

**FINAL**  
**Preliminary Assessment**  
**Mathes Lake**  
**Iowa Army Ammunition Plant**  
Middletown, Des Moines County, Iowa

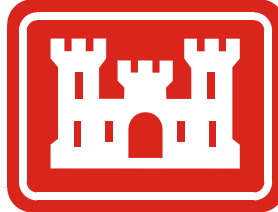
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**Contract W9128F-13-D-0031**

**Delivery Order 0003**

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*Prepared for*



**U.S. Army Corps of Engineers**  
**Omaha District**  
**1616 Capitol Avenue**  
**Omaha, NE 68102-4901**

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## EXECUTIVE SUMMARY

### ES 1 INTRODUCTION

The U.S. Army Corps of Engineers, Omaha District, under Contract W9128F-13-D-0031, Delivery Order 0003, contracted H&S Environmental, Inc. to conduct a Preliminary Assessment (PA) of Mathes Lake at the Iowa Army Ammunition Plant (IAAAP). The PA was conducted under the authority of the Defense Environmental Restoration Program (DERP) [10 United States Code (USC) § 2701 et seq.], and its policies and procedures relating to Installation Restoration Program (IRP) Sites, including Department of Defense (DoD) Manual (DoDM) 4715.20 (DERP Management), and followed U.S. Environmental Protection Agency (USEPA) guidance (EPA/540/G-91/013, Publication 9345.0-01A, dated September 1991). As required by DERP, the DoD Component primarily conducts environmental restoration activities in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

Mathes Lake is located in the western central section of the IAAAP property, which is situated adjacent to Middletown, Iowa, in Des Moines County, Iowa.

IAAAP is a government-owned/contractor-operated facility owned by the U.S. Army, but operated by a private contractor, American Ordinance LLC (AO).

This PA is being performed in response to inquiries from the Restoration Advisory Board to assess the site characteristics based on a review of existing documentation with respect to the potential presence of hazardous, toxic or radiological contaminants in Mathes Lake, and the potential for these contaminants, if present, to migrate to human and ecological receptors within and downgradient of Mathes Lake. Information gathered during this PA will be used to determine if further investigation of Mathes Lake is warranted.

Mathes Lake was established in 1941 for the sole purpose of supporting munition manufacturing activities associated with IAAAP, and was created during the construction of IAAAP. Mathes Lake covers approximately 90 acres (based on current topographical conditions and calculations) with a depth up to approximately 26 feet. Mathes Lake is located in the west central portion of the 19,127-acre IAAAP facility.

From 1941 until 1977, Mathes Lake was the source for drinking water used at the IAAAP. Mathes Lake was formed during the construction of IAAAP by placing an earthen dam across Long Creek. Water was pumped to the former water treatment plant (near the present Main Heating Plant [MHP]), treated, and then pumped into the water distribution system.

IAAAP has approximately 50 Installation Restoration Program (IRP) sites located throughout the facility. Of these 50 IRP sites, only 16 were considered as potential sources of environmentally hazardous, toxic, or radiological contaminants to Mathes Lake based on their location in the Long Creek watershed and topographically upgradient of Mathes Lake.

Since 1977, IAAAP has received drinking water on a fee basis from the town of Burlington, IA. Burlington's water source is the Mississippi River. IAAAP, in turn, supplies drinking water on a fee basis to the town of Middletown (approximately 100 residents) located just outside the northern boundary.

Mathes Lake is currently used for recreational purposes (e.g., recreational fishing and boating); a railroad line traverses the dam at the eastern section, which is a main transportation artery for production at IAAAP.

## **ES 2 SUMMARY AND CONCLUSIONS**

This section summarizes upgradient activities which potentially could have affected environmental conditions within Mathes Lake. Past activities associated with IAAAP operations have resulted in the release of Hazardous, Toxic, and Radioactive Waste (HTRW) and Containerized HTRW (CON/HTRW) into the environment.

### **ES 2.1 HAZARDOUS, TOXIC, AND RADIOACTIVE WASTE**

It is possible contamination could be present at Mathes Lake because of the potential migration of contaminants from upgradient source areas, identified during past sampling events, through surface water and groundwater transport mechanisms. Potential source areas consist of IAAAP production line operations, landfills, testing sites, and storage locations of various types of waste and materials. Non-Department of Defense operations including farming (7,750 acres are leased to local farmers) and livestock grazing (upgradient of Mathes Lake to the north) are also potential sources of contamination. Most potential source areas have been addressed through previous remedial actions and are being monitored through ongoing Long Term Monitoring programs.

Other than the coal observed during the April 2015 site reconnaissance visit in the northeast reaches of Mathes Lake, where the tributary originating near the MHP enters Mathes Lake; no evidence has been located during the completion of this PA indicating that potential upgradient source areas in the Long Creek watershed have resulted in adverse impacts to Mathes Lake. Naturally occurring radioactive material originating from coal or natural sources may also be present in Mathes Lake.

Past environmental investigations have included surface water, sediment, groundwater, and aquatic organism sampling in and around Mathes Lake. No evidence of contamination in Mathes Lake that posed a human health or ecological concern was determined by these events. However, the sampling events were not focused on evaluating Mathes Lake and do not provide a comprehensive summary of conditions at Mathes Lake. In addition, much of the data is old and cannot be verified. Historical sampling records, corresponding to the time when potential upgradient contamination may have been migrating to Mathes Lake from the originating source(s) during past operations, are not available.

Based on a review of data from potential upstream source areas and from Mathes Lake itself, the potential for various types of contaminants within the surface water, groundwater, sediment, and aquatic organisms associated with Mathes Lake cannot be ruled out. If contaminants are present, receptors would be affected as the various receptor pathways appear to be complete.

In order to accurately determine whether Mathes Lake has been adversely impacted by operations at IAAAP, a Site Inspection (SI) is recommended to investigate various media within Mathes Lake. The purpose of the SI is to conclusively determine whether any further action is required at Mathes Lake based on current conditions in the lake as determined by environmental sampling performed during the SI.



**ES 2.2 CONTAINERIZED HAZARDOUS, TOXIC, AND RADIOACTIVE WASTE**

Historical documentation indicates four 10,000-gallon, two 9,000-gallon, two 2,500-gallon, and two 1,000-gallon fuel (i.e., gasoline, kerosene, and diesel) underground storage tanks (USTs) were present on-site in an underground fuel supply system located at the Former Fuel Station (IAAAP-045). Currently all USTs associated with the Former Fuel Station have been removed and past associated leaking UST (LUST) conditions have been remediated. The remediation process was followed by a Corrective Action Report and the State of Iowa has also issued a No Further Action determination for this location.

Based on sampling conducted during 1992 and 2000 throughout the facility, and most importantly within the three Long Creek tributaries, which travel north to south through the northwestern and central sections of the facility (one between Yards F and H, one between Yards H and J, and another west of Plant Road A), no petroleum-related contamination has been noted.

No further information has been located during this PA to indicate USTs, LUSTs, or aboveground storage tanks (ASTs) have impacted Mathes Lake. Furthermore, there are no known USTs, LUSTs, or ASTs within the vicinity of Mathes Lake that have been identified as potentially impacting Mathes Lake.

Therefore, no additional investigation is warranted in regard to CON/HTRW.

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**TABLE OF CONTENTS**

<u>Section</u>	<u>Page Number</u>
<b>1.0 INTRODUCTION .....</b>	<b>1-1</b>
<b>2.0 PROPERTY DESCRIPTION AND LAND USE.....</b>	<b>2-1</b>
<b>2.1 LOCATION.....</b>	<b>2-1</b>
<b>2.2 LAND USE AND OWNERSHIP HISTORY .....</b>	<b>2-1</b>
<b>2.3 PHYSICAL PROPERTY CHARACTERISTICS .....</b>	<b>2-2</b>
<b>2.3.1 Topography .....</b>	<b>2-3</b>
<b>2.3.2 Geology and Soils.....</b>	<b>2-3</b>
<b>2.3.3 Hydrology and Hydrogeology.....</b>	<b>2-5</b>
<b>2.3.4 Climate .....</b>	<b>2-6</b>
<b>2.3.5 Sensitive Species and Environments.....</b>	<b>2-6</b>
<b>2.3.6 Cultural Resources.....</b>	<b>2-8</b>
<b>2.3.7 Demographics .....</b>	<b>2-8</b>
<b>2.4 POTENTIALLY AFFECTED HUMAN POPULATION.....</b>	<b>2-9</b>
<b>2.5 POTENTIALLY AFFECTED SENSITIVE ENVIRONMENTAL     RECEPTORS .....</b>	<b>2-9</b>
<b>3.0 PREVIOUS INVESTIGATIONS .....</b>	<b>3-1</b>
<b>3.1 SUMMARY OF PREVIOUS INVESTIGATIONS AT IAAAP.....</b>	<b>3-1</b>
<b>3.1.1 1981 Contamination Survey .....</b>	<b>3-2</b>
<b>3.1.2 1985 Midwest Site Confirmation Survey.....</b>	<b>3-4</b>
<b>3.1.3 1996 Remedial Investigation and Risk Assessment.....</b>	<b>3-4</b>
<b>3.1.4 2000 Baseline Ecological Risk Assessment .....</b>	<b>3-5</b>
<b>3.1.5 2011 FUSRAP Feasibility Study .....</b>	<b>3-5</b>
<b>3.2 POTENTIAL CONTAMINATION SOURCES .....</b>	<b>3-6</b>
<b>3.2.1 Production Lines.....</b>	<b>3-6</b>
<b>3.2.2 Landfills .....</b>	<b>3-8</b>
<b>3.2.3 Testing Site/Firing Sites .....</b>	<b>3-11</b>
<b>3.2.4 Storage Locations.....</b>	<b>3-12</b>
<b>4.0 HISTORICAL PROPERTY SUMMARY .....</b>	<b>4-1</b>
<b>4.1 AERIAL PHOTOGRAPHIC INTERPRETATION.....</b>	<b>4-1</b>
<b>4.2 RADIUS ENVIRONMENTAL DATABASE SEARCH.....</b>	<b>4-1</b>
<b>5.0 EVALUATION OF PRESENCE OF MILITARY MUNITIONS.....</b>	<b>5-1</b>
<b>6.0 EVALUATION OF POTENTIAL UPGRADIENT HAZARDOUS, TOXIC, AND RADIOACTIVE WASTE SOURCES.....</b>	<b>6-1</b>
<b>6.1 GENERAL EVALUATION OF HAZARDOUS, TOXIC, AND     RADIOACTIVE WASTE PRESENCE .....</b>	<b>6-1</b>
<b>6.1.1 Production Lines .....</b>	<b>6-2</b>
<b>6.1.2 Landfills .....</b>	<b>6-5</b>
<b>6.1.3 Testing Site/Firing Sites .....</b>	<b>6-8</b>

**6.1.4 Storage Locations..... 6-10**

**6.1.5 Non Department of Defense Sources ..... 6-11**

**7.0 EVALUATION OF CONTAINERIZED HTRW PRESENCE AND AREAS..... 7-1**

**7.1 GENERAL EVALUATION OF CONTAINERIZED HTRW PRESENCE ..... 7-1**

**7.1.1 Underground Storage Tanks..... 7-1**

**7.1.2 Aboveground Storage Tanks..... 7-2**

**8.0 PATHWAY AND ENVIRONMENT HAZARD EVALUATION..... 8-1**

**8.1 GROUNDWATER PATHWAY ..... 8-1**

**8.1.1 Hydrogeologic Setting of Groundwater..... 8-1**

**8.1.2 Groundwater Receptors..... 8-2**

**8.1.3 Groundwater Conclusions ..... 8-3**

**8.2 SURFACE WATER PATHWAY..... 8-3**

**8.2.1 Hydrogeologic Setting of Surface Water ..... 8-4**

**8.2.2 Surface Water Receptors ..... 8-4**

**8.2.3 Surface Water Conclusions ..... 8-4**

**8.3 SEDIMENT PATHWAY..... 8-4**

**8.3.1 Sediment Receptors ..... 8-5**

**8.3.2 Sediment Conclusions ..... 8-5**

**8.4 AIR PATHWAY..... 8-5**

**8.5 AQUATIC ORGANISM PATHWAY..... 8-5**

**9.0 SUMMARY AND CONCLUSIONS..... 9-1**

**9.1 HTRW..... 9-1**

**9.2 CON/HTRW ..... 9-1**

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## LIST OF APPENDICES

- Appendix A References
- Appendix B Abbreviations and Acronyms
- Appendix C Glossary
- Appendix D Aerial Photography
- Appendix E Interviews
- Appendix F Property Site Visit Report
- Appendix G Property Site Visit Photographs
- Appendix H Response to Comments (Final Report Only)
- Appendix I Appendix Plates
- Plate 1: Regional Location Map
  - Plate 2: Relevant Site Features Map
  - Plate 3: Land Use Map
  - Plate 4: Well Location Map
  - Plate 5: Population Map
  - Plate 6: Historical Sampling Location Map
  - Plate 7: Surface Water Pathway On-Site Map
  - Plate 8: Surface Water Pathway 15 Miles Downstream Map
  - Plate 9: Photo Log Map
- Appendix J EDR Radius Atlas <sup>TM</sup> (Provided on CD)
- Appendix K Historical Document Figures (Provided on CD)
- Appendix L Water Well Report (Provided on CD)

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### LIST OF FIGURES

Figure 1-1 Mathes Lake ..... 1-1

Figure 2-1 Indiana bat ..... 2-7

Figure 2-2 Welter Recreation Area..... 2-8

### LIST OF TABLES

Table 3-1 Historical Sampling..... 3-3

Table 4-1 Aerial Photographs..... 4-1

Table 7-1 USTs Identified at the Former Fuel Station (IAAAP-045) ..... 7-1

Table 8-1 Wells within a 4-mile radius of Mathes Lake..... 8-2

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## 1.0 INTRODUCTION

The U.S. Army Corps of Engineers (USACE), Omaha District, under Contract W9128F-13-D-0031, Delivery Order 0003, contracted H&S Environmental, Inc. (H&S) to conduct a Preliminary Assessment (PA) of Mathes Lake at the Iowa Army Ammunition Plant (IAAAP). Mathes Lake is located in the west central section of the IAAAP property, which is situated adjacent to Middletown, Iowa, in Des Moines County, Iowa. The PA was conducted under the authority of the Defense Environmental Restoration Program (DERP) [10 United States Code (USC) § 2701 et seq.], and its policies and procedures relating to Installation Restoration Program (IRP) Sites, including Department of Defense (DoD) Manual (DoDM) 4715.20 (DERP Management), and followed U.S. Environmental Protection Agency (USEPA) guidance (EPA/540/G-91/013, Publication 9345.0-01A, dated September 1991). As required by DERP, the DoD Component primarily conducts environmental restoration activities in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

IAAAP is a government-owned/contractor-operated (GOCO) facility owned by the U.S. Army, but operated by a private contractor, American Ordnance LLC (AO).

This PA is being performed in response to inquiries from the Restoration Advisory Board (RAB) to assess the site characteristics based on a review of existing documentation with respect to the potential presence of hazardous, toxic, and radiological contaminants in Mathes Lake, and the potential for these contaminants, if present, to migrate to human and ecological receptors. Information gathered during the PA will be used to determine whether further investigation of Mathes Lake is warranted.

Background information used in the generation of this report was obtained through a review of documents pertaining to IAAAP obtained from the IAAAP Administrative Record file and the USACE, St. Louis District Formerly Utilized Sites Remedial Action Program (FUSRAP) website. In addition, information pertaining to Mathes Lake was also obtained through site visits conducted in October 2014 and April 2015 (see Appendix F), attendance of the October 2014 and April 2015 RAB meetings, correspondence with various RAB members (see Appendix E) and IAAAP representatives, and a review of the Burlington Public Library records pertaining to IAAAP.



**Figure 1-1 Mathes Lake**

A radius search from the center of Mathes Lake, extending approximately 4 miles from the perimeter of Mathes Lake, of readily available environmental records (both Federal and State environmental databases) was conducted to identify public records pertaining to environmentally significant operations or contaminant releases in the vicinity of Mathes Lake or at nearby properties. This search was conducted by Environmental Data Resources, Inc. (EDR) and is detailed in Section 4.2 and presented in Appendix J.

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## 2.0 PROPERTY DESCRIPTION AND LAND USE

### 2.1 LOCATION

Mathes Lake is located entirely on the IAAAP property, in Des Moines County, Iowa, adjacent to the town of Middletown, Iowa at Latitude 40°46'57" North; Longitude 91°15'26" West. Mathes Lake is situated in the Long Creek watershed and was formed by damming Long Creek as part of the construction of IAAAP in 1941. Route 394 (also known as Plant Road J) runs along the western side of Mathes Lake, intersecting with Skunk River Road to the south in Augusta, and Highway 34 to the north in Middletown. The southern and eastern boundaries of Mathes Lake consist of railroad lines used by IAAAP for supplies and the northern boundary consists of woodlands and agriculture.

The site boundary and the location of the site within the State of Iowa, Des Moines County is found on Plate 1, Appendix I.

### 2.2 LAND USE AND OWNERSHIP HISTORY

Mathes Lake was established in 1941 during the construction of IAAAP and covers approximately 90 acres (based on current topographical conditions and calculations), with a depth up to approximately 26 feet (ft). Mathes Lake is located in the west central portion of the 19,127-acre IAAAP facility. IAAAP is located in the southeastern part of Iowa, adjacent to the town of Middletown, Des Moines County, Iowa approximately 4 miles west of the Mississippi River. IAAAP is a GOCO facility owned by the U.S. Army and operated by AO.

The principal mission of IAAAP is load, assemble, and pack (LAP) operations for a variety of conventional ammunition and fuzing systems. IAAAP was constructed in November 1940, as the Iowa Ordnance Plant and started production in 1941. Production was stopped in 1945, when World War II (WWII) ended. The plant resumed its ammunition manufacturing mission in 1949, prior to the Korean War. In 1950, in response to the Korean conflict, production increased dramatically. From 1947 through mid-1975, the former Atomic Energy Commission (AEC) occupied facilities on the site, which then reverted to Army control in 1975 (JAYCOR, 1996).

From 1941 until 1977, IAAAP used Mathes Lake as a drinking water source. Mathes Lake was formed by placing an earthen dam across Long Creek. Water was pumped to the former water treatment plant [near the present Main Heating Plant (MHP)], treated, and then pumped into the water distribution system. A 19.9 million gallon capacity, unlined, emergency water reservoir is located just northwest of the MHP. The water level in this reservoir was maintained using water from Mathes Lake as a backup water supply system for the installation. The well located at Yard J, according to interview dated 15 July 2015 and outlined in Appendix E, was the primary source of water for Mathes Lake during times of drought. Water traveled through an underground pipe to Mathes Lake [U.S. Army Toxic and Hazardous Material Agency (USATHAMA), 1980].

The water distribution loop is centered around the production areas with feeder lines (2 to 12 inches in diameter) branching to the Administration and Explosive Disposal Areas and through the Inert Disposal Area (IAAAP-020) to Line 3A (IAAAP-004). Nine elevated water storage tanks, each with a 10,000 gallon capacity, are incorporated into the distribution system. Since 1977, IAAAP has received drinking water on a fee basis from the town of Burlington. Burlington's water source is the Mississippi River. IAAAP, in turn, supplies drinking water on a fee basis to the town of Middletown (approximately 100 residents) located just outside the northern boundary (USATHAMA, 1980).

Mathes Lake is currently used for recreational purposes (e.g., recreational fishing and boating); however, a railroad line traverses the dam at the eastern section and is a main transportation artery for production at IAAAP.

### 2.3 PHYSICAL PROPERTY CHARACTERISTICS

Mathes Lake lies within the Long Creek watershed. Long Creek is the largest watershed at IAAAP, draining broad areas from the northwest to the south-central border. Because this PA focusses on Mathes Lake, both the lake itself and potential contaminant source areas upgradient of Mathes Lake within the Long Creek watershed were considered during this evaluation. Potential source areas within the Long Creek watershed, which consist of Installation Restoration Program (IRP) sites, were considered during this PA and are listed below:

<u>Potential Source</u>	<u>IAAAP Number</u>
• Line 3A	(IAAAP-004)
• Line 4B	(IAAAP-005)
• Line 5B	(IAAAP-006)
• Line 8	(IAAAP-009)
• Line 9	(IAAAP-010)
• Pesticide Pit	(IAAAP-017)
• Contaminated Clothing Laundry (CCL)	(IAAAP-019)
• Inert Disposal Area (IDA)	(IAAAP-020)
• Unidentified Substance Waste Pile	(IAAAP-022)
• Fly Ash Landfill	(IAAAP-027)
• Construction Debris Landfill (CDL)	(IAAAP-028)
• Fly Ash Disposal Area	(IAAAP-043)
• Firing Site Area (FSA)	(IAAAP-030)
• Building 600-86 Septic System	(IAAAP-038)
• Former Fuel Station	(IAAAP-045)
• Main Heating Plant	No IAAAP Number

Potential source locations are presented in Plate 2, Appendix I. Mathes Lake is located in the west central portion of the IAAAP property, and topographically downgradient from these facilities as described in the following sections.

Other source areas outside of the Long Creek watershed which are not anticipated to have a potential impact on Mathes Lake and therefore were not evaluated are listed below:

<u>Other Source</u>	<u>IAAAP Number</u>
• Line 800	(IAAAP-011)
• East Burn Pads	(IAAAP-012)
• Incendiary Disposal Area	(IAAAP-013)
• Old Fly Ash Waste Pile	(IAAAP-015)
• Line 1 Former Wastewater Impound	(IAAAP-016)
• Possible Demolition Site	(IAAAP-018)
• Demolition Area	(IAAAP-021)
• Contaminated Waste Processor (CWP)	(IAAAP-024)
• Explosive Waste Incinerator (EWI)	(IAAAP-025)

- Sewage Treatment Plant (STP) (IAAAP-026)
- West Burn Pads (IAAAP-034)
- North Burn Pads (IAAAP-036)
- North Burn Pads Landfill (IAAAP-037)
- Fire Training Area (IAAAP-039)
- Pink Water Lagoon (IAAAP-044)

The following sections describe the physical property characteristics of IAAAP which encompasses Mathes Lake. Plate 3, Appendix I presents the various land uses in the vicinity of IAAAP.

### 2.3.1 Topography

IAAAP is located in the Southern Iowa Drift Plain. The highest elevation in the county, 862 ft above mean sea level (msl), is located about thirteen miles north of IAAAP, near the town of Yarmouth, Iowa. The lowest elevation, about 520 ft above msl, is located where the Skunk River enters the Mississippi River at the southeastern boundary of the county. Vertical reliefs between lowlands and adjoining uplands generally range from 50 to 120 ft. Elevations at IAAAP range from 732 ft above msl along the northern extent of the installation, to about 544 ft above msl throughout the extensive southern area of Long Creek and Skunk River [Gene Stout & Associates and Blythe & Trousil, Inc. (GSA & BT), 2007].

### 2.3.2 Geology and Soils

#### 2.3.2.1 Geology

IAAAP is located in the Dissected Till Plain section of the Central Lowland Physiographic Province of the Southern Iowa Drift Plain Landform Region. The facility is underlain by a sequence of unconsolidated glacial deposits of Pleistocene age overlying sedimentary bedrock units.

Approximately one million years ago, the first of the Pleistocene glaciers began to form in Iowa. The third glacial epoch, the Illinoian, pushed west from the Labradiorean Center and entered Iowa only in the southeastern part of the state. During that time, the ice pushed the Mississippi River westward, and for a time the river flowed around the western edge of the lobe of ice. When the ice retreated, the river returned to its former channel. In the area of the Illinoian ice sheet, the glacial drift averages 30 ft in thickness (GSA & BT, 2007).

During interglacial periods, loess was deposited over the glacial drift. Loess is windblown material composed principally of silt with small amounts of sand and clay and is the basis for the development of fertile soil. It is found in many places throughout the state, including the installation (GSA & BT, 2007).

The glacial drift underlying the loess consist primarily of silty clay and clayey silt with thin sand seams and lenses and are assigned to the Kellersville Till Member (Illinoian Age) of the Glasford Formation of southeastern Iowa. The glacial drift extends to depths in excess of 100 ft below ground surface (bgs) in portions of the northern half of IAAAP, but is thin or absent locally in deeper stream valleys in the south around Mathes Lake and in the northeast. In general the drift is thicker in the upper reaches, especially in the Brush Creek watershed, and thins to the middle

reaches. The drift remains relatively constant in thickness in the Long and Spring Creek watersheds.

The bedrock underlying IAAAP consists of a sequence of limestones interbedded with varying thicknesses of shales and sandstones ranging in age from Cambrian to Mississippian. The uppermost rock units within the area are the Warsaw Shale, the Keokuk Limestone, and the Burlington Limestone, respectively. There are two basic formations of importance at the facility, which are the uppermost rock units within the area, the Keokuk Limestone and Burlington Limestone of the Osage Series (Mississippian).

The Keokuk Limestone is a light gray, cherty limestone formation, which is approximately 70 ft thick in the IAAAP area [Tetra Tech, Inc. (Tetra Tech), 2011a].

The Burlington Limestone is estimated to be 70 ft thick within the facility. It is exposed at multiple locations within the stream valleys at IAAAP. The Burlington Limestone is a very pale orange to gray, crystalline limestone, which contains fossiliferous chert beds embedded with dolomite. There are also two major glauconitic layers within the formation, which delineate it from the overlying Keokuk Limestone. The Burlington Limestone is a major escarpment formation along the Mississippi River near Burlington, Iowa, and is much more resistant to erosion than the overlying Keokuk Limestone.

The land of southern Iowa has been subjected to erosion by water longer than the land in northern Iowa. Rivers have deepened their channels; intervening lands, frequently more than 200 ft higher in elevation than the floodplains, are well drained. Southern Iowa is described as a maturely dissected plain (GSA & BT, 2007).

According to the U.S. Seismic Risk Map, the Burlington area of Iowa is located in the lowest hazard area (4 to 8 out of 0 to 64+) within the nation, and is considered an area relatively free of earthquakes [U.S. Geological Survey (USGS), 2015].

#### 2.3.2.2 Soils

Des Moines County soils are loess-covered glacial drift that formed under prairie and forest vegetation. Native tall-grass prairie once occurred on the nearly level and gently sloping soils in uplands. These soils developed in loess. Steeper areas formed in glacial drift and had native vegetation of trees. Trees also occurred along the alluvial bottomland associated with the Mississippi and Skunk Rivers (GSA & BT, 2007).

Twenty-seven soil series are mapped as occurring on the installation by the Natural Resources Conservation Service (NRCS). However, many series are only present in small areas on IAAAP (GSA & BT, 2007).

With exception of developing soils associated with rivers and drainages, soils on IAAAP belong to either the Mollisols or Alfisols soil orders. Mollisols are relatively fertile soils and are characterized by a soft surface character, a high base saturation (generally indicative of fertile soil), and a dark color due to abundant humus. Alfisols are also relatively fertile soils with moderate to high base saturation. Agriculture plays a major role in Des Moines County with almost 56 percent (%) of the county designated as prime farmland (GSA & BT, 2007).

IAAAP encompasses multiple areas designated as prime farmland. Prime farmland, as defined by the U.S. Department of Agriculture (USDA), is land that is best suited to producing food, feed, forage, fiber, and oilseed crops. It is of major importance in providing the nation's short-

and long-range needs for food and fiber. Almost 75% of the soil series represented on the installation meet criteria for prime farmland (GSA & BT, 2007).

In general, IAAAP soils are not considered highly erodible. Most soils have an erosion T factor of 5 (5 tons per acre per year). An erosion factor, T, as defined by the USDA, is an estimate of the maximum average annual rate of soil erosion by wind or water that can occur without affecting crop productivity over a sustained period (GSA & BT, 2007).

High sedimentation rates can result in the loss of ponds that support fisheries and also a gradual decline in capacity of larger lakes. Based on a review of historical aerial photographs (Appendix D) Mathes Lake has lost approximately 18.5 of its original 105 acres due to sedimentation. Because Mathes Lake has a railroad trestle across the dam works, the dam cannot be easily removed and/or replaced. Therefore, a 4-ft concrete wall was constructed in front of the spillway to deepen the lake (GSA & BT, 2007). The exact date the spillway wall was constructed could not be determined.

### 2.3.3 Hydrology and Hydrogeology

Des Moines County has four principal aquifers: the surficial soils aquifer and the bedrock aquifers of Mississippian, Devonian, and Cambro-Ordovician units. The shallow surficial soil aquifer at IAAAP occupies the glacial drift of the upland plain and the drift and alluvium in the majority of the drainages; it does not typically occupy the loess. The shallow surficial soil aquifer is predominantly clay-rich glacial drift that exhibits low hydraulic conductivity and yields only small quantities of groundwater to wells (Tetra Tech, 2011a).

According to the Remedial Investigation (RI) (JAYCOR, 1996), the vertical permeability in most surficial soil tends to be low but greater than its horizontal permeability, with an average permeability of  $7.3 \times 10^{-6}$  centimeters per second, primarily in the vertical direction. Monitoring well locations throughout IAAAP are presented on Plate 4, in Appendix I. Well logs of existing monitoring wells within the uplands of the IAAAP indicate that the surficial soil is present to depths of 26 ft bgs, and are presented in Appendix L. The thickness of surficial soil deposits within IAAAP varies across the facility, ranging from 0 to 26 ft (Tetra Tech, 2011a).

Shallow groundwater flow typically mimics surface topography. Observations (e.g., boring logs, slug test data, and purge data) from other sites indicate that flow in the glacial drift is highly retarded due to the high clay content and is predominantly horizontal. Hydraulic conductivities in the glacial drift are highly variable across the facility, and are dependent largely on the occurrence (or lack) of more permeable zones, which are not known to be continuous over large areas.

Minimal information on hydrogeologic conditions in the bedrock aquifers underlying the surficial soil is available. Facility-wide groundwater levels suggest that overall flow direction in the bedrock is to the south and east toward the Skunk and Mississippi Rivers, when not intercepted by incised surface drainages (Tetra Tech, 2011a).

Water in the Devonian and Cambro-Ordovician aquifers is reported to be highly mineralized and objectionably hard and contain high amounts of total dissolved solids. Water temperatures are reported to be higher [averaging 72 degrees Fahrenheit (°F)] than other rock aquifer sources (typically ranging from 55 to 60°F) (Tetra Tech, 2011a).

### 2.3.4 Climate

Des Moines County has a typical Midwestern climate of hot/humid summers and cold/wet winters. According to the National Weather Service (NWS), between 1971 and 2000, the average annual temperature in this area was 52°F with monthly average temperatures ranging from 15°F (January) to 85°F (July) (Tetra Tech, 2011a).

The average annual precipitation in this area is 37.9 inches, with annual totals ranging from 23.6 inches in 1988 to 49.9 inches in 1993. During the winter, precipitation frequently occurs as snow, and during the rest of the year it is mainly rain, often heavy. Approximately 25% of precipitation occurs as snow in the winter months, amounting to approximately 8.5 inches of precipitation. The highest rainfall amounts tend to occur between May and July (Tetra Tech, 2011a).

Snow-melt during spring, combined with frozen or saturated soil conditions that reduce infiltration, can result in high runoff and substantial erosion. In addition, severe thunderstorms in summer can also result in a high volume of precipitation over a short period of time and also create high runoff volumes (Tetra Tech, 2011a).

The facility is located in a moderate tornado frequency area, as determined by the NWS. According to the Storm Prediction Center (SPC) National Severe Weather Database Browser, there have been two F1 category tornados recorded in nearby Des Moines County, Iowa, over a 10-year period. The prevailing wind is from the south [National Oceanic and Atmospheric Administration (NOAA) SPC, 2015].

### 2.3.5 Sensitive Species and Environments

#### 2.3.5.1 Sensitive Species

Wildlife found at IAAAP site includes a large white-tail deer population, fox, gray squirrel, raccoon, woodchuck, coyote, eastern cottontail rabbit, mice, mole, pocket gopher, beaver, muskrat, badger, opossum, and mink. In an attempt to effectively manage the overpopulation of deer, limited recreational hunting has been allowed on the site. Recreational trapping of fur-bearing mammals is also allowed during limited times of the year (JAYCOR, 1996).

Numerous bird species inhabit or migrate through the IAAAP site. Some of the most common species include the American robin, northern cardinal, blue jay, red-headed woodpecker, common crow, common grackle, mourning dove, red-winged blackbird, chipping sparrow, eastern meadowlark, American goldfinch, and turkey. Red-tailed hawks are the most common raptor species present, but bald eagles have been observed flying over the IAAAP or feeding on the fish they catch in Mathes Lake (JAYCOR, 1996).

The Johnny and fantail darters were the only fish detected in Long Creek at the southern edge of the plant boundary between 16 and 25 July 1997 and reported within the 2004 Baseline Ecological Risk Assessment (BERA) [MWH Americas, Inc. (MWH), 2004]. During this study, no species were located in the northern boundary of Long Creek to the plant. The lack of fish in the northern area was attributed to the agriculturally-impacted, silty areas of Long Creek (MWH, 2004).

The U.S. Fish and Wildlife Service (USFWS) provided maintenance stocking of walleye and striped bass hybrids in Mathes Lake to predate on the abundant gizzard shad (*Dorosoma cepedianum*). Channel catfish are generally stocked in new impoundments or to supplement



natural reproduction. Some natural channel catfish reproduction has been noted in Mathes Lake (GSA & BT, 2007).

Because of its close proximity to the Mississippi River flyway, a large variety of migrating bird species may also use the IAAAP environs. Water fowl commonly seen include mallard, blue-winged teal, goldeneye, bufflehead, wood duck, hooded merganser, green-winged teal, northern shoveler, and Canadian goose. Nest boxes have been set up on the site for wood ducks, which are common near the on-site ponds and lakes (JAYCOR, 1996).

A single Federally-listed threatened or endangered species has been recorded on the IAAAP property, the Indiana bat (*Myotis sodalis*) shown on Figure 2-1.

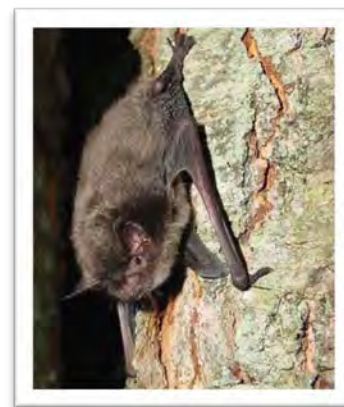
The Indiana bat has been recorded to feed on the property and may have maternal roosts in the floodplain forests. Other State-listed endangered, threatened, and special concern species observed at the IAAAP are presented in the *FUSRAP RI Report* (USACE, 2011).

#### 2.3.5.2 Sensitive Environments

Wetland functions and values include groundwater recharge, groundwater discharge, flood flow alteration, sediment stabilization, sediment or toxicant retention, nutrient removal or transformation, production export, wildlife diversity/abundance, aquatic diversity/abundance, uniqueness/ heritage, and recreation. Protection of Wetlands (1977) and the Clean Water Act (1977) require no net wetland losses on Federal lands in the United States (GSA & BT, 2007).

In 1992, the Soil Conservation Service (currently known as the NRCS) conducted a preliminary wetlands investigation on IAAAP by aerial survey. The findings of the preliminary fly-over indicated the potential of 600 acres of wooded wetlands. In general, these are within floodplains of Long, Brush, and Spring Creeks (palustrine wetlands) and/or are associated with impoundments (lacustrine wetlands). Findings were delineated on aerial photographs, but wetlands were not classified. Non-wooded wetlands are typically dominated by tall perennial grasses, such as bur-reed (*Sparganium eurycarpum*), reed canary grass (*Phalaris arundinacea*), arrowroot (*Sagittaria sp.*), water plantain (*Alisma triviale*), smartweed (*Polygonum sp.*), and a variety of sedges (GSA & BT, 2007).

In 1999, a National Wetlands Inventory was conducted on the installation by the USFWS. Based on the inventory, IAAAP contains 113.2 acres of wetland. Forested wetlands are the dominant type, representing about 50% of the installation's wetlands. The next most common type is unconsolidated bottoms ("ponds"), which comprise about 24% of the wetlands. IAAAP contains 57.3 miles of linear wetlands including rivers and streams (3.1 miles of wetlands and 54.2 miles of rivers and streams respectively). Wetland acreages are as follows: Emergent Wetland – 14.7 acres, Scrub/Shrub Wetland (Broad-leaved Deciduous) – 10.8 acres, Forested Wetland – 60.2 acres (Temporarily Flooded – 56.5 acres and Seasonally Flooded – 3.7 acres), and Unconsolidated Bottom – 27.5 acres (GSA & BT, 2007).



**Figure 2-1 Indiana bat**

### 2.3.6 Cultural Resources

Recreational facilities are located on the IAAAP property and in the area immediately surrounding the IAAAP. Along the inner shoreline in the central part of Mathes Lake, a former small Boy Scouts of America campsite was present. Based on the reconnaissance visit conducted by H&S in April 2015, the Boy Scout Camp was no longer in use. There is also a boat ramp on the eastern shore of the lake that is used mainly by fishermen [The Earth Technology Corporation (ETC), 1993]. Construction was being performed at the boat launch presumably to improve this facility during

the April 2015 reconnaissance visit. Fishing on Mathes Lake is managed by IAAAP and requires obtaining access to the facility. Currently there are no restrictions on consumption of fish caught from Mathes Lake.

Two cemeteries are located on IAAAP property: Spring Creek Cemetery is located on the east side of the facility, between Yard C and Spring Creek south of Plant Road P; and Shilo Cemetery is located on the southeastern section the facility, south of Yard D and Plant Road K.

South of the IAAAP the Skunk River flows from west to east. It has two boat launch access areas and one small park located on its banks, most of which are located in the town of Augusta. The Upper Augusta Access Area is located southwest of the IAAAP, and the Lower Augusta Access Area is located south of the IAAAP. Welter Recreation Area (Figure 2-2) is located to the west of Lower Augusta Access Area. The Skunk River is utilized for recreational boating, skiing, swimming, and fishing (ETC, 1993).

Within a 4-mile radius of the Mathes Lake perimeter, there are five churches (Long Creek Church, west; Jehovah's Witness Woodland Congregation, east; First Presbyterian Church, north; Oak Grove Church, southeast; and Congregational United Church, southwest) and two schools (Southeastern Community College, northeast; and Buena Vista School, east).

Geode State Park is located approximately three miles west of the IAAAP, in Henry County. The park is named for the geode, which attracts people in search of the hollow rock partially filled by inward projecting crystals. Lake Geode, located within the park area, is popular for fishing, boating, and swimming (ETC, 1993).

### 2.3.7 Demographics

The regional demographics information for Des Moines County was obtained from the 2010 U.S. Census Bureau data website (U.S. Census Bureau, 2015). Mathes Lake is located in the center of IAAAP, which is south of the town Middletown, Iowa. The numbers reported below are reported as noted on the census bureau website for 2010. Actual 2010 numbers were used, not estimated values. The percentages are greater than 100% and may be due to category overlap and/or rounding.

The population density of Des Moines County is 96.9 people per square mile. The population consists of 88.5% White (not Hispanic or Latino), 5.7% Black or African American, 0.3%



Welter Recreation Area. Des Moines County website. 30 November 2010.

**Figure 2-2 Welter Recreation Area**



American Indian or Alaskan, 0.8% Asian, 0.1% Native Hawaiian and Other Pacific Islander, 2.9% Hispanic or Latino, and 2.3% of two or more races.

According to the U.S. Census of 2010, there were 40,325 people that reside in Des Moines County, Iowa. The median age was 41.5 years. The median income in 2013 dollars, for a household, was \$42,451. The per capita income was \$24,408. About 12.3% of the population was below the poverty line, including 18.9% of those under age 18 and 8.2% of those age 65 or over. Plate 5, Appendix I, shows the population density within and along the borders of IAAAP.

## 2.4 POTENTIALLY AFFECTED HUMAN POPULATION

Human population groups may be exposed to potential contaminants from Mathes Lake; therefore, migration pathways are complete under current and future land use scenarios. The current and future land use of Mathes Lake is, and remains to be, recreational purposes (e.g., fishing and boating). The IAAAP serves as a military installation and leases sections of the property for agricultural purposes as well. The current land use surrounding Mathes Lake is mixed in nature and includes unimproved natural lands used for recreation and preservation, agricultural uses, as well as industrial use for ammunition production. Land uses along Long Creek south of the IAAAP boundary before the confluence with Skunk River include residential, agricultural, and recreational use. It is expected that these activities will continue into the future.

Mathes Lake is no longer used as a drinking water source. Residential wells have been identified approximately 2 miles downgradient from Mathes Lake in a south-southwest direction, (Plate 4, Appendix I) although well records may be incomplete, and well data was not validated for accuracy.

Fishing in Mathes Lake is currently permitted. However, access to the lake is restricted by IAAAP. A potential exposure pathway may exist through the consumption of fish or other aquatic organisms from Mathes Lake. Indirect contact with potential contaminants in soil, sediment, and surface water associated with Mathes Lake could occur during recreational activities on or near the lake.

## 2.5 POTENTIALLY AFFECTED SENSITIVE ENVIRONMENTAL RECEPTORS

The streams and lakes at IAAAP provide habitat for a wide variety of aquatic receptors, including fish, benthic invertebrates, and amphibians. Wildlife and avian species use the streams and lakes as a source of water and food (MWH, 2004).

According to the 2004 BERA and the 2008 *Explanation of Significant Differences (ESD) for the Interim Action Record of Decision (IROD) Soils Operable Unit (OU-1)* prepared by Tetra Tech, the Indiana bat (*Myotis sodalists*) has been considered the ecological receptor of concern. The Indiana bat has been observed at IAAAP and is listed as a Federal threatened and endangered species. The Indiana bat does forage at ground level for drinking purposes, but does not roost at ground level; therefore, direct contact to potential surface water contaminants can occur. Their diet does consist of a variety of flying insects found along rivers or lakes, which would be present at Mathes Lake; therefore, indirect contact with soil contaminants does potentially exist.

The bald eagle (*Haliaeetus leucocephalus*), no longer listed as a Federally endangered species, has been observed feeding from Mathes Lake as reported in the 2004 BERA. Based on past sightings, the bald eagle could continue to forage from Mathes Lake.

The BERA also presents State-listed endangered, threatened, and special concern species observed at the IAAAP, which are presented below.

**Plants – Threatened**

- Virginia snakeroot (*Aristolochia serpentaria*)
- Downy wood-mint (*Blephilia ciliate*)
- Blue ash (*Fraxinus quadrangulata*)
- Sharpwing monkeyflower (*Mimulus alatus*)
- Slender ladies tresses (*Spiranthes lacera*)
- False hellebore (*Veratrum woodi*)

**Plants – Special Concern**

- Ragged fringed orchid (*Platanthera lacera*)

**Animals – Threatened**

- Orangethroat darter (*Etheostoma spectabile*)

The orangethroat darter (*Etheostoma spectabile*) is common in Spring and Brush Creeks and is considered a threatened species in Iowa (MWH, 2004).

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### 3.0 PREVIOUS INVESTIGATIONS

IAAAP is undergoing environmental restoration following a Federal Facilities Agreement (FFA). Previous investigations have focused contaminants associated with IAAAP operations at various locations in and around IAAAP.

This PA focusses on Mathes Lake itself and includes an evaluation of potential contaminant source areas upgradient of Mathes Lake in the Long Creek watershed that could impact Mathes Lake. All IAAAP operations and potential source areas to the south of the Mathes Lake dam or along reaches of the Long Creek watershed which discharge into Long Creek south of the Mathes Lake dam, within Skunk River watershed, Brush Creek watershed, or within the Spring Creek watershed have been excluded from consideration under this PA because they are not anticipated to have any potential impact on Mathes Lake.

The following sections discuss previous investigations that were reviewed and considered relevant during the preparation of this PA. The findings of these investigations were used to assess whether operations of IAAAP have potentially impacted Mathes Lake. Findings within these documents are presented herein as they were presented within the original reports. H&S cannot independently verify the accuracy of the data or conclusions provided in these documents. Data and conclusions contained in these reports are in many cases dated and are provided for reference.

#### 3.1 SUMMARY OF PREVIOUS INVESTIGATIONS AT IAAAP

Environmental sampling in and around Mathes Lake has been reported to have started around 1981, during a Contamination Survey conducted by Environmental Research Group, Inc. (ERG). This survey was conducted pursuant to a request made by USATHAMA that requested recommendations for actions relative to the findings in the Brush Creek and Pink Water Lagoon (IAAAP-044) areas within IAAAP boundaries. Through this study, environmental samples were obtained from within Mathes Lake and are as discussed further in Section 3.1.1.

In 1985, a Midwest Site Confirmation Survey was conducted by Dames & Moore and presented within a sampling report for IAAAP. According to the document, during the completion of the multi-phased surveys at IAAAP, water quality data was collected and a water quality database was generated. However, it was determined by USATHAMA that the need existed to expand this database by obtaining updated water quality information. Four of the sampling locations from the 1981 study were resampled, and an additional four locations were sampled upgradient and downgradient of Mathes Lake. The results of this sampling event are further discussed in Section 3.1.2.

In 1992, JAYCOR conducted a basewide Site Characterization Report (SCR) for each IAAAP site from Site Inspection (SI) data and Phase I RI data (JAYCOR, 1996). This 1992 study included 26 new environmental samples in and around Mathes Lake and provided a more detailed insight to the conditions upgradient and downgradient of Mathes Lake. Results of this study were addressed within the 1996 RI and are further discussed in Section 3.1.3.

In 1996, JAYCOR also presented the findings of SCR within an eleven volume Revised Draft Final RI Report. This report presented and interpreted the analytical data and other information collected at IAAAP from the 1992 SCR, as well as additional data collected during 1996. The findings are further discussed in Section 3.1.3.

In 2000, MWH conducted a BERA to assess the potential risks associated to ecological receptors due to the operations conducted at IAAAP. The BERA provided an additional five environmental samples in and around Mathes Lake, and the findings are further discussed in Section 3.1.4.

In 2011, Science Applications International Corporation (SAIC) presented findings to USACE, St. Louis District within a Final FUSRAP Feasibility Study (FS) Report for IAAAP, and detailed the findings for environmental samples taken in 2007 within Long Creek as it traverses the FSA (IAAAP-030). Five samples from Long Creek were analyzed for both radiological and metals constituents, but because surface water was outside the FUSRAP RI/FS work scope no quantitative risk evaluation was conducted. Findings from the FUSRAP FS are further discussed in Section 3.1.5.

Based on information obtained by H&S during the October 2014 site visit, it appears that [Shaw Environmental and Infrastructures (Shaw)] conducted environmental sampling along the northwest perimeter of Mathes Lake, near the dam. The final report by Shaw for this sampling event could not be located; therefore, these results are not discussed in this PA.

Plate 6, Appendix I shows the locations and identification (ID) numbers of the previous sampling events, which are listed on Table 3-1. Appendix K presents the original figures depicting the sampling locations.

### **3.1.1 1981 Contamination Survey**

ERG conducted a preliminary Contamination Survey between February and October 1981 to identify areas of concern at IAAAP during a baseline study. Sampling locations throughout the facility were selected for investigation by USATHAMA. The sampling locations within the Long Creek watershed consisted of ten groundwater, four soil, eight sediment, and eight surface water samples. Of these samples, four surface water samples were collected within Mathes Lake. All other samples were collected outside of Mathes Lake and within Long Creek or its tributaries. All samples (groundwater, surface water, sediment, and soil) during this event were analyzed for explosives, anions, metals, priority pollutants organic chemicals, pesticides, and polychlorinated biphenyls (PCBs).

No samples were found to contain concentrations of contaminants which exceeded U.S. Environmental Protection Agency (USEPA) or U.S. Army Medical Bioengineering Research and Development Laboratory criteria for human health or aquatic life. However, lead was detected in concentrations that were above the average concentrations detected in the soils from sample locations S-1 and S-6. Sample location S-1 is located south of the IDA (IAAAP-020) within the Long Creek watershed and sample location S-6 is located south of Plant Road K and the Possible Demolition Site (IAAAP-018) within the Long Creek watershed.

ERG concluded that lead from these surface soil locations does not appear to be migrating to surface waters as analysis of water downstream from this area resulted in non-detectable lead levels. Also, sediments, which generally contain higher lead concentrations than the corresponding surface water, indicate low levels of lead at locations downstream from sample locations S-1 and S-6. ERG concluded that these sediment lead levels can reasonably be attributed to background concentrations as sediment lead levels at upgradient sampling location W-1 (located east of the U.S. Army Reserve Center and within the Long Creek tributary at the

northern border) and W-2 (located in Long Creek at the western edge of the facility) were greater than sample locations S-1 and S-6.

**Table 3-1 Historical Sampling**

Year of Study / Source	1981 ERG	1985 D&M	1996 JAYCOR	2000 MWH	2011 SAIC
Media sampled	SW & SD	SW, SD, & GW	SW & SD	SW & SD	Soil
Upgradient of Mathes Lake	Not collected	W-3 G-8	RBW-SD-62-01 RBW-SW-62-01**	LC4 LCT4 LCT6 LC7	IAAP100153 IAAP100154 IAAP100155 IAAP100180 IAAP100187
Mathes Lake	W-4 W-5 W-6 W-7	W-4 W-5 W-6 W-7	RBW-SD-64-01 RBW-SD-65-00 RBW-SD-70-01 RBW-SD-74-01 RBW-SD-75-01 RBW-SD-76-01 RBW-SD-77-00 RBW-SW-63-00 RBW-SW-64-01** RBW-SW-65-00 RBW-SW-70-01* RBW-SW-74-01 RBW-SW-75-01 RBW-SW-76-01** RBW-SW-77-00	Not collected	Not collected
Downgradient of Mathes Lake	Not collected	W-8 G-21	RBW-SW-78-00 RBW-SW-78-01	LC5	Not collected

**Notes:** Samples with one asterisk (\*) represent one duplicate with ID -02; and samples with two asterisks represents two duplicates with IDs -02 and -03

D&M = Dames & Moore

ERG = Environmental Research Group, Inc.

GW = groundwater

MWH = MWH Americas, Inc.

SAIC = Science Applications International Corporation, Inc.

SD = sediment

SW = surface water

The only other contaminant identified in the Long Creek watershed during this investigation was 2,4-dinitrotoluene (DNT). However, the surface water result at sampling location W-8 (located downgradient of Mathes Lake and north of the southern edge of the facility within Long Creek) was well below criteria level for aquatic life (ERG, 1982).

ERG concluded that the Mathes Lake sediments and overlying water in Mathes Lake did not show any appreciable levels of contaminants as sediment and surface water sample results did not exceed criteria levels (ERG, 1982). These Mathes Lake sediment and water sample IDs are W-4, W-5, W-6, and W-7, see Plate 6, Appendix I and Table 3-1. Appendix K presents the original figures depicting the sampling locations.

Based on this investigation ERG concluded that no contamination was migrating out of the IAAAP facility within the Long Creek watershed (ERG, 1982).

### **3.1.2 1985 Midwest Site Confirmation Survey**

During the October 1985 Midwest Site Confirmation Survey Sampling conducted by Dames & Moore, samples were obtained from upgradient and downgradient locations of Mathes Lake, as well as within Mathes Lake. The upgradient samples are denoted as G-8 and W-3, Mathes Lake samples are denoted as W-4 through W-7, and the downgradient samples are denoted as G-21 and W-8. The Mathes Lake samples reoccupied the same locations as those obtained by ERG in 1982. All samples were analyzed for nitroaromatics, purgeable halocarbons, and metals. The locations of these samples are shown on Plate 6, Appendix I. Appendix K presents the original figures depicting the sampling locations.

The Dames and Moore report did not discuss the outcome of all samples obtained during the survey, but rather only discussed exceedances found during the survey. In general, the constituents analyzed for were not detected, with the exception of three metals (chromium, copper, and selenium). The samples with detections included W-4 (copper) and W-6 (chromium), from Mathes Lake and downgradient samples W-8 (selenium) and G-21 (copper). Dames and Moore concluded that chromium was the only constituent slightly exceeding the screening level at sample location W-6, which is located at the influent of Long Creek tributary, north of the dam.

### **3.1.3 1996 Remedial Investigation and Risk Assessment**

The May 1996 Revised Draft Final RI and Risk Assessment (hereinafter referred to as the RI) presents results from the Phase I & Phase II RIs and follow-on RI sampling events. Sampling was conducted by JAYCOR between July 1992 and June 1995 at 41 of the 43 IAAAP IRP sites listed in the Interagency Agreement (IAG). This effort was focused on filling all data gaps indicated from the Phase I SI field work conducted in 1992. During the RI field work, environmental samples (surface water, groundwater, and sediment) were evaluated for metals, explosives, and radionuclides from Mathes Lake and the surrounding area. These samples are presented in Plate 6, Appendix I and Table 3-1. Appendix K presents the original figures depicting the sampling locations.

Two samples (co-located sediment and surface water) from Long Creek, RBW-SD/SW-78 (located approximately 1,000 ft upgradient from Plant Road C) and RBW-SD/SW-79 [located approximately 850 ft upgradient at the intersection of Long Creek tributary which runs along the west side of the IDA (IAAAP-020)], were collected. Results indicated detections of metals. The exact metals that were detected could not be verified from the report. Furthermore, the concentrations of metals in three other sediment samples and corresponding surface water samples [30-SW/SD-05 (located west of the asphalt road that leads to Firing Site 12), RBW-SW/SD-97 (located between Firing Site 12 and Firing Site 8 to the west of the unimproved road connecting these two firing sites), and 30-SW/SD-06 (located east of Firing Site 8 approximately 500 ft downgradient of the unimproved road) were determined to be increasing downstream as Long Creek traversed the site. All samples were analyzed for metals, volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs).



### 3.1.4 2000 Baseline Ecological Risk Assessment

The objectives of the BERA were to evaluate potential risks to terrestrial receptors from exposure to soil contaminants within each IAAAP site, and to evaluate potential risks to aquatic receptors within IAAAP (MWH, 2004). In May 2000, MWH collected surface water samples and in September 2000, sediment and additional surface water samples were collected, in accordance with *Technical Memorandum 2 - Collection of Water and Sediment Quality Data for Ecological Risk Assessment, prepared by MWH (2000)*, dated 7 April 2000. Samples were analyzed for metals, explosives, pesticides, PCBs, SVOCs, and herbicides. Samples from Long Creek and tributaries of Long Creek upgradient and downgradient of Mathes Lake were collected during this event as shown on Plate 6, Appendix I. Appendix K presents the original figures depicting the sampling locations.

No explosives were detected in the surface waters or sediments from Long Creek sample location LC4, downgradient of Line 3A (IAAAP-004) and prior to Firing Site 5. MWH concluded that this data suggest that explosives have not migrated to Long Creek from this source more than about 1,000 ft east of Line 3A, as had been indicated by soil samples from drainage ditches. Samples collected from drainage ditches within Line 3A were designated as sediment samples in the RI. However, these drainage ditches are dry for most of the year and terrestrial receptors could be exposed to sediment in the same manner as they are exposed to soil. Therefore, the sediment samples were considered soil samples for the ecological risk assessment (MWH, 2004).

Concentrations of metals in surface water and sediment at LC4 were comparable to other locations within Long Creek, except manganese in sediment, which was higher than most locations. Therefore, it is possible that other sources are responsible for the elevated manganese in sediment at LC4 (MWH, 2004).

At sample location LCT4, no explosives were detected in sediment, but trace levels of nitrobenzene and octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX) were detected in the surface water. LCT4 is also downgradient of the IDA (IAAAP-020) and the Fly Ash Disposal Area (IAAAP-043), and contamination detected in Long Creek surface water may reflect migration from soils originating from IAAAP sites further upgradient (MWH, 2004).

Sampling conducted at location LCT6, immediately downgradient of Line 8 (IAAAP-009), showed elevated levels of lead in sediment, compared with other locations within the Long Creek watershed (MWH, 2004).

### 3.1.5 2011 FUSRAP Feasibility Study

The 2011 FUSRAP FS focused on FUSRAP areas to assess remedial alternatives to mitigate sources of potential risk to human health and the environment within soil because of the presence of hazardous substances. Through this FS, five soil samples from Long Creek were collected from within the FSA (IAAAP-030) boundary, which assisted in understanding if contamination is traveling towards Mathes Lake due to IAAAP operations. These samples were analyzed for chromium and depleted uranium (DU) (uranium-235) and uranium-238. There were no exceedances within these samples. These sample IDs are presented on Plate 6, Appendix I. Appendix K presents the original figures depicting the sampling locations.

## 3.2 POTENTIAL CONTAMINATION SOURCES

Contamination has been identified within various locations throughout the IAAAP facility. USATHAMA evaluated the environmental quality of IAAAP with regard to the use, storage, treatment, and disposal of toxic and hazardous materials (e.g., radiological and explosives) and to define any conditions which may adversely affect health and welfare or result in environmental degradation (USATHAMA, 1980).

In response to a letter from USATHAMA requesting the identification of potentially contaminated installations, the U.S. Army Armament Materiel Readiness Command (ARRCOM), identified IAAAP as such an installation (USATHAMA, 1980).

In support of this PA, EDR conducted a 4-mile radius review from the perimeter of Mathes Lake (which was performed as a 5-mile search from the center point of the lake) and found 29 Iowa spill sites greater than 2 miles from Mathes Lake. One minor spill, located at a petroleum-contaminated soil land farm associated with AO, was north-northwest of Mathes Lake, and approximately 3 miles from the lake.

The following sections present the past and current data for IAAAP facilities which drain surface water or groundwater to Mathes Lake. These areas are of concern for the potential contamination that could have entered Mathes Lakes during operations.

### 3.2.1 Production Lines

Six industrial production lines, associated with operations at IAAAP, have been identified as potential sources of contamination to Mathes Lake. The following sections summarize operations at each location. Past environmental investigations, where applicable, are also discussed to determine whether there is evidence suggesting that potential contaminants from these production lines may have impacted Mathes Lake.

#### 3.2.1.1 Line 3A (IAAAP-004)

Line 3A is located in western IAAAP, west of the FSA (IAAAP-030) and northwest of the Demolition Area (IAAAP-021), and covers approximately 119 acres. Line 3A was constructed in 1941 and began operation in 1943. The line was shut down from 1945 to 1949, and then resumed operation in 1989 (JAYCOR, 1993). Line 3A is currently active.

Artillery LAP operations are conducted at this production line. Explosives are shipped into the plant, melted, and then packed into 155 millimeter artillery rounds. Final assembly of the finished munitions is conducted, and then the completed product is either stored or shipped off-site (JAYCOR, 1993).

Past metal cleaning operations conducted included several stainless steel dip tanks where ammunition casings were immersed in a sulfuric/hydrochloric acid bath, followed by a chromic acid bath, and water rinsing. Sludge containing metals were reportedly disposed of on-site (RAB, 2015).

In 2006, 1,436 cubic yards (yd<sup>3</sup>) of soil contaminated with explosives and/or metals was removed from the site and transported to Trench 6 of the IDA (IAAAP-020) and treated. The site is currently monitored as part of a Long Term Monitoring (LTM) program (RAB, 2015).



### 3.2.1.2 Line 4B (IAAAP-005)

Line 4B was an assembly facility for components manufactured elsewhere. Operations at the line began in 1941, but ceased in 1945 at the end of WWII. Production resumed in 1962. In the late 1960s, the line was used for missile assembly. Waste was generated in small quantities and was reportedly discharged to sumps (JAYCOR, 1993).

Hazardous substances of concern are trinitrotoluene (TNT), RDX, Composition B, HMX, and polymer-based explosive (LX-14). Previous materials included 2,4,6-Trinitrophenylmethyl-nitramine (tetryl), booster pellets, and fuze ingredients (RAB, 2015).

The site is currently monitored as part of a LTM program.

### 3.2.1.3 Line 5B (IAAAP-006)

Line 5B, also known as the booster line, is situated in north-central area of IAAAP. Line 5B encompasses a third of the area that Line 5A is also included within, which is surrounded by a security fence. Line 5A is not discussed in this PA because it is situated in the Brush Creek watershed. Line 5B is approximately 41 acres and Line 5A is approximately 33 acres (RAB, 2015). This location is bounded by Yard L to the north, Line 1 (IAAAP-001) to the east, Lines 4B (IAAAP-005) to the south, and Yard J to the west.

Line 5B was constructed in 1941 and actively operated from 1942 until 1945, when production was reduced after the end of WWII. Production at this facility was resumed again in 1949 during the Korean War, and production was intensified in 1961 during the Vietnam War. Lines 5A and 5B are no longer in use (JAYCOR, 1994).

In the past, Line 5B was a component line for pelletizing and assembly of adaptor boosting tetryl. A testing platform and a firing pit are located within the site boundary (JAYCOR, 1994).

Soil was removed from Lines 5A and 5B in the fall of 1999 as documented in the Phase II Remedial Action (RA) Report. Line 5B is being used by Advanced Environmental Technology (AET) for destructive disposal of ammunition (RAB, 2015).

The site is currently monitored as part of a LTM program.

### 3.2.1.4 Line 8 (IAAAP-009)

Line 8 was constructed in 1941 and was used during WWII to produce Amatol [ammonium nitrate and TNT]. Under government contract after WWII, the Emergency Export Company utilized the ammonium nitrate crystallization equipment to produce fertilizer. Subsequent activities were fuze and rocket igniter LAP operations. Prior to the closing of production activities, Line 8 consisted of four process buildings, a gate house, and a tank farm which was used to store ammonium nitrate liquor. After production activities were stopped, two of the process buildings were determined to be contaminated and subsequently burned. In addition, the tank farm [which contained 13 aboveground storage tanks (ASTs)] was dismantled. At this time, no information regarding the size of the tanks or documentation on their disposal has been located (JAYCOR, 1994).

As of the 1994 study conducted by JAYCOR, no process activities were performed at Line 8. Building 8-83-3 (one of the two remaining process buildings) contained an office that was used for ammunition surveillance activities. No other buildings are in use (JAYCOR, 1994).

Currently Line 8 is not operational and buildings are no longer maintained (modified caretaker status).

An Interim Record of Decision (ROD) required the removal of approximately 476 yd<sup>3</sup> of lead-contaminated soil, which is to be taken to the IDA (IAAAP-020) and sorted by contamination level and type (RAB, 2015).

The site is currently monitored as part of a LTM program.

#### 3.2.1.5 Line 9 (IAAAP-010)

Line 9 was built in 1942, encompasses approximately 9 acres and was used as a components production facility during WWII. During the Vietnam War conflict, the facility produced mines and mine fuzes. The line was used for mixing, loading, testing, packing, and shipping. The explosives processed at this facility include TNT, RDX, and plastic-bonded RDX (PBX), and the solvents included acetone and lacquer thinner. Wastes produced at this facility included sump scrap, acetone, xylene, lacquer thinner, and 1,1,1-trichloroethane (methyl chloroform). Explosive contaminated water from Line 9 was transported to Line 3A (IAAAP-004) for treatment in carbon columns. The incinerator ash produced from this line was transported to a USEPA-approved hazardous waste landfill for disposal (JAYCOR, 1994).

Because of the potential for surface water to migrate from the western area of Line 9 (IAAAP-010) and travel past the asphalt road, which then travels downgradient into an open channel along the eastern side of Line 8 (IAAAP-009), Line 9 has been included as a potential source area for consideration by this PA. Line 9 is located in the Brush Creek watershed and is situated on the border of the Long Creek watershed.

The majority of the buildings on Line 9 were demolished in 2010 under the Facilities Reduction Program (FRP). Remaining buildings at Line 9 are no longer maintained (modified caretaker status). The site is currently monitored as part of a LTM program (RAB, 2015).

#### 3.2.1.6 Contaminated Clothing Laundry (IAAAP-019)

The CCL (Building 500-125) is located in the west-central portion of IAAAP, approximately 1,000 ft directly north of the MHP and west of Line 6 (IAAAP-007) on Plant Road A. The CCL has been in operation from the 1940s through the present. The CCL is currently used to launder coveralls, clothing, and towels used by production and maintenance personnel (RAB, 2015).

Approximately 8,000 gallons of wash water per day was discharged to a settling basin, which is used to collect clothing fibers such as lint. Settled wash water is discharged via a large concrete weir, to the STP (IAAAP-026) sanitary sewer system. Waste wash water has been treated at the STP since 1982 (JAYCOR, 1992).

### 3.2.2 Landfills

Six industrial landfills associated with IAAAP have been identified as potential sources of contamination to Mathes Lake. The following sections provide a summary of each landfill and discuss the results of applicable investigations to determine whether the data indicate that these landfills are potential sources of contamination to Mathes Lake.

### 3.2.2.1 Pesticide Pit (IAAAP-017)

The Pesticide Pit is situated in the central portion of IAAAP, south of Line 3 (IAAAP-003) and south of the intersection of Plant Roads I and A.

The Pesticide Pit was used for treatment and disposal of residual amounts of pesticides and herbicides from 1968 to 1974. Dimensions of the pit are 8 ft square by 2 to 3 ft deep, and the pit was constructed of plywood, lined with polyester rosin, filled with limestone, and covered by an open-sided shelter. The pit was capped with clay sometime during the late 1970s to the early 1980s. The pit area is presently enclosed with a security fence to restrict access and is covered with significant vegetation (JAYCOR, 1994).

In 1995 based on preliminary RI results, 144 yd<sup>3</sup> of soils were excavated and the site was backfilled with pea gravel and clean soil. Follow-on groundwater sampling and analyses indicated all contaminants were below Federal action levels. Remedial actions were completed in 1996. The soils were transported to an off-site incinerator for disposal. Spring 2001 and June 2004 groundwater sampling indicated slightly elevated levels of chromium (RAB, 2015).

### 3.2.2.2 Inert Disposal Area (IAAAP-020)

The IDA covers approximately 19.7 acres and included a trench-and-fill sanitary landfill, a burning ground, a metal salvage operation, a sludge lagoon, a waste-water sludge drying bed, and an earthen-bermed holding area formerly used to store sludge. Trenches 1 through 5 were capped by the Army IRP (USACE, 2005). The IDA was in operation from 1941 to September 1992. In 1984, the holding area (also known as Blue Sludge Lagoon) was closed once the sludge was removed and transported to a concrete-lined sludge drying bed where it remained until January 1997 (RAB, 2015).

From November 1980 until October 1983, a portion of Trench 5 received ash from the open burning of explosive contaminated waste, the Explosive Waste Incinerator (IAAAP-025), and the CWP (IAAAP-024). When tested, the ash proved to be a Resource Conservation and Recovery Act (RCRA) hazardous waste and the disposal of the ash was discontinued at the unit. The unit was closed in 1989 in accordance with standard IAAAP procedures for closure of a sanitary landfill, and a network of monitoring wells were installed. The monitoring well network, however, did not fulfill RCRA requirements for closure of the groundwater at the unit. The final cover slopes to the south (toward natural drainage pathways) at an average grade of two percent (ETC, 1993).

The IDA, including Trench 6, Trench 7, and the cap extension area, is currently used as the depository for chemically contaminated soils from other sites on the IAAAP property. DU contamination was potentially deposited at the IDA when soils from the West Burn Pads (IAAAP-034), East Burn Pads (IAAAP-012), North Burn Pads (IAAAP-036), North Burn Pads Landfill (IAAAP-037), Line 1 Former Wastewater Impound (IAAAP-016), and the Fire Training Area (IAAAP-039) were placed in Trench 6, Trench 7, and the cap extension area (USACE, 2005).

The north end of Trench 5 contains special waste, such as ash from the CWP (IAAAP-024), EWI (IAAAP-025), and open burning of explosives and explosives-contaminated wastes. In April 1988, this area was capped and the RCRA closure plan was completed. In February 1997, the plan was amended to address sampling issues. In 1997 during routine sampling, radionuclides

were found in groundwater samples and were determined to be within normal background levels for IAAAP and within safe limits (RAB, 2015).

### 3.2.2.3 Unidentified Substance Waste Pile (IAAAP-022)

The Unidentified Substance Waste Pile covers an area approximately 20 by 20 ft. The site is situated in the central portion of IAAAP, north of Yard G along the south side of the railroad track, and approximately 200 ft west of Plant Road I (JAYCOR, 1994).

As of 2015 aerial images of IAAAP, the Unidentified Substance Waste Pile is no longer visible at this location.

### 3.2.2.4 Fly Ash Landfill (IAAAP-027)

The Fly Ash Landfill covers 9.5 acres and is located in the west-central portion of the IAAAP. The facility consists of the landfill area, groundwater monitoring well network, underground leachate collection system, and a holding pond. The site is bordered by railroad tracks and the MHP to the east, railroad tracks to the south, a wooded area to the west, and agricultural fields to the north (JAYCOR, 1996).

The Fly Ash Landfill has been in operation since 1985 and accepts only fly ash from the coal-fired MHP. The landfill was constructed in accordance with the State of Iowa regulations for coal combustion residue sanitary landfills. The State of Iowa Department of Water, Air, and Waste Management [now Iowa Department of Natural Resources (IDNR)] approved the plans and issued Construction Permit #29-SDP-3-82P on 5 May 1982. The approved construction plan utilized the compacted native clay soils as the landfill's base. The liner construction is appropriate for disposal of fly ash which has been characterized as non-hazardous. No hazardous wastes are disposed of in the landfill (JAYCOR, 1996).

Leachate from the leachate collection system beneath the Fly Ash Landfill and runoff from the coal pile are directed to a holding pond. The pond also receives boiler blowdown, described in Section 3.2.4.1, from the MHP, which serves to equilibrate the pH in the pond (JAYCOR, 1992). The holding pond water is treated before it is discharged.

### 3.2.2.5 Construction Debris Landfill (IAAAP-028)

The CDL is an approximately 5.7-acre area located within the Long Creek watershed in the central portion of IAAAP, west of Plant Roads I and L and south of the railroad tracks. The CDL is a grassy area with woodlands at the edges. There are no structures or remnants of structures currently present at the site (Tetra Tech, 2011b).

Wastes placed in the CDL included brick, stone, and concrete. The only avenue for surface drainage is southwest along the valley situated between the railroad tracks and Plant Road I, which drains to Long Creek (JAYCOR, 1992).

Based on 2015 aerial images of IAAAP, the CDL is no longer visible at this location.

### 3.2.2.6 Fly Ash Disposal Area (IAAAP-043)

The inactive Fly Ash Disposal Area is located on approximately 5 acres in west-central IAAAP, directly to the west of the existing Fly Ash Landfill (IAAAP-027). The MHP is to the east of the Fly Ash Disposal Area. In operation from the 1940s to the early 1950s, this area was used after

the Old Fly Ash Waste Pile (IAAAP-015), for disposal of fly ash, residual coal, clinkers, and other residue from the coal-fired MHP. The site is abandoned, and covered by natural vegetation, but has no final soil or clay cover (JAYCOR, 1992).

Surface runoff flows into an unnamed intermittent stream west of the site, which flows approximately 3,000 ft, ultimately discharging into Mathes Lake. The potential migration pathways are soil, sediment, surface water, and groundwater (JAYCOR, 1992).

### 3.2.3 Testing Site/Firing Sites

A testing site, known as the FSA (IAAAP-030), has been identified as a potential source of contamination to Mathes Lake. The FSA is a fenced operational range located in the western portion of the IAAAP that encompasses 450 acres and is approximately 1.5 miles from the nearest IAAAP boundary, near the point where the west and north branches of Long Creek converge and flow into Mathes Lake. The FSA was developed by the AEC to support test firing of munitions for IAAAP and was used by AEC between 1948 and 1974. Individual firing sites are located within the FSA and are grouped by proximity into five firing site areas (USACE, 2011):

- **Firing Sites 1 and 2:** Each firing site is comprised of one building, the surrounding land, and the entrance road to both areas located at the access point to the FSA. Firing Site 1 was constructed in 1952, used as an administrative facility, and contained an x-ray film-processing machine to develop film of test shots. Firing Site 2 was constructed in 1948 and was used as an inert storage facility. Firing Sites 1 and 2 are used on an as-needed basis in support of the U.S. Army mission (USACE, 2011).
- **Firing Sites 3, 4, and 5:** Between 1948 and 1952, Firing Sites 3, 4, and 5 were constructed and used as general purpose storage magazines. Firing Sites 3 and 4 were used for storage of munitions and radiological materials. Firing Site 5 was a general-purpose storage magazine, but components for 701 hydrodynamic shots (hydro-shots) of DU-238 (D-38) were also assembled at Firing Site 5 during AEC operations between 1965 and 1973. No actual ordnance testing was done at any of these facilities. Firing Sites 3, 4, and 5 are currently used as storage magazines (USACE, 2011).
- **Firing Site 6 Area (Firing Sites 6, 7, 8, and 15):** Firing Site 6 is believed to have been the primary testing area for IAAAP until Firing Site 14 was built in 1972. Historic drawings indicate the presence of a concrete observation bunker and test fire pad at Firing Site 6. Firing Sites 7 and 8 were used as observation bunkers based on engineering drawings. Prior to the construction of Firing Site 14, Firing Site 6 was used for detonation tests of “plane wave” shots. The explosives used in these shots were a mix of Composition B and barium nitrate. Some other tests conducted at Firing Site 6 involved explosive components that contained a thin sheet of DU. The quantity of these tests conducted at Firing Site 6 is unknown. There is little known information available on Firing Site 15 (USACE, 2011).

The Firing Site 6 Area is currently used for test firing of munitions for the IAAAP (USACE, 2011). To date, no documentation has been discovered to indicate historical operations at Firing Site 6 involving the use of DU. However, interviews with site personnel indicate that test firings of DU spheres were conducted at Firing Site 6. The spheres are reported to have consisted of an outer and inner shell of explosives with a



1/16<sup>th</sup> of an inch of DU between the shells. The number of suspected test firings is unknown (USACE, 2001).

- **Firing Site 12 Area (Firing Sites 9, 10, 11, and 12):** At Firing Site 9, an abandoned concrete underground observation bunker is present, and historical drawings indicate the bunker was used in support of testing at a Firing Site 10 test fire pad. Firing Site 11 contained an underground high explosive supply magazine, and remnants of an underground bunker were also found. Firing Site 12 was used as an ordnance testing area for munitions and contains a concrete observation bunker and concrete firing pad. Between 1965 and 1973, a series of specialized tests called hydro-shots of D-38 and high explosives were conducted exclusively at Firing Site 12. Hydro-shots of D-38 consisted of conventional munitions surrounded by a large ring of DU that was broken, partially dissipated, and scattered upon detonation. A hydro-shot was a diagnostic operation that used DU as a surrogate for weapons grade material and was a quality control technique for measuring the performance of PBX produced at IAAAP. Approximately 8,820 pounds of DU associated with hydro-shots were used at the Firing Site 12 Area. Currently, the Firing Site 12 Area is fenced and is not used by the U.S. Army because of the presence of DU fragments found at the area (USACE, 2011).

Because of the nature of Firing Site 12 conditions, remedial actions began in the summer of 2013 to excavate surface soils and subsurface soils to eliminate the DU contamination present. The total volume of soil planned for excavation per USACE is 22,023 yd<sup>3</sup>. The goal of this excavation process is to reduce the DU concentration to below the remediation goal of 150 pico-curies per gram (pCi/g) (USACE, 2014).

In February 2013, a *RD/RA Work Plan, Iowa Army Ammunition Plant Operable Unit 8, Depleted Uranium Contaminated Soil and Structure Remediation* was completed outlining the process that follows governing Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLA) and FFA requirements for implementing the selected remedy of Operable Unit – 8 (OU-8). OU-8 includes the removal of contaminated soils located within the FSA (USACE, 2015).

- **Firing Site 14:** Firing Site 14 is located in the southern portion of the FSA, was built in 1972, and was used as a test firing range. Little information is available as to what was tested at Firing Site 14 or when testing occurred, although some information obtained indicates that tile shot testing was performed. Tile shots conducted during AEC operations consisted of a relatively small amount of conventional explosives and boosters. Also, detonation tests of “plane wave” shots were conducted based on information reviewed for Firing Site 6 (USACE, 2011).

### 3.2.4 Storage Locations

Three industrial storage sites associated to IAAAP have been identified as potential sources of contamination to Mathes Lake. The following sections detail the past investigations into sampling activities to determine if contamination could have been introduced into Mathes Lake.

#### 3.2.4.1 Building 600-86 Septic System (IAAAP-038)

Building 600-86 was located in the north-central portion of the facility, on Texas Road at the intersection with the north-running railroad track. At least three other buildings were situated in

the vicinity of 600-86 and served as storage structures for inert materials, TNT, and mercury fulminate. There was also one reference found indicating the existence of a well to the north of 600-86 and as gas farm to the east. Plate 4, Appendix I, indicates a well to the east of 600-86, not the north. The type of well was unavailable within the records of this search. The focus of past investigations at 600-86 was the building's septic system, which ran to the west of the building for approximately 865 ft (JAYCOR, 1994).

Building 600-86 was referred to as the Central Chemical Lab. This building had served two known roles since its construction in 1941. First, it was an analytical lab until approximately 1953. Subsequent to this, two specific rooms within the building were and currently are used for storage of RCRA hazardous wastes. The remainder of the building was unused (JAYCOR, 1994).

Based on current aerial images of IAAAP, 600-86 is no longer visible at this location.

#### 3.2.4.2 Former Fuel Station (IAAAP-045)

The Former Fuel Station was located directly east of Texas Avenue and north of the Fire Station. According to the *FY2005 Installation Action Plan for IAAAP*, which was prepared by multiple agencies, the Former Fuel Station was used from 1941 until 1997. This site consists of the contaminated soil and groundwater from various leaking USTs (LUSTs).

In 1988, three LUSTs were removed and replaced; some contaminated soil was left in place. The new tanks were active from 1988 to 1997, and were removed in 1999. Approximately 520 yd<sup>3</sup> of contaminated soil was removed. A Corrective Action Report (CAR) was submitted in August 2002.

#### 3.2.4.3 Main Heating Plant

The MHP is also referred to in past reports as the main power plant, coal-fired power plant, and the like. The purpose of the MHP is for providing 'wet' heat to buildings throughout the IAAAP facility for the purposes of safe non-energetic heat due to the nature of the operations at IAAAP. IAAAP receives electricity from the local power grid provided through the local municipality.

The MHP is located north (upgradient) of Line 8 (IAAAP-009) and to the west of Plant Road A. Before a settling pond at the MHP was built, rainwater runoff from the coal piles, situated 400 ft south of the MHP, washed leachate containing iron and sulfur down into a ravine east of Line 8. To collect this runoff, a weir dam was constructed across the ravine, approximately adjacent to Building 8-81-3 at Line 8 (IAAAP-009). Particulates settled as a red sludge, which contained up to 27% iron. Periodically, this sludge was excavated and landfilled (JAYCOR, 1996).

Effluent from blowdown (removal of suspended and dissolved solids to maintain boiler efficiency and heat transfer capability) was routed to the holding pond, as it served to equilibrate the pH in the holding pond. Water from the holding pond is run through a lime column to precipitate the iron. Treated effluent from the column is piped to a concrete holding basin. Basin water is tested for compliance with its NPDES discharge permit.

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## 4.0 HISTORICAL PROPERTY SUMMARY

### 4.1 AERIAL PHOTOGRAPHIC INTERPRETATION

Aerial photographs were obtained during the preparation of this PA and are included as Appendix D. A review of aerial photos includes photos of Mathes Lake taken in 1930, 1960, 1970, 1980, 1990, 2004, and 2014.

In 1930, the agricultural cultivation of the lands is evident, as is the channel of Long Creek from northwest to southwest. The formation of Mathes Lake and the expansion of Long Creek along its banks can be viewed between the 1930 and 1960 aerial images.

Between 1941, when Mathes Lake was created, and 2014, the sedimentation built-up in the upper reaches of Mathes Lake has resulted in an observed loss of approximately 18.5 acres in the lake area.

**Table 4-1 Aerial Photographs**

Aerial Photographs			
Year	Scale	Details	Sources
1930	1 inch = 1,200 ft	Prior to facility being constructed	Iowa State UGISS & RF, IDNR, USDA NRCS, and MIT
1960		During IAAAP operations	
1970			
1980			
1990			
2004			
2014			

Notes: UGISS & RF = University Geographic Information Systems Support and Research Facility  
IDNR = Iowa Department of Natural Resources  
USDA NRCS = U.S. Department of Agriculture Natural Resources Conservation Service  
MIT = Massachusetts Institute of Technology

### 4.2 RADIUS ENVIRONMENTAL DATABASE SEARCH

A 4-mile radius search beyond the perimeter of Mathes Lake (5 miles from the center point) of available environmental records (both Federal and State environmental databases) was conducted to identify records of contamination at and around Mathes Lake, or at nearby properties, from both IAAAP and non-IAAAP entities, which may impact Mathes Lake or areas in the vicinity of Mathes Lake. The radius search was performed by EDR. The report is designed to meet the search requirements of the USEPA *Standards and Practices for All Appropriate Inquiries* (40 CFR Part 312) and the American Society of Testing Materials *Standard Practice for Environmental Site Assessments* (E 1527-13). The report was also used to evaluate potential environmental and sensitive receptor risks in and around Mathes Lake.

Environmental risks identified are: Federal National Priorities List (NPL) site list; Federal CERCLIS list; Federal RCRA Corrective Action Sites (CORRACTS) facilities; Federal RCRA non-CORRACTS Treatment, Storage, Disposal (TSD) facilities; Federal RCRA generators; Federal institutional controls / engineering controls registries; State and tribal leaking storage tank lists; and State and tribal registered storage tank lists. Each of these environmental risks

identified were associated to operations at IAAAP with the exception of Federal RCRA CORRACTS, Federal RCRA non-CORRACTS TSD, State and tribal leaking storage tanks, and State and tribal registered storage tanks, which were associated to off-site properties as well.

Sensitive receptors (i.e., individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges) were not specifically identified within the EDR search, but they were identified as potentially begin present within the 4-mile radius of this search. These receptors are hospitals, medical centers, nursing homes, schools, and daycare centers. The EDR report is found in Appendix J.

On 14 July 1989, IAAAP was proposed for inclusion on the USEPA's NPL pursuant to Section 105 of the CERCLA and the Superfund Amendments and Reauthorization Act (SARA) of 1986 due to surface water contaminated with explosives leaving the IAAAP boundary. IAAAP was added to the NPL in August 1990. In September 1990, the U.S. Army and USEPA Region VII entered into a FFA to define the roles and responsibilities for the U.S. Army's cleanup work at the IAAAP and the process for inter-agency coordination (USACE, 2011).

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## **5.0 EVALUATION OF PRESENCE OF MILITARY MUNITIONS**

No potential munitions and explosives of concern (MEC) have been identified at Mathes Lake during this PA. No evidence was found suggesting that MEC was inadvertently introduced into Mathes Lake during operations conducted at IAAAP; therefore, no additional discussions of MEC are included within this PA.

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## **6.0 EVALUATION OF POTENTIAL UPGRADIENT HAZARDOUS, TOXIC, AND RADIOACTIVE WASTE SOURCES**

### **6.1 GENERAL EVALUATION OF HAZARDOUS, TOXIC, AND RADIOACTIVE WASTE PRESENCE**

On 19 March 2001 and 9 December 2003, the Agency for Toxic Substances and Disease Registry (ATSDR) issued public health announcements (PHA) within Health Consultation Reports. These reports addressed concerns which the local citizens had regarding the use of hazardous material during the operations of IAAAP and the potential for contaminant migration off-site. Within both of these reports, the potential for radioactive contamination within Mathes Lake and the drinking water, which prior to 1977 was drawn from Mathes Lake, was of concern, as was the migration of other potential contaminants, including explosives, from the IAAAP facility.

The 2001 ATSDR referenced results from two sediment samples collected from the bottom of Mathes Lake in 1971. The source document containing the sample results was not located during the course of this PA. It is unknown where the samples were collected from or at what depths. Therefore, this data cannot be verified.

Both of these samples were analyzed for uranium and had uranium concentrations of 0.66 pCi/g and 1.1 pCi/g which were determined to be below background (ATSDR, 2001).

The second PHA that ATSDR issued in 2003 referenced drinking water which was taken from Mathes Lake prior to 1977 and concluded that there is a slight potential that the drinking water supply may have been contaminated with DU. At the time that this PHA was written, no data was available to substantiate this conclusion.

Based on a review of available documentation conducted for this PA, it is evident that the potential exists for HTRW contamination in Mathes Lake from upstream operations at IAAAP sites, as soil and groundwater contamination has been documented at various upgradient source areas. Potential sources consist of IAAAP production lines, landfills, testing sites, and storage locations for various types of waste and materials. Most potential source areas have been addressed through previous remedial actions and are being monitored through LTM programs.

These potential sources have been summarized in Section 3.2, and past investigations focusing on contamination issues with these potential source areas are addressed in Sections 6.1.1 through 6.1.4. Historical documentation presenting these sampling activities as presented in Plate 6, Appendix I.

Other than coal observed during the April 2015 site reconnaissance visit, as shown in Appendix G, in the northeast reaches of Mathes Lake where the tributary originating near the MHP enters Mathes Lake, no apparent visual evidence was found during the site reconnaissance visit indicating that potential upgradient source areas in the Long Creek watershed have resulted in adverse impacts to Mathes Lake.

The following sections (Section 6.1.1 through 6.1.4) present analytical findings of contamination from various historical investigations (i.e., 1980 through 2011) conducted at IAAAP. Each of these reporting entities have followed regulatory guidance (e.g., IAW with relevant USEPA guidance as promulgated in "Guidance for Conducting Remedial Investigations and Feasibility Studies under CERCLA," Interim Final, EPN540/G-89-004, OSWER Directive 9355.3-01, October 1988) and have underwent rigorous review periods, which have led to regulatory

evaluations prior to publication. The findings presented in the following sections of this PA were obtained directly from the reporting entities as presented at the time of publication. Various screening criteria including preliminary remediation goals (PRG), residential screening levels (RSL), clean-up criteria, and/or action levels were utilized by the reporting entities to assess whether or not conditions at the time of the study warranted further investigations or actions. These historical findings were evaluated during the preparation of this PA to assess whether Mathes Lake poses a potential threat to human health or the environment. Because of the data limitations associated with historical data from past investigations including the age and representativeness of the data, historical data was not compared with present-day remedial goals, screening levels, or action levels as the outcome would be inconclusive if performed.

### 6.1.1 Production Lines

#### 6.1.1.1 Line 3A (IAAAP-004)

The melt buildings appear to be the areas where the highest volume of wastes was produced; the floors of the buildings were routinely washed down and the explosive contaminated wastewater was discharged directly onto the ground surface. Other wastes that may have been generated at Line 3A include solvents and inorganics (JAYCOR, 1993).

In June 2007, samples were collected and analyzed for RDX from shallow wells JAW-15, JAW-17, JAW-20, and JAW-22 and from intermediate well JAW-21 (Tetra Tech, 2009). Groundwater results from all wells sampled were above the PRGs.

Of these five samples, three of them lie on the perimeter of Long Creek watershed (i.e., JAW-17, JAW-20, and JAW-21). However, because of the steep topography and hydraulic gradients toward the Skunk River in the vicinity of these wells, it is unlikely that groundwater contaminant migration would significantly impact the Long Creek watershed (USACE, 1997). At the time of this study, samples were not obtained downgradient from Line 3A well locations within the Long Creek watershed.

The northern perimeter of Line 3A extends into the Long Creek watershed, but available monitoring wells and known groundwater contamination are in the Skunk Creek watershed (USACE, 1997). Monitoring well G-8 lies just to the northwest of Mathes Lake, along the north side of Long Creek. Groundwater results were reported in the Groundwater FS Report for On-site Groundwater Operable Unit (OU-6) as having no detectable concentrations of explosives (USACE, 1997).

This site was cleaned up to industrial PRGs as documented in the *Remedial Action Report for OU-1 Soils Phase 5, 7, and 8 Sites and Installation Wide Ecological Evaluation* dated September 2010. Any contaminated soil under the infrastructures of IAAAP, and therefore inaccessible, was left in place. Once confirmation samples determined that all accessible contaminated soil had been removed, each excavation was backfilled with clean soil to the original grade, compacted, and then reclaimed to original conditions (RAB, 2015).

Line 3A is shown on Plate 2, Appendix I.

#### 6.1.1.2 Line 4B (IAAAP-005)

Groundwater samples collected at Line 4B during the 1997 investigation conducted by USACE were slightly above the PRG for methylene chloride, and were anticipated to decrease below the PRG through natural attenuation. Contaminants were not expected to reach Long Creek from

Line 4B (USACE, 1997). Long Creek is approximately 3,000 ft from the source of methylene chloride at Line 4B.

As part of the Phase 4 Remedial Design (RD) Sampling, conducted in 2003 and 2004, a total of five distinct buildings or building groups were evaluated at Line 4B. Of these five areas, three were evaluated through a historical document review and an evaluation of previous environmental sampling results; no additional samples were collected. The three areas evaluated through historical reviews were Building 4B-21, Building 4B-54 and Buildings 4B-137-1 through 4B-137-3. Buildings 4B-21 and 4B-54 were sampled by USACE, Omaha District in April 2001 and subsequently confirmed free of contamination above PRGs. Twelve new sample locations were established at Building 4B-22 and the Transformer Substation 4B-169-1 for the Phase 4 RD. Samples were analyzed for explosives, VOCs, SVOCs, PCBs, and total metals. Analytical results from the surface and subsurface soil samples collected at these locations indicated no contaminant concentrations were present above PRGs. Details regarding sample results and conclusions are provided in the *Draft Final Data Summary Report, Supplemental RD, Phase 4 Soil Sites, OU-1*, (USACE, 2004). This report recommended the following sites for no further RD/RA activities and for CERCLA closure (USACE HTRW, 2006):

- Building 4B-21
- Building 4B-22
- Building 4B-54
- Buildings 4B-137-1 through 4B-137-3
- Transformer Substation 4B-169-1

Line 4B is shown on Plate 2, Appendix I.

#### 6.1.1.3 Line 5B (IAAAP-006)

The principal explosives used at both Line 5A and Line 5B were TNT and RDX. As stated in Section 3.2.1.3, Line 5A is not discussed in this PA, as it is located in the Brush Creek watershed. The waste material resulting from the explosive loading operation at Line 5B was explosive contaminated wastewater, which included acetone and other solvents. As a part of National Pollutant Discharge Elimination System (NPDES) Permit No. 29-00-9-00 dated 15 May 1985, the discharge was required to be sampled immediately following the carbon filter treatment at Building No. 5A-140-3 and 5B-140-3 prior to being discharged into Brush Creek (JAYCOR, 1994).

At Lines 5A and 5B, ten areas of concern were identified. These areas are located adjacent to the tetryl screening and blending facility, the tetryl pelleting operations, the explosives assembly area, and pump house areas. Contaminants that exceeded cleanup criteria included explosives in sump locations, lead, and arsenic (USEPA, 1998).

During the Fall 2004, an installation-wide groundwater sampling event was conducted by Tetra Tech. Monitoring well 5B-MW1 is a shallow well located approximately 50 ft to the south of Building 5B-28. Monitoring well 5B-MW1 was sampled on 17 November 2004 for various constituents, and RDX was detected at a level exceeding the PRG value (Tetra Tech, 2005). The sample obtained from this well in June 2007 was above the PRG for RDX, as reported by Tetra Tech in the *Final 2007 Groundwater Sampling Report for IAAAP*.

Line 5B is shown on Plate 2, Appendix I.

#### 6.1.1.4 Line 8 (IAAAP-009)

An environmental contamination survey of IAAAP was performed during the period of 1 February 1981 to 31 October 1981 to determine the extent of contamination and its potential to migrate beyond installation boundaries. Groundwater, surface water, sediment, and soil samples were collected and analyzed for explosives, anions, metals, priority pollutant organic chemicals, pesticides and PCBs. Within Line 8, no samples were found to contain levels of contaminants which exceeded PRGs for human health or aquatic life. However, two soil samples were found to contain elevated lead concentrations below the PRG value. The higher levels that were found at these two locations may be a local variation in soil conditions due to naturally occurring lead in the rock units. Analyses of the surface waters and sediments downstream of this area indicated that the lead was not migrating to either of these media (JAYCOR, 1992).

During this sampling event, samples confirmed the elevated lead concentrations in soil found in 1981. Additional metals also were detected, as were SVOCs and explosives (JAYCOR, 1992).

Explosives were detected in the most southern surface water sample (R09-SW-05) collected, which is approximately 1,300 ft south of Building 8-81-3. No explosives were reported in the corresponding sediment sample. Explosives were not detected in any of the other surface water/sediment samples (i.e., R09-SW/SD-01, R09SW/SD-02, R09-SW/SD-03, or R09-SW/SD-04) collected at this site. Explosives were also not detected in the upgradient basewide samples, RBW-SW/SD-67, or the downgradient basewide samples, RBW-SW/SD-66 (JAYCOR, 1996).

Line 8 is shown on Plate 2, Appendix I.

#### 6.1.1.5 Line 9 (IAAAP-010)

Because of the potential for surface water to migrate from the western area of Line 9 and travel past the asphalt road, which then travels downgradient into an open channel along the eastern side of Line 8 (IAAAP-009), Line 9 has been included for evaluation as a potential upgradient source.

Between the time of July and November 1992, field sampling for metals and explosives was conducted. During this timeframe beryllium (from the former sump) and lead (from Building 9-58) were detected at levels exceeding the PRGs.

During a sampling event in June 2007, four shallow monitoring wells (JAW-29 thru 31 and L9-MW11, all locations are on the eastern side of Line 9) were sampled for VOCs and JAW-31 was also sampled for SVOCs (which exhibited zero detections for SVOCs). Freon 113 was detected in each of the four wells sampled and exceeded the PRG value in three wells. Shallow well L9-MW11 had a detection for 1,1-dichloroethene, that exceeded the PRG value, and 2-butanone, which was below the PRG value. Methylene chloride was detected at all four locations exceeding the PRG value (Tetra Tech, 2009).

Between the Spring and Summer of 2010 a majority of the buildings at Line 9 were demolished under the FRP. Samples were collected beneath building slabs (after demolition) for potential explosives and metals contamination at Line 9. The IAAAP PRGs were not exceeded in any sample points for any constituent (explosives or metals). None of the samples exceeded any Regional Screening Level (RSL) value (where IAAAP RGs have not been established) (RAB, 2015).

All four monitoring wells are located within Brush Creek watershed. Therefore, groundwater from this site is not anticipated to travel towards Mathes Lake. Based on the groundwater



contours presented by Tetra Tech in the *Groundwater Sampling Report (GSR)* of 2005, groundwater contaminants are most likely to follow the paths leading to Brush Creek.

Line 9 is shown on Plate 2, Appendix I.

#### 6.1.1.6 Contaminated Clothing Laundry (IAAAP-019)

According to U.S. Army Environmental Hygiene Agency (USAEHA), which is now the U.S. Army Health Services Command, the waste wash water from the CCL was red in color due to the high concentration of TNT. Within in the 1971 USAEHA report, effluent from the settling basin was described as being pumped into a nearby intermittent stream, where it flowed approximately one-half mile, then discharged into Mathes Lake. According to this report, the effluent was not treated at the STP (IAAAP-026) because of a plant policy restricting discharge of explosive-bearing liquids into the sewage collection system (JAYCOR, 1992).

*The Final Work Plan for Phase I RI/FS Volume 1 of 3* produced by JAYCOR in June 1992 has listed the CCL as sending wash water to the STP as listed above, and then reports USAEHA stating the wash water is not treated by the STP. No other reports were located to clarify this statement during the course of the PA investigation process.

If overflow from the settling basin were to occur, runoff could potentially enter a culvert which runs under the roadway to the east of the CCL, to the intermittent stream which flows to Mathes Lake. This stream runs almost due south, past the MHP, Line 8 (IAAAP-09), and then into Mathes Lake (JAYCOR, 1992).

No explosives were reported in the samples obtained at CCL above the PRG limits. During a site reconnaissance in May 1991 and a SI in August 1991 conducted by JAYCOR, there was no indication that discharges or backup from the settling basin weir had occurred. Furthermore, plant blueprints indicate that the laundry is in-line with the plant's sewage system (JAYCOR, 1992).

During the course of a 2007 sump replacement at the CCL soils were sampled and actionable levels of explosives were detected. This contaminated soil was removed in 2007 and disposed of at the IDA (IAAAP-020). In 2008 sampling results indicated that the groundwater below the sump is contaminated with RDX (RAB, 2015).

The CCL is shown on Plate 2, Appendix I.

### 6.1.2 Landfills

#### 6.1.2.1 Pesticide Pit (IAAAP-017)

In an entomological study performed in June 1974, industrial chemicals and pesticides were identified at the Pesticide Pit. The rinsate from pesticide containers had been poured into the Pesticide Pit while the containers were crushed and buried in the sanitary landfill. Typical types of containers included frame-mounted and manually carried insecticide sprayers. In addition to pesticide rinsates, 165 gallons of stripper, oakite, and composition No. R-6 were emptied into the Pesticide Pit in early 1973. Plans to empty twenty-nine, 5-gallon cans of the chemical "Retard", (produced by Ansul Company for the controlled growth of grass, trees, shrubs, and ivy) into the Pesticide Pit had been approved for disposal at the time of this 1974 study, but no documentation had been found to verify the disposal occurred. At the time of the entomological survey, the Pesticide Pit was empty except for one or two inches of dry sludge. The polyester rosin on the

bottom of the Pesticide Pit appeared to be cracked and unable to hold any liquid which might be emptied into it (JAYCOR, 1994).

Approximately 150 yd<sup>3</sup> of pesticide-contaminated soils were excavated in the spring of 1995 from the Pesticide Pit and disposed of at an approved off-site waste disposal facility. An Action Memorandum to document the selected action was signed in March 1995 and included in the Administrative Record (Harza, 1998).

In June 2007, a groundwater sample was collected from shallow well JAW-617, located approximately 100 ft south of Plant Road I, and was analyzed for total chromium. Total chromium was detected below the PRG value. Prior to the June 2007 sampling, the most recently-collected samples (Spring and Fall 2006) had concentrations of dissolved chromium that exceeded the PRG value (Tetra Tech, 2009).

The Pesticide Pit is shown on Plate 2, Appendix I.

#### 6.1.2.2 Inert Disposal Area (IAAAP-020)

A surface impoundment, the Blue Sludge Lagoon, was located within the IDA. In 1983 and again in 1996, lagoon material was tested and analyzed for contaminants, including chromium. The material was determined to be non-hazardous and, in January of 1997, was placed in the soil repository where it was permanently contained (Harza, 1998). The soil repository utilized for disposing of these non-hazardous material are most likely Trench 6 Soil Repository located at the Inert Landfill. This is based on the segregation of types of soils as indicated in a 1998 report which states: *The cap portion of the trench has been completed for Trenches 1-5 in the Inert Landfill; operation and maintenance is in progress. Trenches 6 and 7 are still open for additional contaminated soil. Soils with medium to random contaminant concentration levels are placed in Trench 6 and soils with high levels of contamination are placed in Trench 7* (Harza, 1998).

During the Fall of 2005, groundwater was evaluated throughout various IAAAP sites including IDA. This sampling event was conducted by Tetra Tech and results were reported in the GSR for IAAAP. During this sampling event well CAMU-99-3S, south of the central railroad track by approximately 100 ft along the north road which is parallel to the railroad track on the western edge as shown in Appendix K, was sampled for explosives, metals, VOCs, and SVOCs. One explosive (2-nitrotoluene) was detected above the groundwater PRG value in well CAMU-99-3S. Other explosives were detected below groundwater PRGs for all other samples. Monitoring well CAMU-99-2S, situated along the western road that runs perpendicular to the railroad track, showed elevated levels above the PRG value for lead during the fall 2005 event. Previous concentrations of lead in this well had been below the groundwater PRG value. Well CAMU-99-1S, approximately 550 ft south of well CAMU-99-2S, had elevated levels of manganese in groundwater above PRG value. Manganese previously has not been analyzed in the CAMU series wells.

In Fall 2005, no SVOCs were detected in any of the shallow wells sampled, and no VOCs were detected above applicable groundwater PRGs in the shallow wells (Tetra Tech, 2005).

The IDA is shown on Plate 2, Appendix I.

#### 6.1.2.3 Unidentified Substance Waste Pile (IAAAP-022)

On 16 July 1985, an unidentified substance, thought to be road surfacing oil, was discovered at the Unidentified Substance Waste Pile. The source of the oil spill is thought to have been a

leaking railroad tank car. The spill area is located 15 to 20 ft south of the railroad track. According to on-site personnel, this area has been covered with approximately 10 ft of fill material which has created a small incline sloping up and away from the railroad track (JAYCOR, 1994).

A waste sample was taken by Ecology and Environment between 12 and 14 August 1986, and analyzed for the full hazardous substance list. No constituents of the above-mentioned substances were found (JAYCOR, 1994).

The Unidentified Substance Waste Pile location is shown on Plate 2, Appendix I.

#### 6.1.2.4 Fly Ash Landfill (IAAAP-027)

The 1991 SI groundwater sampling activities concluded that no contaminant migration was occurring at the Fly Ash Landfill, with the exception of trace explosives (i.e., TNT, HMX, and tetryl) detected in three (two west and one southwest) of the wells tested. Since no known source for explosives contamination existed at the landfill, trace concentrations [less than 10 micrograms per liter ( $\mu\text{g/L}$ )] of explosives found were believed to be false positive results common with some explosives analysis performed without confirmation column analysis (JAYCOR, 1996).

During the SI, other constituents were also detected (e.g., sulfates and metals) within three surface soil samples collected around the landfill (i.e., southwest and northwest drainage ditches and the middle of the landfill) and in downgradient wells from the landfill, however these results were all below the PRGs. There were no appreciable increases in metal concentrations for downgradient monitoring wells as compared with upgradient wells.

In addition, surface runoff was sampled at the Long Creek discharge for NPDES compliance. The analysis results of these samples have not indicated any pervasive problems. Leachate from beneath the Fly Ash Landfill drains through an underground collection system to a manhole located to the south of the landfill, then to a holding pond. Runoff from the coal pile also is directed to this holding pond. The pond also receives boiler blowdown from the MHP, which serves to equilibrate the pH in the pond. Water from the pond is run through a lime column to precipitate the iron. Treated effluent from the column is piped to a concrete holding basin. Basin water is tested for compliance with its NPDES discharge permit. If levels are out of compliance, water from the basin is piped back into the pond for retreatment. Sludge from the lime column is dumped on the new Fly Ash Landfill (approved by IDNR). The MHP is shut down from May to September, so this activity is suspended. The lime precipitator was installed at the MHP in 1984 (JAYCOR, 1992).

The Fly Ash Landfill is shown on Plate 2, Appendix I.

#### 6.1.2.5 Construction Debris Landfill (IAAAP-028)

During an SI, three soil samples were collected for analysis of explosives, PCBs, pesticides, VOCs, and metals from the CDL. All three samples tested positive for PCBs and pesticides; explosives were found in two samples (JAYCOR, 1992). Sample results for all analysts listed above were above PRG values.

The SI sampling confirmed the presence of PCBs, pesticides, and explosives at this site. Similar types and concentrations of contaminants were found throughout the site. Because historical dumping is reported to have occurred at the site, and because contamination has been confirmed, the CDL was recommended for further investigation during the RI (JAYCOR, 1992).

The CDL operated between the 1940s and September 1992. Observations by MKM Engineers, Inc. (MKM) indicate the site contained large pieces of concrete, rebar, brick, and various other pieces of construction debris on the surface, and down embankments on the west and south sides of the site, though MKM did not specify how far down the embankments debris was observed. Between 1991 and 2004, an earthen cover approximately 1 to 3 ft thick was placed at the disposal area. According to the historical records review interviews conducted by Shaw, the area was used often for disposal of non-flammable and non-biodegradable items (Tetra Tech, 2006).

Additional soil and sediment samples were collected by MKM in 2004 to help determine the full extent of the site. This information is documented in the Draft Final Report for the Soil Data Collection. No analytes above the background levels as determined in the OU-1 Record of Decision were detected. Material that appeared to be fly ash was encountered at 18 ft bgs (RAB, 2014).

The CDL is shown on Plate 2, Appendix I.

#### 6.1.2.6 Fly Ash Disposal Area (IAAAP-043)

On 24 June 1987, samples were collected from monitoring well DM-9, located mid-way between the Fly Ash Landfill (IAAAP-027) and the Fly Ash Disposal Area. Per the Phase I RI/FS conducted by JAYCOR, no explosives were reported in samples taken at this site (JAYCOR, 1997).

No contaminants of concern were reported in sediment samples above the PRG values. Beryllium was found in soil samples above the PRG values. Arsenic, selenium, and zinc were also found in samples above the PRG values, but the values were within the ranges established by the U.S. Geological Survey (USGS) for soil types found at IAAAP. Elevated levels of sulfates and nitrates were also found, but it is expected that high levels of these constituents would be present in the soil (JAYCOR, 1992).

The absence of contaminants in sediment samples taken from the stream bed indicates that the Fly Ash Disposal Area is stable and that contaminants are not leaching from the ash pile to the stream (JAYCOR, 1992).

The Fly Ash Disposal Area is shown on Plate 2, Appendix I.

### 6.1.3 Testing Site/Firing Sites

Historical records indicate that at the conclusion of AEC activities at Firing Site 12 (IAAAP-030), residual DU soil contamination existed at the site. Decontamination activities were subsequently conducted by the Silas Mason Company that included removal of soil at the test site to a depth of 15 ft bgs; the removal of the top 1 to 2 inches of soil at an approximate radius of 30 to 50 ft around the test site; and the plowing of the remaining Firing Site 12 area. A letter from the Silas Mason Company, dated 20 September 1974, presents the results of 12 post-remedial action samples taken from Firing Site 12. This letter indicates that these 12 samples are "additional" post-RA samples; however, it is not clear if documentation of the other data exists. SIs at Firing Site 12 as late as November 2000 revealed the presence of DU fragments up to a distance of 328 ft from the test site (USACE, 2001).

As part of the 2006 Dispute Resolution Agreement, the U.S. Army and USEPA's approach to handling the FSA was outlined. The settlement agreement stated (USACE, 2011):

*“FUSRAP will primarily be addressing the presence of DU at the FSA resulting from past testing operations conducted by the AEC. The FSA is an operational testing range currently being used by the U.S. Army to test military munitions. DU rounds are no longer tested at the FSA by the U.S. Army. Any additional response actions at the FSA beyond those which will be addressed by FUSRAP will be addressed when the range ceases to be operational unless releases from the FSA require an immediate response to protect human health or the environment. If such a condition is determined to exist, response actions will be implemented consistent with provisions of the FFA.”*

Groundwater monitoring of shallow well JAW-32 indicate that uranium has migrated to groundwater at the FSA. In November 2003, groundwater and surface-water sampling was conducted in off-site areas to address concerns about possible impacts to off-site groundwater resulting from past AEC activities at IAAAP. All uranium levels were below the human health risk-based screening level. Therefore, DU contamination at the FSA has not resulted in the migration of uranium to off-site areas via groundwater (USACE, 2011).

During both the RI and FS, a groundwater fate and transport evaluation for RDX and TNT demonstrated that no significant off-site transport has occurred, or is expected to occur, from the FSA via groundwater migration. The concentrations reaching groundwater are low primarily due to the features of the Firing Site 6 Area (USACE, 2011):

- The extent of the explosives contamination is limited. The explosives-contaminated soil present at the Firing Site 6 Area is confined to the immediate area surrounding the concrete structure at the northern end of the area (an area of approximately 0.09 acres) and is limited to a depth of 2 ft.
- The presence of relatively impermeable (clay-rich) soil.
- The average depth of the water table in the shallow till (approximately 8 ft bgs) is below the depth of the soil contamination (approximately 2 ft).

Therefore, the potential for RDX and TNT at the Firing Site 6 Area to leach from shallow soil into groundwater at levels exceeding their health-based PRG was determined to be minimal. The results of the groundwater fate and transport evaluation indicated that the projected concentrations at two downgradient locations, Long Creek and the boundary of the FSA, were below the health-based PRGs. It was concluded that significant groundwater contamination was not occurring and is not likely to occur in the future as a result of the limited amount of RDX- and TNT-contaminated soil at the Firing Site 6 Area (USACE, 2011).

Additionally, in order to assess the possibility of overland migration of contaminants from the FSA, surface sediment samples were collected from depositional areas along Long Creek and its tributaries. Long Creek runs through the FSA, with a portion being downgradient of the Firing Site 6 Area. The sediment samples were analyzed for DU, explosives, and metals. The sediment sample results did not exceed the PRG values and indicated no surface migration or transport of DU, explosives, or metals from the FSA (USACE, 2011).

During this 2007 study of the FSA, five samples were collected from within Long Creek and the tributary that travels north towards the IDA (IAAAP-020). All five of these samples were below the PRG for DU of 150 pCi/g.



On-site groundwater is not a source of drinking water. However, domestic/agricultural wells are present in off-site areas. In November 2003, groundwater and surface water sampling was conducted in off-site areas to address concerns about possible impacts to off-site groundwater resulting from past AEC activities at IAAAP. The samples were analyzed for both total and isotopic uranium. The conclusion drawn from these analyses was that isotopic ratios were not consistent with those expected of DU and that low levels of uranium detected were likely to be naturally occurring radioactive material (NORM). All uranium levels were below the human health risk-based screening levels as reported in the *2004 Draft Final Off-Site Groundwater FS* conducted by URS. Therefore, DU contamination at the FSA does not appear to have resulted in the migration of uranium to off-site areas via groundwater (USACE, 2011).

The FSA is shown on Plate 2, Appendix I.

#### **6.1.4 Storage Locations**

##### **6.1.4.1 Building 600-86 Septic System (IAAAP-038)**

Based on the limited documentation available on 600-86, the function of the laboratory during its operation was to perform drinking water and wastewater analyses, as well as analysis of primer mixes containing lead azide in quantities of 10 to 20 milligrams. The waste from the primer tests was deactivated with ceric ammonium nitrate and the resultant waste solution was disposed of in the Incendiary Disposal Area (IAAAP-013) [referred to by RAB website as Explosive Disposal Area (IAAAP-012), but IAAAP-012 is the East Burn Pads] (RAB, 2015).

The laboratory building was constructed with its own septic tank and drain. Sanitary waste was reported to be disposed in the building's septic system. Sludge was removed from the septic tank in 1983, and the tank was filled with sand. The sludge tested negative for toxicity characteristics (JAYCOR, 1996). The building was torn down under the FRP in 2006 (RAB, 2015).

RCRA closure has achieved remedial goals in soil and groundwater for all constituents of concern except lead (Tetra Tech, 2006). The primary focus of previous studies at this site focused on the septic system.

Building 600-86 is shown on Plate 2, Appendix I.

##### **6.1.4.2 Former Fuel Station (IAAAP-045)**

According to the *FY2005 Installation Action Plan for IAAAP*, annual groundwater sampling began in 1990. A Risk-Based Corrective Action (RBCA), Tier II report was prepared in accordance with Iowa regulations. After the contaminated soil was removed and the CAR submitted a No Further Action (NFA) certificate was received from the State of Iowa, dated 9 August 2004.

The Former Fuel Station is shown on Plate 2, Appendix I.

##### **6.1.4.3 Main Heating Plant**

During October 2002, an aerial radiological survey was conducted for IAAAP. Three areas of interest were studied; Yard E, FSA (IAAAP-030), and the coal pile for the MHP. This survey indicated high natural uranium levels within the coal pile compared to the land surrounding the MHP. The radioactivity observed at the coal pile is likely from NORM. According to the World Nuclear Association (Tomasko & Reidhauser, 2003):

*Long-lived radioactive elements such as uranium, thorium, and potassium, and any of their decay products, such as radium and radon are examples of NORM. These elements have always been present in the Earth's crust and atmosphere, and are concentrated in some places, such as uranium orebodies which may be mined.*

NORM also contained in coal and fertilizers and may be found in locations where these materials are used. Between the aerial radiological survey conducted by Tomasko & Reidhauser in 2002, then presented in the 2003 *Draft Final IAAAP Aerial Radiological Survey*, and sampling events presented by USATHAMA during the 1978 Installation Assessment of IAAAP, no off-site radiological contamination has been found (Tomasko & Reidhauser, 2003).

Drainage ditches were installed around the coal pile during the 1985 upgrades conducted to the MHP. Water from the drainage ditches are directed to the holding pond where it is then treated.

During the April 2015 site reconnaissance visit, black rock fragments, which appeared to be coal, were observed in the lake at the point where the tributary originating from the MHP enters the lake in the northeast section of the lake. No other visible evidence of contaminant migration to Mathes Lake was observed during this visit.

The MHP is shown on Plate 2, Appendix I.

#### **6.1.5 Non Department of Defense Sources**

Approximately 7,750 acres of the 19,127 acres which comprises IAAAP is leased for agricultural purposes (i.e., farming and livestock) (Tetra Tech, 2011a). Agricultural use at IAAAP cannot be ruled out as a potential contamination source entering Mathes Lake due to the nature of the topography and the heavy rains experienced, which can then in turn wash fertilizers into the surface waters entering Mathes Lake.

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## 7.0 EVALUATION OF CONTAINERIZED HTRW PRESENCE AND AREAS

### 7.1 GENERAL EVALUATION OF CONTAINERIZED HTRW PRESENCE

#### 7.1.1 Underground Storage Tanks

There is no CON/HTRW located at Mathes Lake. There were upgradient CON/HTRW sources located at the Former Fuel Station (IAAAP-045) prior to the decommissioning of this facility.

A review of the Iowa UST list, as provided by EDR and dated 10 March 2015, has indicated that 17 Iowa UST sites are present within approximately 4 miles of the Mathes Lake perimeter (EDR, 2015).

A review of past environmental studies indicated the past presence of USTs utilized by IAAAP. Currently no information has been located indicating any environmental concerns with the USTs surrounding Mathes Lake.

A review of the Iowa LUST list, as provided by EDR and dated 10 March 2015, has revealed that ten Iowa LUST sites are present within approximately 4 miles of the Mathes Lake perimeter (EDR, 2015).

Of these ten LUST locations, only one could have a potential impact to the environmental conditions of Mathes Lake. This location is the Former Fuel Station (IAAAP-045) located in the northern section of the facility. Per the *FY2005 Installation Action Plan for IAAAP* presented by IAAAP and USAEC, annual groundwater sampling began in 1990 at the Former Fuel Station and approximately 520 yd<sup>3</sup> of contaminated soil has been removed from the site. On 9 August 2004 the State of Iowa issued a NFA certificate. The Former Fuel Station is NFA for soils and water media under the IRP.

During the time of operation at the Former Fuel Station (IAAAP-045), there were a total of ten USTs, which are listed in Table 7-1.

**Table 7-1 USTs Identified at the Former Fuel Station (IAAAP-045)**

Tank Number	Status	Date constructed (c) or removed (r)	Size (gallons)	Contents
#1	Removed	September 1988 (r)	10,000	Diesel
#2		November 1988 (r)	9,000	Gasoline
#3		November 1988 (r)	9,000	Gasoline
#4		November 1989 (c)	10,000	Diesel
#5		November 1989 (c)	10,000	Diesel
#6		November 1989 (c)	10,000	Gasoline
#7		1983 (r)	2,500	Gasoline
#8		1983 (r)	2,500	Gasoline
#9		1983 (r)	1,000	Kerosene
#10		1987 (r)	1,000	Kerosene

### 7.1.2 Aboveground Storage Tanks

According to JAYCOR within the 1993 Site Characterization Report R04-R11 (i.e., Sites IAAAP-004 through IAAAP-011) and Line 8 (IAAAP-009) once utilized ASTs, which were located in a tank farm. All 13 ASTs at the time of this report had been dismantled and no additional information regarding the size of the tanks could be located.

Based on the 2015 EDR Radius Atlas <sup>TM</sup>, there are two ASTs within a 5-mile radius of Mathes Lake. Each of these ASTs is located well outside the Long Creek watershed which Mathes Lake is situated. Based on an aerial survey of the facility, there appears to be one tank identified at the MHP. This unregulated tank is used for make-up water for steam generation. Other tanks identified through aerial reconnaissance are located on the IAAAP property and are also for water storage.

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## 8.0 PATHWAY AND ENVIRONMENT HAZARD EVALUATION

This section evaluates the potential for adverse impact to human health and the environment based on site-specific conditions. The site-specific conditions for topography, geology and soils, hydrology and hydrogeology, climate, sensitive species and environments, cultural and archaeological resources, and demographics were presented in Section 2.0.

**Plates 3, 4, 5, 7, and 8** show the land use, well locations, population, topography, and hydrography (respectively) of Mathes Lake and surrounding area.

- **Plate 3** shows the land use surrounding the property is primarily industrial, agricultural, and forest.
- **Plate 4** shows the well locations within the specified radii from Mathes Lake. The closest public or municipal wells are located more than 1.5 miles from Mathes Lake perimeter.
- **Plate 5** illustrates the population surrounding the IAAAP.
- **Plate 7** indicates topography slopes to Mathes Lake along the shoreline.
- **Plate 8** shows the surface water flow pattern within a 15-mile segment downstream of Mathes Lake.

### 8.1 GROUNDWATER PATHWAY

Groundwater can potentially serve as a contaminant transport mechanism that may impact surface water bodies, drinking water supplies, vegetation, and sensitive environments such as wetlands. The likelihood of exposure is influenced by such factors as the volume and concentration of contaminants in soil at the ground surface that can be transported to the groundwater, site-specific geology, climate, and the future land use.

#### 8.1.1 Hydrogeologic Setting of Groundwater

In Des Moines County, there are four principal aquifers: the surficial soils aquifer and the bedrock aquifers of Mississippian, Devonian, and Cambro-Ordovician units. The shallow surficial soil aquifer at IAAAP occupies the glacial drift of the upland plain and the drift and alluvium in the majority of the drainages; it does not typically occupy the loess. The shallow surficial soil aquifer is predominantly clay-rich glacial drift that exhibits low hydraulic conductivity and yields only small quantities of groundwater to wells (Tetra Tech, 2011a).

Depth to the water table in the drift is generally less than 10 to 15 ft bgs. Shallow groundwater flow typically mimics surface topography. Observations (e.g., boring logs, slug test data, and purge data) from other sites indicate that flow in the glacial drift is highly retarded due to the high clay content and is predominantly horizontal. Hydraulic conductivities in the glacial drift are highly variable across the facility, and are dependent largely on the occurrence (or lack) of more permeable zones, which are not known to be continuous over large areas (Tetra Tech, 2011a).

Minimal information on hydrogeologic conditions in the bedrock aquifers underlying the surficial soil was available. Facility-wide groundwater levels suggest that overall flow direction in the bedrock is to the south and east toward the Skunk and Mississippi Rivers, when not intercepted by incised surface drainages (Tetra Tech, 2011a).

Water in the Devonian and Cambro-Ordovician aquifers is reported to be highly mineralized and objectionably hard and contain high amounts of total dissolved solids. Water temperatures are

reported to be higher (averaging 72°F) than other rock aquifer sources (typically ranging from 55 to 60°F) (Tetra Tech, 2011a).

### 8.1.2 Groundwater Receptors

The Iowa well database had limited information available as to the number and type of wells recorded throughout the Des Moines County area. The following statement was identified while conducting an extensive well search from IDNR website within the Private Well Program – Well Logs section:

*“One common question that we routinely answer relates to the availability of information about all water wells found within our state. Unfortunately, the state does not maintain a single data source that provides well information for every well that has been installed throughout history – This type of information does not exist.”*

In an effort to work around this situation, additional sources were investigated [i.e., Iowa Geological Survey, USGS, and past IAAAP reports] and compiled to determine the current well placements in regard to Mathes Lake.

After compiling these resources, the following wells were identified within a 4-mile radius of Mathes Lake and presented in Table 7-1.

**Table 8-1 Wells within a 4-mile radius of Mathes Lake**

Well Type	Count
Monitoring	281
Household Use	34
Municipal	3
Irrigation	2
Other	83

Wells located within a 4-mile radius of the Mathes Lake perimeter are presented in Plate 4, Appendix I.

From 1941 through 1977, IAAAP used Mathes Lake as a drinking water source. In 1977, IAAAP began receiving drinking water from the City of Burlington. Prior to the early 1990s, all local residents south and southeast of the installation used private wells for drinking and irrigation. After groundwater contamination was documented in 1992, all potentially-impacted households were afforded the opportunity to connect to the Rathbun Rural Water System at the Army's expense. Not all residents accepted the connection; fifteen residents declined. By the fall of 1994, 154 residents living south and southeast of IAAAP were connected to the Rathbun Rural Water System. Rathbun water is filtered and treated to meet all Federal and State drinking water standards (Tomasko & Reidhauser, 2003). In 2001, IAAAP provided connections to the public water supply for several homeowners who declined in 1994 (EDR, 2015).

Water for IAAAP is purchased under a long-term contract with the Burlington Regional Water Works, which draws water from the Mississippi River. The Burlington Municipal Water Works has the capacity to treat fifteen million gallons per day. Its peak demand, which occurs in summer, is about twelve million gallons per day. Water is pumped to the City of Burlington's distribution center from the water treatment plant. The water is then pumped to a series of

storage towers. The primary storage tower has a 1-million gallon capacity. Electrical pumps throughout the IAAAP distribute water to the various sites (GST & BT, 2007).

### **8.1.3 Groundwater Conclusions**

Based on the presence of groundwater wells in the vicinity of Mathes Lake, it is possible the groundwater pathway is complete.

Past sampling records of within Mathes Lake, around the shorelines of the lake, and downgradient are limited. Between the period of 1991 and 2004 various sampling events upgradient of Mathes Lake have shown detections for lead, nitrobenzene, HMX, and DU within the groundwater.

Potential HTRW contamination could include metals, explosives, radiological contaminants including DU, and other contaminants from past production activities and testing operations. The effects of runoff from the coal pile south of the MHP, which leads directly to a tributary that feeds into Mathes Lake, also presents a viable potential for contamination. The relatively shallow depth of groundwater on-site could allow contaminants, if present in soil, to have leached to groundwater.

Potential contamination from CON/HTRW, including petroleum products from LUSTs and the associated supply lines, do not appear to impact Mathes Lake due to natural attenuation mechanism and past remedial actions at the Former Fuel Station (IAAAP-045) through removal of contaminated soils.

Groundwater analytical results reviewed for this PA do not suggest that groundwater is being adversely affected by Mathes Lake; however, data used for this report was dated and may not be representative of current site conditions.

## **8.2 SURFACE WATER PATHWAY**

Most of the surface water across the IAAAP is drained by three major streams (Brush Creek, Long Creek, and Spring Creek) that divide the facility into four drainage basins trending northwest to southeast. There is also an unnamed tributary that drains the southwestern portion of the IAAAP and discharges into Skunk River, and Little Flint Creek which drains a small portion of the northern area of the site. There are many ponds and small surface water impoundments across the IAAAP site. There are several sloped areas and storm water drainage ditches that convey storm water runoff and eventually discharge into Brush Creek. Long Creek drains the western portion of the facility, flowing into Mathes Lake, and exiting the site along the southern boundary where it discharges into Skunk River, which ultimately discharges into the Mississippi River. Brush Creek drains the central portion of the site and Spring Creek drains the eastern portion of the site. Both creeks exit the site toward the southeastern boundary and continue to flow southeasterly for approximately four miles where they discharge into the Mississippi River (USACE, 2008). Because Mathes Lake is situated on Long Creek, only the Long Creek watershed was considered during this PA.

Surface water can potentially serve as a contaminant transport mechanism that may impact surface water bodies, sediment, drinking water supplies off-site, vegetation, and sensitive environments such as wetlands. In the case of Mathes Lake, surface water also likely recharges shallow groundwater.

Potential surface water exposure pathways include incidental ingestion and dermal contact.

### **8.2.1 Hydrogeologic Setting of Surface Water**

Perennial surface water is present throughout the entire IAAAP property. Three major creeks (i.e., Long, Brush, and Spring) run northwest to southeast through IAAAP. Between these creeks, Skunk River, and Little Flint Creek (outside IAAAP property to the north); they form five watersheds that eventually drain south to the Mississippi River.

Wetlands are present predominately to the south of IAAAP, along Skunk River and east towards the Mississippi River. Sparse wetlands are also found along the western section of IAAAP and the southeastern area as shown in Plate 7 and 8, Appendix I.

### **8.2.2 Surface Water Receptors**

As stated in Section 2.3.4, annual precipitation ranges from 23.6 inches to 49.9 inches of rain. Precipitation tends to fall heavily within this area. If surface water flow has sufficient intensity, overland flow will reach the streams, lakes, and ponds present at IAAAP and the various State parks south of the property.

Direct contact with surface water may occur during recreational activities (i.e., fishing, boating, hunting, and/or hiking) on and around Mathes Lake. Authorized visitors; which may include IAAAP employees, contractors, military representatives, or the public, may hike around the lake, fish, canoe, wade, or engage in other recreational activities in the vicinity of Mathes Lake. Operation and Maintenance of the dam associated with Mathes Lake may also require access to the lake. Since IAAAP is an active, secured facility, access to Mathes Lake is controlled by IAAAP. Fishing and hunting permits are also required and are managed through IAAAP.

### **8.2.3 Surface Water Conclusions**

Based on the topography around Mathes Lake, and the numerous waterways entering Mathes Lake, it is possible the surface water pathways are complete.

With the seasonally heavy rains that occur within this region and relatively steep gullies along the tributaries to Mathes Lake, it is highly likely for surface water to travel off-site without reaching groundwater. Potentially contaminated sediments and soils may also be eroded and transported off-site within surface waters during times of high runoff. Any potential contaminants found in Mathes Lake are likely to be transported off-site by the surface water.

Upgradient agricultural land use may also be a source of contamination to Mathes Lake (i.e., pesticides, fertilizers, etc.).

## **8.3 SEDIMENT PATHWAY**

Because Mathes Lake was formed by damming Long Creek, significant sedimentation has occurred resulting in a significant reduction in the lake depth and area since it was constructed. Sediment is deposited along the lake bottom in layers. These layers present an insight to past conditions present at the time of formation. As the sediment builds-up and water recedes, sediment is exposed to the environment leading to the drying of the sediment. Strong winds may pick-up the sediments and transport them across the land. Accumulated sediments may be transported downstream especially during storm events.

The likelihood of exposure is influenced by such factors as the volume and concentration of contaminated sediment exposed at the ground surface, site-specific geology, climate, and the expected future land use.



### 8.3.1 Sediment Receptors

Potential sediment exposure pathways include incidental ingestion, dermal contact, and inhalation of re-suspended particulates by human and ecological receptors when the sediment dries and becomes airborne, as well as leaching to the groundwater. Sediment may also be contacted by humans during recreational activities at Mathes Lake.

### 8.3.2 Sediment Conclusions

Based on the data reviewed for the PA, there is no evidence that sediment in Mathes Lake has been impacted. The 2007 FUSRAP FS concluded that there were no exceedances of DU present in the Long Creek samples, but this event was limited to the FUSRAP boundaries.

Evidence of coal in Mathes Lake suggests that sediments may be impacted with coal residue. Agricultural land uses may also be a source of contaminants (i.e., pesticides, fertilizers, etc.) to Mathes Lake. NORM associated with coal, fertilizers, and natural sources may be present in lake sediments.

## 8.4 AIR PATHWAY

It is possible any contamination present in dried sediment, could become airborne, and human and ecological receptors could be exposed through inhalation or dermal contact. Therefore, the air pathway is considered to a potentially complete pathway.

## 8.5 AQUATIC ORGANISM PATHWAY

On 6 August 2011, IDNR Fisheries Biologists collected samples of snapping turtles under the Regional Ambient Fish Tissue (RAFT) monitoring program for Iowa. The tissue was analyzed for mercury, PCBs, and chlordane by USEPA Region VII laboratory in Kansas City, Kansas. Results for mercury [0.134 milligram per kilogram (mg/kg)] were below the FDA action level of 1.0 mg/kg. PCBs and chlordane were non-detects at all locations sampled under this study (IDNR, 2011).

Mathes Lake is open to fishing for recreational purposes. Consumption of fish or other aquatic organisms from Mathes Lake is considered a potential exposure pathway. Because Mathes Lake is restricted, access to the lake is controlled by IAAAP.

According to the BERA, explosives and metals were not detected in fish tissue from the southern location. Dieldrin was the only pesticide detected in Long Creek fish (MWH, 2004).

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## **9.0 SUMMARY AND CONCLUSIONS**

### **9.1 HTRW**

Based on a review of available documentation conducted for this PA, it is evident that the potential exists for HTRW contamination in Mathes Lake. Potential contamination could originate from upstream IAAAP operations. Soil and groundwater contamination has been documented at various upgradient source areas. Potential sources consist of IAAAP production line operations, landfills, testing sites, and storage locations for various types of waste and materials. Most potential source areas have been addressed through previous remedial actions and are being monitored through LTM programs.

Other than the coal observed during the April 2015 site reconnaissance visit in the northeast reaches of Mathes Lake, where the tributary originating near the MHP enters Mathes Lake, no evidence has been located during the completion of this PA indicating that potential upgradient source areas in the Long Creek watershed have resulted in adverse impacts to Mathes Lake. NORM originating from coal or natural sources may also be present in Mathes Lake.

Past environmental investigations have included surface water, sediment, groundwater, and aquatic organism sampling in and around Mathes Lake. No evidence of contamination at Mathes Lake was determined by these events. However, the sampling events were typically not focused on evaluating Mathes Lake and do not provide a comprehensive summary of conditions at Mathes Lake. In addition, much of the data is old and cannot be verified.

Based on a review of potential upstream source areas, the potential for various types of contaminants with the surface water, groundwater, sediment, air, and aquatic organisms associated with Mathes Lake cannot be ruled out because of the data limitations previously mentioned. If contaminants are present in sufficient concentrations to pose a risk to human or ecological receptors, these receptors would be affected as the various receptor pathways appear to be complete.

In order to accurately determine whether Mathes Lake has been adversely impacted by operations at IAAAP, a SI is recommended to perform an investigation and sampling of various media within Mathes Lake. The purpose of the SI will be to conclusively determine whether any further action is required at Mathes Lake based on current conditions in the lake as determined by environmental sampling performed during the SI.

### **9.2 CON/HTRW**

Historical documentation indicates four 10,000-gallon, two 9,000-gallon, two 2,500-gallon, and two 1,000 gallon fuel (i.e., gasoline, kerosene, and diesel) USTs were present on-site in an underground fuel supply system located at the Former Fuel Station (IAAAP-045). Currently all USTs associated to the Former Fuel Station have been removed and associated LUST conditions have been remediated. The remediation process was followed by a CAR and the State of Iowa issued a NFA for this location.

Therefore, no further investigation is warranted in regard to CON/HTRW for Mathes Lake.

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## APPENDIX A.

### References

This appendix contains the references reviewed in the preparation of the Preliminary Assessment for Mathes Lake, Des Moines County, Middletown, Iowa.

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## **APPENDIX B.**

### **Abbreviations and Acronyms**

This appendix contains the abbreviations and acronyms used in the Preliminary Assessment for Mathes Lake, Des Moines County, Middletown, Iowa.

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600-86	Building 600-86
°F	degrees Fahrenheit
µg/L	micro-grams per liter
%	percent
AEC	Atomic Energy Commission
AET	Advanced Environmental Technology
AO	American Ordnance LLC
AST	aboveground storage tank
ATSDR	Agency for Toxic Substances and Disease Registry
BERA	Baseline Ecological Risk Assessment
bgs	below ground surface
CAR	Corrective Action Report
CCL	Contaminated Clothing Laundry
CDL	Construction Debris Landfill
CERCLIS	Comprehensive Environmental Response, Comprehensive, Liability Information System
CON/HTRW	Containerized/Hazardous, Toxic, and Radioactive Waste
CORRACTS	Corrective Action Sites
CWP	Contaminated Waste Processor
D-38	DU-238
D&M	Dames & Moore
DNT	2,4-dinitrotoluene
DU	depleted uranium
EDR	Environmental Data Resources, Inc.
ERG	Environmental Research Group, Inc.
ESD	Explanation of Significant Differences
ETC	The Earth Technology Corporation
EWI	Explosive Waste Incinerator
FFA	Federal Facilities Agreement
ft	feet/foot
FS	Feasibility Study
FRP	Facilities Reduction Program
FSA	Firing Site Area

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FUSRAP	Formerly Utilized Sites Remedial Action Program
GOCO	government-owned/contractor-operated
GSA & BT	Gene Stout & Associates and Blythe & Trousil, Inc.
GSR	Groundwater Sampling Report
GW	groundwater
H&S	H&S Environmental, Inc.
Harza	Harza Engineering Company
HMX	octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
HTRW	Hazardous, Toxic, and Radioactive Waste
hydro-shot	701 hydrodynamic shots
IAAAP	Iowa Army Ammunition Plant
IAG	Interagency Agreement
IDs	identifications
IDA	Inert Disposal Area
IDNR	Iowa Department of Natural Resources
IROD	Interim Action Record of Decision
IRP	Installation Restoration Plan
LAP	load, assemble, and pack
LUST	leaking underground storage tanks
LTM	Long Term Monitoring
LX-14	polymer-based explosive
mg/kg	milligram per kilogram
MEC	munitions and explosives or concern
MHP	Main Heating Plant
MIT	Massachusetts Institute of Technology
MKM	MKM Engineers, Inc.
msl	mean sea level
MWH	MWH Americas Inc.
NFA	no further action
NOAA	National Oceanic and Atmospheric Administration
NORM	Naturally Occurring Radioactive Material
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List

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NRCS	Natural Resources Conservation Service
NWS	National Weather Service
OU-1	Soils Operable Unit
OU-6	On-site Groundwater Operable Unit
PA	Preliminary Assessment
PBX	plastic-bonded RDX
PCBs	polychlorinated biphenyls
pCi/g	pico-curies per gram
PHA	public health announcements
PRGs	preliminary remedial goals
RA	Remedial Action
RAB	Restoration Advisory Board
RAFT	Regional Ambient Fish Tissue
RBCA	Risk-Based Corrective Action
RCRA	Resource Conservation and Recovery Act
ROD	Record of Decision
RD	Remedial Design
RI	Remedial Investigation
RSL	residential screening level
SAIC	Science Applications International Corporation
SARA	Superfund Amendments and Reauthorization Act
SCR	Site Characterization Report
SD	sediment
Shaw	Shaw Environmental, Inc.
SI	Site Investigation
SPC	Storm Prediction Center
STP	Sewage Treatment Plant
SVOCs	semi-volatile organic compounds
SW	surface water
Tetra Tech	Tetra Tech, Inc.
tetryl	2,4,6-Trinitrophenylmethylnitramine
TNT	trinitrotoluene
TSD	treatment, storage, disposal

UGISS & RF	University Geographic Information Systems Support and Research Facility
USACE	United States Army Corps of Engineers
USAEHA	United States Army Environmental Hygiene Agency
USATHAMA	United States Army Toxic and Hazardous Materiel Agency
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Society
UST	underground storage tank
VOCs	volatile organic compounds
WWII	World War II
yd <sup>3</sup>	cubic yards

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## APPENDIX C.

### Glossary

This appendix contains the glossary of terms used in the Preliminary Assessment for Mathes Lake, Des Moines County, Middletown, Iowa.

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**CERCLA**—Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986. 40 CFR 300.

**Containerized/Hazardous, Toxic, and Radiological Waste (CON/HTRW)**—Waste containerized in underground storage tanks (USTs) or aboveground storage tanks (ASTs); also includes investigative derived waste (IDW), abandoned inactive monitoring wells, incidental removal of contaminated soils resulting from leaking USTs or other containers. Waste contained in drums is considered HTRW, not CON/HTRW.

**Drinking water supply**—Any raw or finished water source that is, or may be used by, a public water system (as defined in the Safe Drinking Water Act [42 U.S.C. 300f et seq.]) or as drinking water by one or more individuals. 42 USC 9601.

**Feasibility Study (FS)** — After a site is listed on the National Prioritization List, a Remedial Investigation (RI)/FS is performed at the site. The FS serves as the mechanism for the development, screening, and detailed evaluation of alternative remedial actions using the site characterization and risk assessment data developed in the RI.

**Formerly Utilized Sites Remedial Action Program (FUSRAP)** — The FUSRAP was initiated in 1974 to identify, investigate and clean up or control sites through the United States that had become contaminated from the nation's early atomic weapons and energy programs during the 1940s, 1950s and 1960s. FUSRAP focuses on protecting human health, public safety and the environment at these sites, contaminated with low-level radioactive materials, throughout the investigation and cleanup phases.

**Groundwater**—Water in a saturated zone or stratum beneath the surface of land or water. 42 USC 9601.

**Hazardous waste**—A solid waste, or combination of solid wastes, which, because of its quantity, concentration, or physical, chemical, or infectious characteristics may cause, or significantly contribute to, an increase in mortality, an increase in serious irreversible illness, or incapacitating reversible illness; or pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed. 42 USC 9601 and 42 USC 6903.

**Interim Action Record of Decision (IROD)**—A IROD is a legal document describing final or interim action selected for a CERCLA site or a portion of a site (e.g., operable unit). The IROD is a public document that: certifies that the remedy selection process was carried out in accordance with CERCLA and the National Contingency Plan (NCP); describes the technical parameters of the remedy, specifying the methods selected to protect human health and the environment; provides the public with a consolidated summary of information about the site and the chosen remedy, including the rationale behind the selection; and, meets the requirements and schedules specified in the FFA which were established under CERCLA Section 120.

**National Priorities List (NPL)**—The list, compiled by USEPA, pursuant to CERCLA section 105, of uncontrolled hazardous substance releases in the US that are priorities for long-term remedial evaluation and response. 40 CFR 300.

**Preliminary Assessment (PA)**— The PA is intended to determine whether a sites poses little or no threat to human health and the environment or if it does pose a threat, whether the

threat requires further investigation. PA investigations collect readily available information about a site and its surrounding area. The PA is designed to distinguish, based on limited data, between sites that pose little or no threat to human health and the environment and sites that may pose a threat and require further investigation. The PA also identifies sites requiring assessment for a possible response action. If the PA results in a recommendation for further investigation, a Site Inspection is performed. 40 CFR 300.

**Public Health Announcements (PHA)**—Public Health Assessment; The evaluation of data and information on the release of hazardous substances into the environment in order to assess any [past], current, or future impact on public health, develop health advisories or other recommendations, and identify studies or actions needed to evaluate and mitigate or prevent human health effects (42 Code of Federal Regulations, Part 90, published in 55 Federal Register 5136, February 13, 1990).

**PA Pollutant (or contaminant)**—Any element, substance, compound, or mixture, including disease-causing agents, which after release into the environment and upon exposure, ingestion, inhalation, or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains, will or may reasonably be anticipated to cause death, disease, behavioral abnormalities, cancer, genetic mutation, physiological malfunctions (including malfunctions in reproduction) or physical deformations, in such organisms or their offspring; except that the term “pollutant or contaminant” shall 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 paragraph (14) and shall not include natural gas, liquefied natural gas, or synthetic gas of pipeline quality (or mixtures of natural gas and such synthetic gas). 42 USC 9601.

**Remedial Actions (RA)**—RA follows the remedial design phase and involves the actual construction or implementation phase of Superfund site cleanup. Action taken to clean up contamination at a site to acceptable standards.

**Remedial Design (RD)**—RD is the phase in Superfund site cleanup where the technical specifications for cleanup remedies and technologies are designed.

**Remedial Investigation (RI)**—After a site is listed on the National Prioritization List, a RI/Feasibility Study (FS) is performed at the site. The RI serves as the mechanism for collecting data to: characterize site conditions; determine the nature of the waste; assess risk to human health and the environment; and conduct treatability testing to evaluate the potential performance and cost of the treatment technologies that are being considered.

**SARA (Superfund Amendments and Reauthorization Act of 1986)**—In addition to certain free-standing provisions of law, it includes amendments to CERCLA, the Solid Waste Disposal Act, and the Internal Revenue Code. Among the free-standing provisions of law is Title III of SARA, also known as the “Emergency Planning and Community Right-to-Know Act of 1986” and Title IV of SARA, also known as the “Radon Gas and Indoor Air Quality Research Act of 1986.” Title V of SARA amending the Internal Revenue Code is also known as the “Superfund Revenue Act of 1986.” 40 CFR 300.

**Site Inspection (SI)**—An on-site investigation to determine whether there is a release or potential release and the nature of the associated threats. The purpose is to augment the data collected in the PA and to generate, if necessary, sampling and other field data to determine if further action or investigation is appropriate. 40 CFR 300.

## **APPENDIX D.**

### **Aerial Photography**

This appendix contains aerial photographs from 1930, 1960, 1970, 1980, 1990, 2004, and 2014 used in the Preliminary Assessment for Mathes Lake, Des Moines County, Middletown, Iowa.



Source: Iowa State University Geographic Information Systems Support and Research Facility, Iowa Department of Natural Resources, the USDA Natural Resources Conservation Service, Massachusetts Institute of Technology.



1930 Aerial Imagery		
Mathes Lake Iowa Army Ammunition Plant (IAAAP)		
<b>H &amp; S Environmental, Inc.</b> 160 East Main Street, Suite 2F, Westborough, MA 01581		
0 600 1,200 Feet 1 inch = 1,200 feet	Date: 07/02/2015	Figure 1





Source: Iowa State University Geographic Information Systems Support and Research Facility, Iowa Department of Natural Resources, the USDA Natural Resources Conservation Service, Massachusetts Institute of Technology.



1960 Aerial Imagery		
Mathes Lake Iowa Army Ammunition Plant (IAAAP)		
<b>H &amp; S Environmental, Inc.</b> 160 East Main Street, Suite 2F, Westborough, MA 01581		
0 600 1,200 Feet 1 inch = 1,200 feet	Date: 07/02/2015	Figure 2





**Legend**



Mathes Lake (Total Area = 88.74 acres)

Source: Iowa State University Geographic Information Systems Support and Research Facility, Iowa Department of Natural Resources, the USDA Natural Resources Conservation Service, Massachusetts Institute of Technology.




1960 Aerial Imagery - Acreage		
Mathes Lake Iowa Army Ammunition Plant (IAAAP)		
<b>H &amp; S Environmental, Inc.</b> 160 East Main Street, Suite 2F, Westborough, MA 01581		
0      600      1,200 Feet 1 inch = 1,200 feet	Date: 07/02/2015	Figure 2





Source: Iowa State University Geographic Information Systems Support and Research Facility, Iowa Department of Natural Resources, the USDA Natural Resources Conservation Service, Massachusetts Institute of Technology.




1970 Aerial Imagery		
Mathes Lake Iowa Army Ammunition Plant (IAAAP)		
<b>H &amp; S Environmental, Inc.</b> 160 East Main Street, Suite 2F, Westborough, MA 01581		
0 600 1,200 Feet 1 inch = 1,200 feet	Date: 07/02/2015	Figure 3
		





Source: Iowa State University Geographic Information Systems Support and Research Facility, Iowa Department of Natural Resources, the USDA Natural Resources Conservation Service, Massachusetts Institute of Technology.



1980 Aerial Imagery		
Mathes Lake Iowa Army Ammunition Plant (IAAAP)		
<b>H &amp; S Environmental, Inc.</b> 160 East Main Street, Suite 2F, Westborough, MA 01581		
0 600 1,200 Feet 1 inch = 1,200 feet	Date: 07/02/2015	Figure 4
		





Source: Iowa State University Geographic Information Systems Support and Research Facility, Iowa Department of Natural Resources, the USDA Natural Resources Conservation Service, Massachusetts Institute of Technology.




1990 Aerial Imagery		
Mathes Lake Iowa Army Ammunition Plant (IAAAP)		
<b>H &amp; S Environmental, Inc.</b> 160 East Main Street, Suite 2F, Westborough, MA 01581		
0 600 1,200 Feet 1 inch = 1,200 feet	Date: 07/02/2015	Figure 5





Source: Iowa State University Geographic Information Systems Support and Research Facility, Iowa Department of Natural Resources, the USDA Natural Resources Conservation Service, Massachusetts Institute of Technology.





2004 Aerial Imagery		
Mathes Lake Iowa Army Ammunition Plant (IAAAP)		
<b>H &amp; S Environmental, Inc.</b> 160 East Main Street, Suite 2F, Westborough, MA 01581		
0 600 1,200 Feet 1 inch = 1,200 feet	Date: 07/02/2015	Figure 6
		







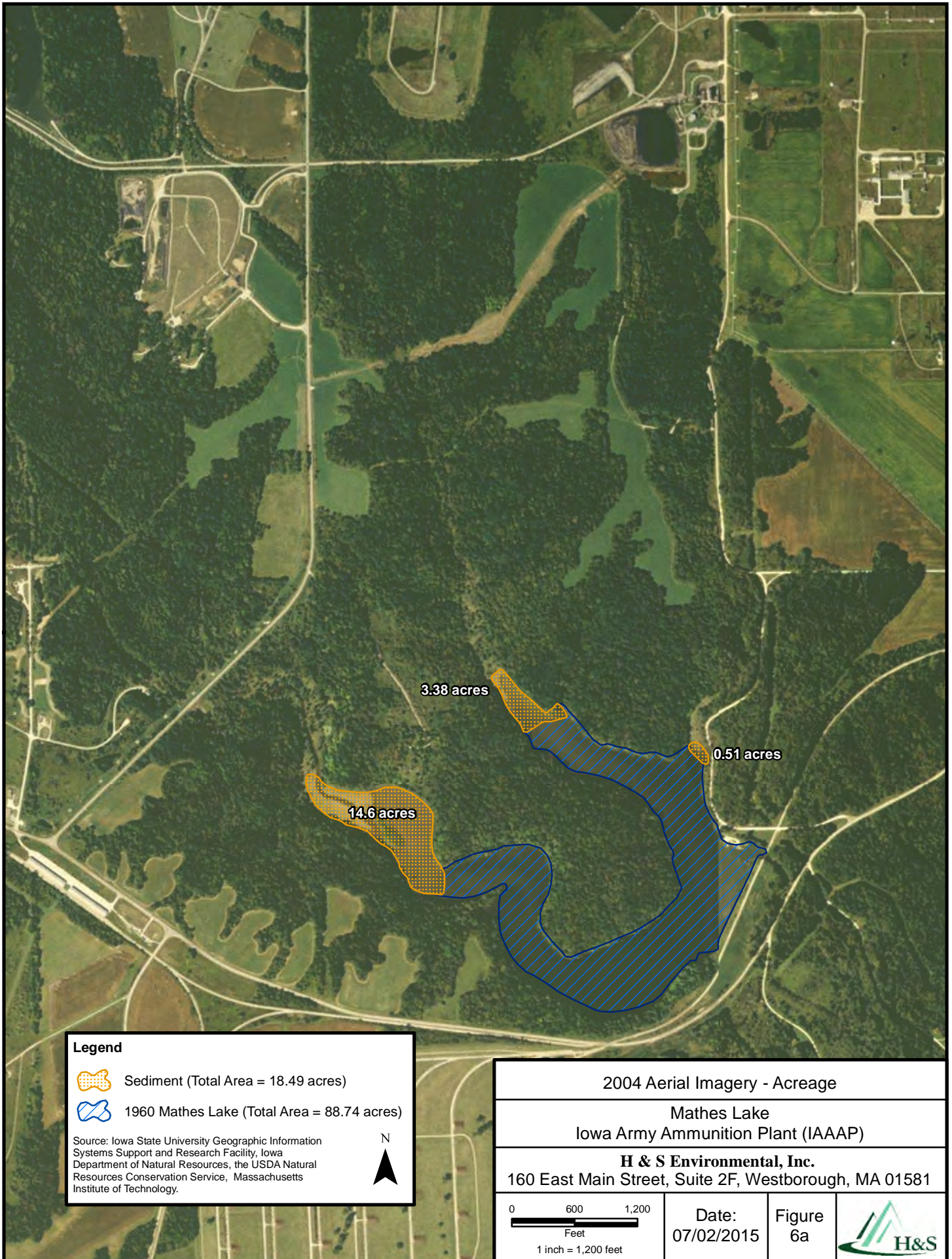
**Legend**

 Sediment (Total Area = 18.49 acres)



Source: Iowa State University Geographic Information Systems Support and Research Facility, Iowa Department of Natural Resources, the USDA Natural Resources Conservation Service, Massachusetts Institute of Technology. 

2004 Aerial Imagery - Acreage		
Mathes Lake Iowa Army Ammunition Plant (IAAAP)		
<b>H &amp; S Environmental, Inc.</b> 160 East Main Street, Suite 2F, Westborough, MA 01581		
0      600      1,200  Feet 1 inch = 1,200 feet	Date: 07/02/2015	Figure 6a
		






**Legend**

-  Sediment (Total Area = 18.49 acres)
-  1960 Mathes Lake (Total Area = 88.74 acres)

Source: Iowa State University Geographic Information Systems Support and Research Facility, Iowa Department of Natural Resources, the USDA Natural Resources Conservation Service, Massachusetts Institute of Technology.

N  
▲

2004 Aerial Imagery - Acreage		
Mathes Lake Iowa Army Ammunition Plant (IAAAP)		
<b>H &amp; S Environmental, Inc.</b> 160 East Main Street, Suite 2F, Westborough, MA 01581		
0      600      1,200 Feet 1 inch = 1,200 feet	Date: 07/02/2015	Figure 6a
		





Source: Iowa State University Geographic Information Systems Support and Research Facility, Iowa Department of Natural Resources, the USDA Natural Resources Conservation Service, Massachusetts Institute of Technology.



2014 Aerial Imagery		
Mathes Lake Iowa Army Ammunition Plant (IAAAP)		
<b>H &amp; S Environmental, Inc.</b> 160 East Main Street, Suite 2F, Westborough, MA 01581		
0 600 1,200 Feet 1 inch = 1,200 feet	Date: 07/02/2015	Figure 7



**APPENDIX E.****Interviews**

This appendix contains interviews from various Restoration Advisory Board (RAB) members in preparation of the Preliminary Assessment for Mathes Lake, Des Moines County, Middletown, Iowa.

1. Interview questionnaires were emailed to the following RAB members in advance of the October 2014 RAB meeting:
  - Mr. George Dieckmann, Dated 1 October 2014
  - Mr. Thurman Huffman, Dated 1 October 2014
  - Mr. Alan Koenig, Dated 1 October 2014
  - Mr. Vaughn Moore, Dated 1 October 2014
  - Mr. Hans K. Trousil, Mayor, Dated 1 October 2014
  - Mr. Sandeep Mehta, Dated 1 October 2014
  - Ms. Melenie Wonderlich, Dated 6 October 2014
  - Mr. Bruce Workman, Dated 1 October 2014
2. Written response from community member.
  - Mr. Harold McNeece, Dated 1 October 2014.
3. Interviews conducted following the 21 October 2014 RAB meeting:
  - Interview with Mr. Vaughn Moore, Ms. Paula Graham, Mr. Thurman Huffman, and Mr. Mark Hagerla (RAB Members). Interviewer: Sean Chelius [H&S Environmental, Inc. (H&S) Project Geologist] dated 21 October 2014.
4. Interviews conducted following the 21 April 2015 RAB meeting:
  - Interview with Mr. Vaughn Moore (RAB Member). Interviewers: Patrick Schauble (H&S Project Manager) and Stephen Deeter (H&S Project Geologist) dated 21 April 2015.

5. A telephone interview was conducted as a follow-up to October 2014 interview

- Telephone interview with Mr. Vaughn Moore (RAB Member).  
Interviewer: Christopher C. Hikel (H&S Project Engineer) dated 15 July 2015.

*This space is intentionally left blank.*

**1. October 2014 RAB Member Interviews**

Mr. George Dieckmann  
Army Retired

1718 South Main Street  
Burlington, IA 52601

319-752-4924

gdieck@thebrewright.com

1 October 2014

- Refer to
  - RAB Member Interview Letter, Attachment 1
  - Interview Questionnaire, Attachment 2
- To date a response to the questionnaire has not been provided.

Mr. Thurman Huffman  
Former IAAAP Security Guard

122 South Melrose Court  
West Burlington, IA 52655

319-752-0890

1 October 2014

- Refer to
  - RAB Member Interview Letter, Attachment 3
  - Interview Questionnaire, Attachment 2
- To date a response to the questionnaire has not been provided.

Mr. Alan Koenig  
Retired, former Draftsman for IAAAP  
operating contractor

14876 Washington Road, Lot 73  
West Burlington, IA 52655

319-850-2627

1 October 2014

- Refer to
  - RAB Member Interview Letter, Attachment 4
  - Interview Questionnaire, Attachment 2
- To date a response to the questionnaire has not been provided.

Mr. Vaughn Moore  
Retired, former IAAAP Security Guard

14876 Washington Road, Lot 140  
West Burlington, IA 52655

319-753-0349

1 October 2014

- Refer to
  - RAB Member Interview Letter, Attachment 5
  - Interview Questionnaire, Attachment 2
- To date a response to the questionnaire has not been provided.

Mr. Hans K. Trousil  
Mayor, City of West Burlington

City of West Burlington  
RAB Board Member

319-752-8407

trousilh@westburlington.org

1 October 2014

- I am not familiar with Mathes Lake other than that it was used as a fresh water supply for the installation until such time that potable water was purchased from the City of Burlington. As a RAB board member I am interested in a study in the Lake and the possibility of hazardous waste that could be in the Lake. See Attachment 6.

---

Mr. Sandeep Mehta  
Remedial Project Manager –  
Iowa/Nebraska Remedial Branch  
Environmental Protection Agency  
11201 Renner Blvd.  
Lenexa, KS 66219  
913-551-7763

1 October 2014

- I am not sure if I have any information that would be useful in your survey. I would highly recommend using couple of stakeholders from the public, like Mr. Moore and Mr. Thurman, such folks who worked out there. Also, Mr. Forest who is currently on the RAB and has been long involved in the past with IAAAP may be good sources for information. Please let me know your thoughts. Also, please send me your contact information so I can add your name to my directory list. See Attachment 7.

---

Ms. Melenie Wonderlich  
IAP Support Services Team Lead  
Research Assistant  
19803 Danville Road  
New London, IA 52645  
319-750-9755  
mwonderlich@farmtel.net

1 October 2014

- I wanted to get back to you to let you know that I am not a past employee so I don't have anything to contribute to the PA.  
See Attachment 8.

---

Mr. Bruce Workman  
Firefighter-Battalion Chief  
418 Valley Street  
Burlington, IA 52601  
319-753-8390  
workmanb@burlingtoniowa.org

7 October 2014

- Thanks for reaching out to board members. There are a few members that have firsthand knowledge and know the history of the plant and lake. I am sitting as an advisory member and will help as possible. However, I do not have the direct knowledge as those that worked here in the past. I will have a look at the questionnaire. However, if it was attached to your email I couldn't see or access it. Could you send again, please? See Attachment 9.

---

## 2. Written response from community member.

Mr. Harold McNeece  
Past employee of water treatment  
facility

No Date to Letter

- See Attachment 10.

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### 3. Interview conducted as part of the October 2014 Site Visit.

Audio Interview recording:

21 October 2014

Participants

Mr. Vaughn Moore, RAB Member  
Ms. Paula Graham, RAB Member  
Mr. Thurman Huffman, RAB Member  
Mr. Mark Hagerla RAB Member

- This recording was inadvertently lost during transfer.
- Follow-up interviews have been conducted and are listed in bullet 4 of this appendix.

Interviewer:

Sean Chelius, H&S Project Geologist

---

### 4. Interview conducted as part of the April 2015 Site Visit.

Audio Interview recording:

21 April 2015

Participant

Mr. Vaughn Moore, RAB Member

Interviewer:

Patrick Schauble, H&S Project Manager

- Items Mr. Moore discussed relating to Mathes Lake directly:
    - The draining of Stump Lake upgradient of Mathes Lake.
    - Silver was present in Mathes Lake due to the operations at Line 3A old x-ray location to the north of Line 3A. No supporting documents identified.
    - Radiological substances present in Mathes Lake (i.e., DU, U-235, Cobalt, Cesium, and Tritium). No supporting documents identified.
    - Once drinking water was no longer pulled from Mathes Lake in 1977 two residents downstream of the lake, on the southern side of IAAAP, could no longer cultivate from the fields due to regular flooding of the field and contamination. No supporting documents identified.
- Field locations are:  
Latitude 40°45'10.8468" North; Longitude 91°14'22.6932"  
Latitude 40°45'5.2014" North; Longitude 91°14'30.4548"
- The first hydro-shots were conducted at Firing Site 6 which is approximately 2,400 feet upgradient of Mathes Lake along Long Creek.
- 

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**5. Telephone interview conducted as a Follow-up to October 2014 interview.**

Mr. Vaughn Moore, RAB Member

15 July 2015

Interviewer:

Christopher C. Hikel, H&S Project  
Engineer

- Items Mr. Moore discussed relating to Mathes Lake directly:
    - Hydro-shots from Firing Site 12 containing DU ran into Long Creek, which then ran into Mathes Lake.
    - Contamination from the coal pile outside of the Main Heating Plant (MHP) was known to travel to Mathes Lake by way of the stream to the east of the pile.
    - The Ammonium Nitrate Plant at the north end of the MHP also presented contamination to Mathes Lake through the same stream the coal pile leached into.
    - There were 4 deep aquifer wells that reached to the Jordan sand basin (line 7, north of MHP, Yard J, and Line 4B). Yard J was the only one noted as operational and it ran 24/7 for some time. Water was then pumped into Mathes Lake during drought times to recharge the lake. The water from these wells was red due to the high iron content.
- 

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1 October 2014

Mr. George Dieckmann  
1718 South Main Street  
Burlington, IA 52601

Subject: U.S. Army Corps of Engineers – Omaha District  
Preliminary Assessment Site Visit  
IAAAP – Mathes Lake

Mr. Dieckmann:

H&S Environmental, Inc. (H&S), is working on behalf of the U.S. Army Corps of Engineers, my point of contacts being Laura Percifield and Zaynab Murray, on the Preliminary Assessment of Mathes Lake at the IAAAP.

I was given your contact information as you are listed as a current member of the Restoration Advisory Board for IAAAP. As part of the Preliminary Assessment process, I am conducting interviews with RAB members regarding knowledge of and about Mathes Lake.

I will be traveling out to Iowa for the 10/21 RAB Meeting, will be in attendance and I believe Zaynab is working out some details for me to get some time with you as well as the other board members to finish the interview process and answer any questions you or any attendees of the meeting may have regarding the Preliminary Assessment process.

So, I just wanted to introduce myself, albeit remotely, and send you an interview form regarding your knowledge of Mathes Lake specifically. Any information you may have pertaining to the history, your connection to the IAAAP, incidents – information of that kind that would be beneficial in the Final Preliminary Assessment Report.

At your earliest convenience if you could take a look and either fill the form out and send back to me, or call me and we can go over the questions; basically, whatever is the easiest means for you, I would be much appreciative.

I look forward to meeting you at the 10/21/2014 RAB Meeting.

Please feel free to contact me at (610) 603-6111 or via email at [schelius@hsenv.com](mailto:schelius@hsenv.com) with any questions you may have.

Sincerely,  
***H&S Environmental, Inc.***

A handwritten signature in black ink, appearing to read "Sean M. Chelius", is centered on a light gray rectangular background.

Sean M. Chelius, PG  
Project Geologist

Enclosure

Name: \_\_\_\_\_

Relationship to site (owner, resident, site worker)

Contact Information (phone, address, email)

Time frame of Site Knowledge (i.e. last 5 years, worked on site since, heard 20 years ago)

**Site Knowledge**

Are you aware of any Land Use Controls imposed on this property?

**Land Uses:**

- Do you have any information on **past uses** of the property?
- **Current Use(s):**
- Do you have any information on **future changes** to current use?

**Potential HTW Use**

- Do you know of any specific **chemicals that are present** at the property?
- Do you know of any **spills** or other chemical release at the property (tanks, discolored soil, distressed vegetation)?
- Are you aware of any Environmental Clean-up projects related to this property (needed, completed, upcoming)?

**Military Use:**

- Are you aware this property was previously used as a \_\_\_\_\_?
- (Moving target range, small arms range, skeet range, magazine, coal yard, etc.)
- Have you ever seen signs of munitions use at this property? What did you see? Have you heard of anyone with knowledge of pas munitions use at the property?
- Do you know what procedures to follow if you do encounter suspect munitions?
- Do you have any suggestions on other sources of information or others we could interview?



1 October 2014

Mr. Thurman Huffman  
122 South Melrose Court  
West Burlington, IA 52655

Subject: U.S. Army Corps of Engineers – Omaha District  
Preliminary Assessment Site Visit  
IAAAP – Mathes Lake

Mr. Huffman:

H&S Environmental, Inc. (H&S), is working on behalf of the U.S. Army Corps of Engineers, my point of contacts being Laura Percifield and Zaynab Murray, on the Preliminary Assessment of Mathes Lake at the IAAAP.

I was given your contact information as you are listed as a current member of the Restoration Advisory Board for IAAAP. As part of the Preliminary Assessment process, I am conducting interviews with RAB members regarding knowledge of and about Mathes Lake.

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I look forward to meeting you at the 10/21/2014 RAB Meeting.

Please feel free to contact me at (610) 603-6111 or via email at [schelius@hsenv.com](mailto:schelius@hsenv.com) with any questions you may have.

Sincerely,  
***H&S Environmental, Inc.***

A handwritten signature in black ink, appearing to read "Sean M. Chelius", is centered on a light gray rectangular background.

Sean M. Chelius, PG  
Project Geologist

Enclosure



1 October 2014

Mr. Alan Koenig  
14876 Washington Road, Lot 73  
West Burlington, IA 52655

Subject: U.S. Army Corps of Engineers – Omaha District  
Preliminary Assessment Site Visit  
IAAAP – Mathes Lake

Mr. Koenig:

H&S Environmental, Inc. (H&S), is working on behalf of the U.S. Army Corps of Engineers, my point of contacts being Laura Percifield and Zaynab Murray, on the Preliminary Assessment of Mathes Lake at the IAAAP.

I was given your contact information as you are listed as a current member of the Restoration Advisory Board for IAAAP. As part of the Preliminary Assessment process, I am conducting interviews with RAB members regarding knowledge of and about Mathes Lake.

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Sincerely,  
***H&S Environmental, Inc.***

A handwritten signature in black ink, appearing to read "Sean M. Chelius", is centered on a light gray rectangular background.

Sean M. Chelius, PG  
Project Geologist

Enclosure



1 October 2014

Mr. Vaughn Moore  
14876 Washington Road, Lot 140  
West Burlington, IA 52655

Subject: U.S. Army Corps of Engineers – Omaha District  
Preliminary Assessment Site Visit  
IAAAP – Mathes Lake

Mr. Moore:

H&S Environmental, Inc. (H&S), is working on behalf of the U.S. Army Corps of Engineers, my point of contacts being Laura Percifield and Zaynab Murray, on the Preliminary Assessment of Mathes Lake at the IAAAP.

I was given your contact information as you are listed as a current member of the Restoration Advisory Board for IAAAP. As part of the Preliminary Assessment process, I am conducting interviews with RAB members regarding knowledge of and about Mathes Lake.

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I look forward to meeting you at the 10/21/2014 RAB Meeting.

Please feel free to contact me at (610) 603-6111 or via email at [schelius@hsenv.com](mailto:schelius@hsenv.com) with any questions you may have.



Sincerely,  
***H&S Environmental, Inc.***

A handwritten signature in black ink, appearing to read "Sean M. Chelius", is centered on a light gray rectangular background.

Sean M. Chelius, PG  
Project Geologist

Enclosure

## Sean Chelius

---

**From:** Hans Trousil <trousilh@westburlington.org>  
**Sent:** Friday, October 03, 2014 10:46 AM  
**To:** Sean Chelius  
**Subject:** RE: Mathes Lake Preliminary Assessment

Sean

I am not familiar with Mathes Lake other than that it was used as a fresh water supply for the installation until such time that potable water was purchased from the City of Burlington. As a RAB board member I am interested in a study in the Lake and the possibility of hazardous waste that could be in the Lake.

Sincerely

Hans K Trousil, Mayor  
City of West Burlington  
RAB Board Member

**From:** Sean Chelius [<mailto:SChelius@hsenv.com>]  
**Sent:** Wednesday, October 01, 2014 7:49 AM  
**To:** Hans Trousil  
**Subject:** Mathes Lake Preliminary Assessment

Mayor Trousil,

I am working on behalf of the USACE, my point of contacts being Laura Percifield and Zaynab Murray, on the Preliminary Assessment of Mathes Lake out at the IAAAP. I was given your contact information by Zaynab as you are a member of the Restoration Advisory Board for conducting interviews with regard to Mathes Lake. I will be traveling out to Iowa for the 10/21 RAB Meeting, will be in attendance and I believe Zaynab is working out some details for me to get some time with you as well as the other board members to finish the interview process and answer any questions you or any attendees of the meeting may have regarding the Preliminary Assessment process.

So, I just wanted to introduce myself remotely from Pennsylvania and send you an interview form regarding your knowledge of Mathes Lake specifically. Any history, connection to the IAAAP, incidents – information of that kind that would be beneficial in the Final Preliminary Assessment Report.

At your earliest convenience if you could take a look and either fill the form out and send back to me, or reply to me with answers to each question or call me and we can go over the questions; basically, whatever is the easiest means for you, I would be much appreciative.

If you have any questions regarding the form or any comments/concerns, please feel free to contact me.

I look forward to meeting you at the 10/21 RAB Meeting.

Regards,

Sean M. Chelius, P.G.  
Project Geologist



## Sean Chelius

---

**From:** Mehta, Sandeep <mehta.sandeep@epa.gov>  
**Sent:** Wednesday, October 01, 2014 2:09 PM  
**To:** Sean Chelius  
**Subject:** Mathis Lake  
**Attachments:** RE: Mathes Lake Preliminary Assessment; Mathes Lake Preliminary Assessment

Sean:

Hi.

I am not sure if I have any information that would be useful in your survey. I would highly recommend using couple of stakeholders from the public, like Mr. Moore and Mr. Thurman, such folks who worked out there. Also, Mr. Forest who is currently on the RAB and has been long involved in the past with IAAAP may be good sources for information. Please let me know your thoughts.

Also, please send me your contact information so I can add your name to my directory list.

Regards,  
Sandeep Mehta, P.E.  
[mehta.sandeep@epa.gov](mailto:mehta.sandeep@epa.gov)  
Phone: 913-551-7763

## Sean Chelius

---

**From:** Melenie Wonderlich <[mwonderlich@farmtel.net](mailto:mwonderlich@farmtel.net)>  
**Sent:** Monday, October 06, 2014 1:44 PM  
**To:** Sean Chelius  
**Subject:** RE: Mathes Lake Preliminary Assessment

Hello Sean,

I wanted to get back to you to let you know that I am not a past employee so I don't have anything to contribute to the PA.

Thanks,

Melenie Wonderlich  
IAP support Services Team Lead  
•Phone 319-208-0200 •Email [mwonderlich@farmtel.net](mailto:mwonderlich@farmtel.net)

**From:** Sean Chelius [<mailto:SChelius@hsenv.com>]  
**Sent:** Wednesday, October 01, 2014 7:50 AM  
**To:** [mwonderlich@farmtel.net](mailto:mwonderlich@farmtel.net)  
**Subject:** Mathes Lake Preliminary Assessment

Ms. Wonderlich,

I am working on behalf of the USACE, my point of contacts being Laura Percifield and Zaynab Murray, on the Preliminary Assessment of Mathes Lake out at the IAAAP. I was given your contact information by Zaynab as you are a member of the Restoration Advisory Board for conducting interviews with regard to Mathes Lake. I will be traveling out to Iowa for the 10/21 RAB Meeting, will be in attendance and I believe Zaynab is working out some details for me to get some time with you as well as the other board members to finish the interview process and answer any questions you or any attendees of the meeting may have regarding the Preliminary Assessment process.

So, I just wanted to introduce myself remotely from Pennsylvania and send you an interview form regarding your knowledge of Mathes Lake specifically. Any history, connection to the IAAAP, incidents – information of that kind that would be beneficial in the Final Preliminary Assessment Report.

At your earliest convenience if you could take a look and either fill the form out and send back to me, or reply to me with answers to each question or call me and we can go over the questions; basically, whatever is the easiest means for you, I would be much appreciative.

If you have any questions regarding the form or any comments/concerns, please feel free to contact me.

I look forward to meeting you at the 10/21 RAB Meeting.

Regards,

Sean M. Chelius, P.G.  
Project Geologist



## Sean Chelius

---

**From:** workmanb@burlingtoniowa.org  
**Sent:** Tuesday, October 07, 2014 6:16 PM  
**To:** Sean Chelius  
**Subject:** Re: Mathes Lake Preliminary Assessment

Hi Sean,

Thanks for reaching out to board members. There are a few members that have first hand knowledge and know the history of the plant and lake. I am sitting as an advisory member and will help as possible. However, I do not have the direct knowledge as those that worked here in the past.

I will have a look at the questionnaire. However, if it was attached to your email I couldn't see or access it. Could you send again, please?

Thanks,  
Bruce

> Mr. Workman,

>

>

>

> I am working on behalf of the USACE, my point of contacts being Laura  
> Percifield and Zaynab Murray, on the Preliminary Assessment of Mathes  
> Lake out at the IAAAP. I was given your contact information by Zaynab  
> as you are a member of the Restoration Advisory Board for conducting  
> interviews with regard to Mathes Lake. I will be traveling out to  
> Iowa for the 10/21 RAB Meeting, will be in attendance and I believe  
> Zaynab is working out some details for me to get some time with you as  
> well as the other board members to finish the interview process and  
> answer any questions you or any attendees of the meeting may have  
> regarding the Preliminary Assessment process.

>

>

>

> So, I just wanted to introduce myself remotely from Pennsylvania and  
> send you an interview form regarding your knowledge of Mathes Lake  
> specifically. Any history, connection to the IAAAP, incidents -  
> information of that kind that would be beneficial in the Final  
> Preliminary Assessment Report.

>

>

>

> At your earliest convenience if you could take a look and either fill  
> the form out and send back to me, or reply to me with answers to each  
> question or call me and we can go over the questions; basically,  
> whatever is the easiest means for you, I would be much appreciative.

>

>

>

> If you have any questions regarding the form or any comments/concerns,  
> please feel free to contact me.  
>  
>  
>  
> I look forward to meeting you at the 10/21 RAB Meeting.  
>  
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>  
> Regards,  
>  
>  
>  
>  
>  
>  
> Sean M. Chelius, P.G.  
>  
> Project Geologist  
>  
>  
>  
> H&S Environmental, Inc.  
>  
> 160 E. Main St, Suite 2F  
>  
> Westborough, MA 01581  
>  
> 610.603.6111 Primary  
>  
> 508.366.7442 <<tel:508.366.7442>> Corporate  
>  
> 508.366-7445 <<tel:508.366-7445>> Fax  
>  
> [schelius@hsenv.com](mailto:schelius@hsenv.com) <<mailto:schelius@hsenv.com>>  
>  
> <http://www.hsenv.com> <<http://www.hsenv.com/>>  
>  
> H&S is an 8(a), SDB, woman-owned environmental consulting and  
> remediation company  
>  
>  
>  
>

My Name is Harold D. McNece  
I started work at FAAP sept. 1952 and work in water treatment.  
until Nov. 1972, in my years I was helper and operator. We also operated  
the sewage plant and picked up water samples from Long Creek.

Brush Creek. inside the Plant and outside the Plant My Boss  
was Wayne Streeter - Ed Melett - Bob Thompson and Ralph Lile.

Ralph Tolded in 1971 we would have to Buy water from Burlington.  
because the lake was so badly contaminated. I thought he was making  
excuses to get read of some of the help. I thought we were making  
good water because it tasted really good. better than Burlington water.  
if we had bad tasting water. we got on it right away. We never had  
bad tasting water more than one day. But Burlington would have had  
tasting water for weeks!

Harold McNece



**APPENDIX F.**

**Property Site Visit Report**

This appendix contains the journal entries while conducting site visits at IAAAP for the Preliminary Assessment for Mathes Lake, Des Moines County, Middletown, Iowa.

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**Mathes Lake, Iowa Army Ammunition Plant (IAAAP), Middletown, Des Moines County, Iowa****Initial Site visit conducted 20 October through 22 October 2014.**

The following table chronicles the initial site visit to Mathes Lake in October 2014. The purpose of this trip was to perform an initial site visit to observe site features, to attend the Restoration Advisory Board (RAB) Meeting, to interview RAB members, and to visit local information repositories.

<b>Team Member:</b> Mr. Sean Chelius, H&S Environmental	
Monday: 20 October 2014	Mobilize to Burlington Iowa. Visit Burlington Public Library. Access records pertaining to IAAAP. Photograph various documents, maps, and newspaper articles as part of the data gathering effort in support of the Preliminary Assessment (PA).
Tuesday: 21 October 2014	Mobilize to Burlington Public Library. Attend RAB meeting. Provide update on PA. Perform interviews with RAB members (Mr. Vaughn Moore, Ms. Paula Graham, Mr. Thurman Huffman, and Mr. Mark Hagerla). Continued research at Burlington Public Library.
Wednesday: 22 October 2014	Mobilize to IAAAP. Attended safety briefing. Meet with Ms. Jen Busard (Pica International, Inc.). Ms. Busard provided Mr. Chelius with a compact disk which included information from Mr. Rodger Allison (IAAAP) which was pertinent to Mathes Lake. Mr. Chelius met with Mr. Steve Bellrichard (IAAAP) who escorted him on a windshield tour of Mathes Lake.

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**Mathes Lake, Iowa Army Ammunition Plant (IAAAP), Middletown, Des Moines County, Iowa****Site reconnaissance visit conducted 20 April through 23 April 2015.**

Photographs from the site visit are found in Appendix G. Plate 9 relates the photographs to the locations on-site.

The following table chronicles the reconnaissance site visit to Mathes Lake in April 2015. The purpose of this visit was to perform an initial site visit to observe site features, to attend the RAB Meeting, and to perform a visual inspection of Mathes Lake.

<b>Team Members:</b> Mr. Patrick Schauble and Mr. Stephen Deeter (H&S Environmental)	
Monday: 20 April 2015	Mobilize to Burlington, IA.
Tuesday: 21 April 2015	<p>Mobilize to Burlington Public Library. Attend RAB meeting. Performed a presentation that included outlining the PA process and providing an update as to where we are in the process. Advised that the PA is intended to review existing information and does not include any environmental sampling. The PA will determine whether or not additional investigation or sampling in the form of a Site Inspection is warranted.</p> <p>Following the RAB meeting, the team interviewed Mr. Vaughn Moore.</p> <p>The team visited IAAAP to obtain the necessary access and camera pass for the planned reconnaissance visit of Mathes Lake. Attended a safety briefing.</p> <p>After leaving IAAAP, the team assembled the necessary equipment for the reconnaissance visit including kayaks to allow access to the Mathes Lake.</p>
Wednesday: 22 April 2015	<p>Mobilize to IAAAP. Attended tailgate safety briefing. Meet with Mr. Steven Bellrichard (IAAAP) who escorted the team on a windshield tour of Mathes Lake and potential upgradient source areas in the Long Creek watershed. Various areas were visited and photographed during the reconnaissance visit including:</p> <ul style="list-style-type: none"> <li>• Line 8</li> <li>• Contaminated Clothing Laundry</li> <li>• Main Heating Plant (MHP) and associated features</li> <li>• Fly Ash Landfill</li> <li>• Emergency Reservoir</li> <li>• Inert Disposal Area (IDA)</li> <li>• Former Boy Scout Camp</li> </ul> <p>Active production lines and firing sites were not visited due the size of these areas. It was also concluded that the review of historical documentation and aerial photographs related to these sites would be most appropriate, as potential contamination would likely be from past or historical operations.</p> <p>Inspection of Mathes Lake itself and the tributaries flowing into the lake were considered to be the primary objective of the reconnaissance visit as the lake is</p>

	the focus of the PA.
<p>Wednesday: 22 April 2015 (continued)</p>	<p>Following the windshield tour, the team initiated a visual inspection of Mathes Lake. This was accomplished using kayaks in the following manner:</p> <ul style="list-style-type: none"> <li>• Reviewed working over water safety requirements. Donned personal floatation devices.</li> <li>• Entered the lake at the boat launch near the dam on the eastern side of the lake. Traveled northwest along outer perimeter shoreline.</li> <li>• Inspected the confluence where the tributary leading to the vicinity of the MHP enters the lake. Small black nuggets (assumed to be coal) were observed in the shallows (Appendix G, Photo 12). The water was clear and no signs of adverse impacts were noted.</li> <li>• Continued northwest along the outer perimeter of the lake to inspect the uppermost tributary into the eastern leg of the horseshoe-shaped lake (IDA to the north).</li> <li>• Continued along the inner shoreline of Mathes Lake to the western leg of the lake. Observed a manmade structure along the northern shoreline of the western leg of the lake. No evidence of adverse impacts was noted (Appendix G, Photo 16).</li> <li>• Inspected the upper reaches of Long Creek as it enters Mathes Lake from the Firing Site Area. No adverse impacts in the creek were noted (Appendix G, Photo 18).</li> <li>• Returned along the outer (southern perimeter) of the lake along the dam back to the boat ramp.</li> <li>• Inspected Long Creek below the dam.</li> </ul> <p>Based on the visual inspection of Mathes Lake and its tributaries, no adverse environmental impacts were observed other than the apparent coal in one of the upstream reaches of the lake noted above. Significant sediment deposition was noted especially in the upper reaches of the lake. Abundant wildlife was observed during the inspection including many species of bird, turtles, coyote, deer, water insects, etc.</p> <p>Improvements to the dam and boat ramp area were ongoing. The lake level was full. Access to the lake is restricted as the lake is located on the IAAAP. No other persons were encountered during the lake inspection.</p> <p>Demobilized from the site and returned equipment.</p>
<p>Thursday: 23 April 2015</p>	<p>Mobilized to IAAAP. Performed a windshield inspection of downgradient areas along Long Creek outside the IAAAP boundary. Noted recreational areas along Skunk Creek.</p> <p>Debriefed Ms. Zaynab Murray (IAAAP) on the visit. Demobilized from the IAAAP.</p>



## APPENDIX G.


### Property Site Visit Photographs

This appendix contains property site visit photographs for the Preliminary Assessment of Mathes Lake, Des Moines County, Middletown, Iowa. See Plate 9, Appendix I for photo locations.

<p>Location: <b>Line 8 (IAAAP-009)</b></p>	
<p>Description: <b>PHOTOGRAPH #1</b> South view of Texas Ave. with Building 8-81-3 to the right.</p> <p>Date: <b>22 April 2015</b></p>	
<p>Location: <b>Emergency Reservoir</b></p>	
<p>Description: <b>PHOTOGRAPH #2</b> North-northwest view of reservoir with the Main Heating Plant to the south-southeast of this location.</p> <p>Date: <b>22 April 2015</b></p>	



<p>Location: <b>Fly Ash Landfill (IAAAP-027)</b></p>	
<p>Description: <b>PHOTOGRAPH #3</b> South view of landfill from the south side of the Emergency Reservoir</p> <p>Date: <b>22 April 2015</b></p>	
<p>Location: <b>Main Heating Plant</b></p>	
<p>Description: <b>PHOTOGRAPH #4</b> South-southeast view of Heating Plant from the south side of the Emergency Reservoir</p> <p>Date: <b>22 April 2015</b></p>	





<p>Location: <b>Coal Settling Pond</b></p>	 A photograph showing an east view of a coal settling pond. The pond is a large, irregularly shaped body of water with a calm surface. It is surrounded by grassy banks. In the foreground, there is a dark, muddy area with some debris. A utility pole is visible on the left side of the pond. The background shows a line of trees under a clear sky.
<p>Description: <b>PHOTOGRAPH #5</b> East view of the settling pond while standing at the western edge.</p> <p>Date: <b>22 April 2015</b></p>	
<p>Location: <b>Coal Treating Pond</b></p>	 A photograph showing a south view of a coal treating pond. The pond is a large, rectangular body of water with a calm surface. It is surrounded by grassy banks. In the foreground, there is a gravelly area. A concrete structure with a railing is visible on the right side of the pond. The background shows a line of trees under a clear blue sky.
<p>Description: <b>PHOTOGRAPH #6</b> South view of pond while standing on the northern edge.</p> <p>Date: <b>22 April 2015</b></p>	

<p>Location: <b>Mathes Lake Dam Spillway</b></p>	
<p>Description: <b>PHOTOGRAPH #7</b> North-northwest view of the spill way of Mathes Lake dam while standing on Plant Road I.</p> <p>Date: <b>22 April 2015</b></p>	
<p>Location: <b>Inert Disposal Area (IAAAP-020)</b></p>	
<p>Description: <b>PHOTOGRAPH #8</b> North-northeast view of disposal area while standing on the southern edge.</p> <p>Date: <b>22 April 2015</b></p>	

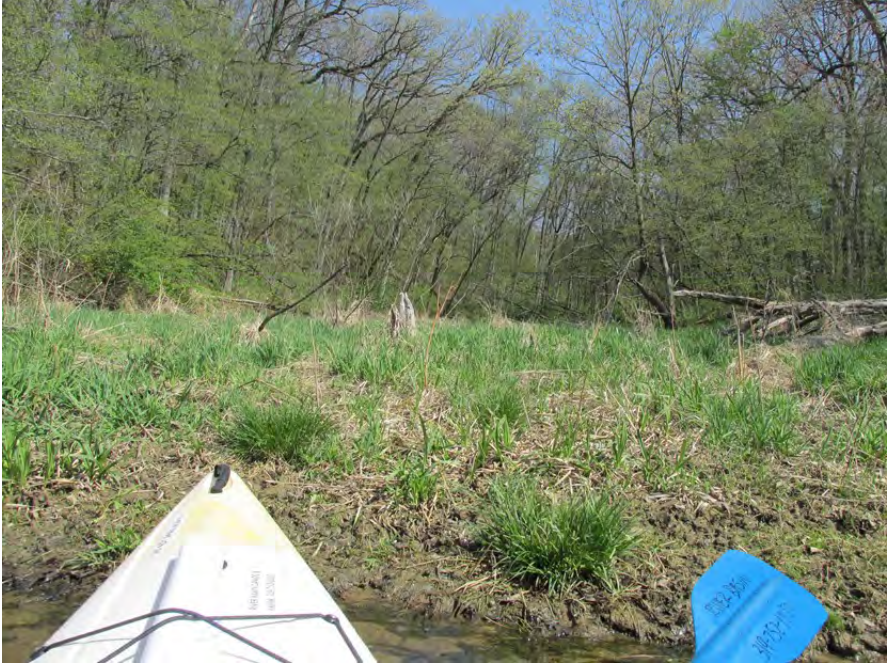



<p>Location: <b>Inert Disposal Area (IAAAP-020)</b></p>	
<p>Description: <b>PHOTOGRAPH #9</b> West view of groundwater treatment plant building located on the southwest corner of the disposal area.</p> <p>Date: <b>22 April 2015</b></p>	
<p>Location: <b>Old Water Line Support</b></p>	
<p>Description: <b>PHOTOGRAPH #10</b> North-northwest view of abandon water line support along the western edge of Texas Ave.</p> <p>Date: <b>22 April 2015</b></p>	





<p>Location: <b>Mathes Lake</b></p>	
<p>Description: <b>PHOTOGRAPH #11</b> North view of Long Creek tributary entering Mathes Lake. This location receives surface water from Main Heating Plant.</p> <p>Date: <b>22 April 2015</b></p>	
<p>Location: <b>Mathes Lake</b></p>	
<p>Description: <b>PHOTOGRAPH #12</b> View of the sediment within Long Creek tributary as it enters Mathes Lake. What appears to be coal was observed on the top of the sediment. This location receives surface water from Main Heating Plant.</p> <p>Date: <b>22 April 2015</b></p>	





<p>Location: <b>Mathes Lake</b></p>	
<p>Description: <b>PHOTOGRAPH #13</b> North view of tributary as it enters Mathes Lake along the northern section south of the Inert Disposal Area.</p> <p>Date: <b>22 April 2015</b></p>	
<p>Location: <b>Mathes Lake</b></p>	
<p>Description: <b>PHOTOGRAPH #14</b> North view of shoreline at the northern tip of Mathes Lake south of the Inert Disposal Area.</p> <p>Date: <b>22 April 2015</b></p>	



<p>Location: <b>Mathes Lake</b></p>	
<p>Description: <b>PHOTOGRAPH #15</b> North view of tributary at the northern tip of Mathes Lake south of the Inert Disposal Area. Same location as Photograph #14 to show the location where the tributary enters the lake.  Date: <b>22 April 2015</b></p>	
<p>Location: Location: <b>Mathes Lake</b></p>	
<p>Description: <b>PHOTOGRAPH #16</b> North-northwest view a block structure along the northern banks of Mathes Lake with Long Creek to the left of this location.  Date: <b>22 April 2015</b></p>	



<p>Location: <b>Long Creek</b></p>	
<p>Description: <b>PHOTOGRAPH #17</b> North-northwest view of Long Creek as it enters Mathes Lake. Note the extent of sediment buildup.</p> <p>Date: <b>22 April 2015</b></p>	
<p>Location: <b>Long Creek</b></p>	
<p>Description: <b>PHOTOGRAPH #18</b> North-northwest view Long Creek as it enters the Firing Site Area (IAAAP-030).</p> <p>Date: <b>22 April 2015</b></p>	



Location:  
**Long Creek**



Description:  
**PHOTOGRAPH #19**  
South-southeast view of Long Creek on the northern section of Long Creek before it travels under Plant Road C.  
  
Date:  
**22 April 2015**





Location:  
**Long Creek**



Description:  
**PHOTOGRAPH #20**  
North-northwest view of Long Creek on the southern section of Long Creek before it has traveled under Plant Road C.  
  
Date:  
**22 April 2015**





<p>Location: <b>Long Creek</b></p>	
<p>Description: <b>PHOTOGRAPH #21</b> South-southeast view of Long Creek as it travels to Mathes Lake.</p> <p>Date: <b>22 April 2015</b></p>	
<p>Location: <b>Mathes Lake</b></p>	
<p>Description: <b>PHOTOGRAPH #22</b> South view of Mathes Lake along sand bar where Long Creek is to the right.</p> <p>Date: <b>22 April 2015</b></p>	



<p>Location: <b>Mathes Lake</b></p>	
<p>Description: <b>PHOTOGRAPH #23</b> North view of Long Creek as it enters Mathes Lake after traveling past the Firing Site Area (IAAAP-030).</p> <p>Date: <b>22 April 2015</b></p>	
<p>Location: <b>Mathes Lake</b></p>	
<p>Description: <b>PHOTOGRAPH #24</b> East view of Mathes Lake with the center wooded area in the center of the photograph.</p> <p>Date: <b>22 April 2015</b></p>	

<p>Location: <b>Mathes Lake</b></p>	
<p>Description: <b>PHOTOGRAPH #25</b> North-northeast view of Mathes Lake looking towards the boat launch ramp in the center of the photograph.</p> <p>Date: <b>22 April 2015</b></p>	
<p>Location: <b>Mathes Lake Boat Launch</b></p>	
<p>Description: <b>PHOTOGRAPH #26</b> South-southwest view from Mathes Lake boat launch.</p> <p>Date: <b>22 October 201426 – 28</b></p>	



<p>Location: <b>Mathes Lake Boat Launch</b></p>	 A wide-angle photograph showing a concrete boat launch ramp extending into a large body of water. The water is calm with light ripples. In the background, there is a low dam structure with a control building on the left and a line of trees with some autumn foliage on the right under a clear blue sky.
<p>Description: <b>PHOTOGRAPH #27</b> South-southeast view from Mathes Lake boat launch.</p> <p>Date: <b>22 October 2014</b></p>	
<p>Location: <b>Mathes Lake Boat Launch</b></p>	 A photograph taken from a higher vantage point looking east-southeast. A yellow excavator is parked on a gravel area near the water's edge. In the background, a dam structure with a control building and a bridge is visible across the water. The water reflects the excavator and the sky. The sky is clear and blue.
<p>Description: <b>PHOTOGRAPH #28</b> East-southeast view from Mathes Lake boat launch viewing the control building for the dam.</p> <p>Date: <b>22 October 2014</b></p>	

<p>Location: <b>Mathes Lake Dam</b></p>	 A photograph showing a concrete dam structure with railroad tracks crossing over it. The view is from a south-southwest perspective. The dam is a large, grey concrete wall. The tracks are supported by a concrete bridge structure. In the foreground, there is a grassy slope with some green bushes and a gravel area. The sky is clear and blue.
<p>Description: <b>PHOTOGRAPH #29</b> South-southwest view of the railroad tracks which pass over Mathes Lake dam.</p> <p>Date: <b>22 October 2014</b></p>	
<p>Location: <b>Mathes Lake Dam</b></p>	 A photograph showing the east-facing slope of the dam. The slope is covered with a green erosion control mat. The dam structure is visible in the foreground, and the background shows a line of trees under a clear blue sky. There is a gravel area in the foreground.
<p>Description: <b>PHOTOGRAPH #30</b> South-southwest view of the east facing slope with erosion control in place.</p> <p>Date: <b>22 October 2014</b></p>	



Location:  
**Mathes Lake Dam**

Description:  
**PHOTOGRAPH #31**  
East view of the spillway  
for the dam as it travels  
towards Plant Road C.

Date:  
**22 October 2014**



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**APPENDIX H.****Response to Comments**

The Preliminary Assessment was reviewed by the following Agencies:

- U. S. Environmental Protection Agency, Region 7
- Iowa Department of Environmental Resources

No comments were received. Agency correspondences are included in this Appendix.





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 7**

11201 Renner Boulevard  
Lenexa, Kansas 66219

Mr. Jesse Kahler  
IAAAP Project Manager  
Iowa Army Ammunition Plant  
17571 DMC Highway 79  
Middletown, Iowa 52638-5000

Dear Mr. Kahler:

The U.S. Environmental Protection Agency has reviewed the "Draft Preliminary Assessment" for Mathes Lake at the Iowa Army Ammunition Plant Superfund Site (IAAAP), Middletown, Iowa.

The EPA has no comments on the document. This completes the EPA review period.

The EPA understands that the Army intends to proceed with a Site Investigation (SI) of Lake Mathes under the new environmental contract that the Army is in the process of negotiating and awarding. As we have discussed, the primary purpose of the PA/SI phase of the CERCLA process is to determine whether a site meets criteria for inclusion on the Superfund National Priorities List (NPL).

The IAAAP is already included on the NPL, which would encompass Lake Mathes. Thus, the EPA believes that the next phase of work at Lake Mathes would be a Remedial Investigation (RI) rather than a SI. The EPA will consider the upcoming investigatory work at Lake Mathes as a RI under our Federal Facility Agreement and review the associated work accordingly.

If you would like to discuss this matter, please contact me at (913) 551-7763.

Sincerely,

A handwritten signature in blue ink that reads "Sandeep Mehta".

Sandeep Mehta, P.E.  
Remedial Project Manager  
Iowa/Nebraska Remedial Branch  
Superfund Division

cc: Mr. Jesse Kahler, IAAAP Project Manager (via email and USPS)  
Mr. Daniel Cook, Iowa Department of Natural Resources (via email only)  
Ms. Angela Leek, Iowa Department of Public Health (via email only)  
Ms. Aleshia Kenney, U.S. Fish and Wildlife (via email only)





# STATE OF IOWA

TERRY E. BRANSTAD, GOVERNOR  
KIM REYNOLDS, LT. GOVERNOR

DEPARTMENT OF NATURAL RESOURCES  
CHUCK GIPP, DIRECTOR

December 3, 2015

ATTN: JMIA-OSR (JESSE KAHLER)  
IOWA ARMY AMMUNITION PLANT  
17571 DMC HIGHWAY 79  
MIDDLETOWN IA 52638-5000

Re: Draft Preliminary Assessment, Mathes Lake, Iowa Army Ammunition Plant, Middletown,  
Des Moines County, Iowa dated October 2015

Dear Mr. Kahler:

The Iowa Department of Natural Resources, Contaminated Sites Section, (IDNR) has received and reviewed the above referenced draft preliminary assessment but will defer making any comments at this time. Instead, IDNR will rely on U.S. Environmental Protection Agency Region 7 to provide a complete and thorough review.

If you have any questions or need further information please feel free to call or e-mail at (515) 725-8371 or [dan.cook@dnr.iowa.gov](mailto:dan.cook@dnr.iowa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "D. Cook".

Daniel Cook  
Environmental Specialist Senior  
Contaminated Sites Section

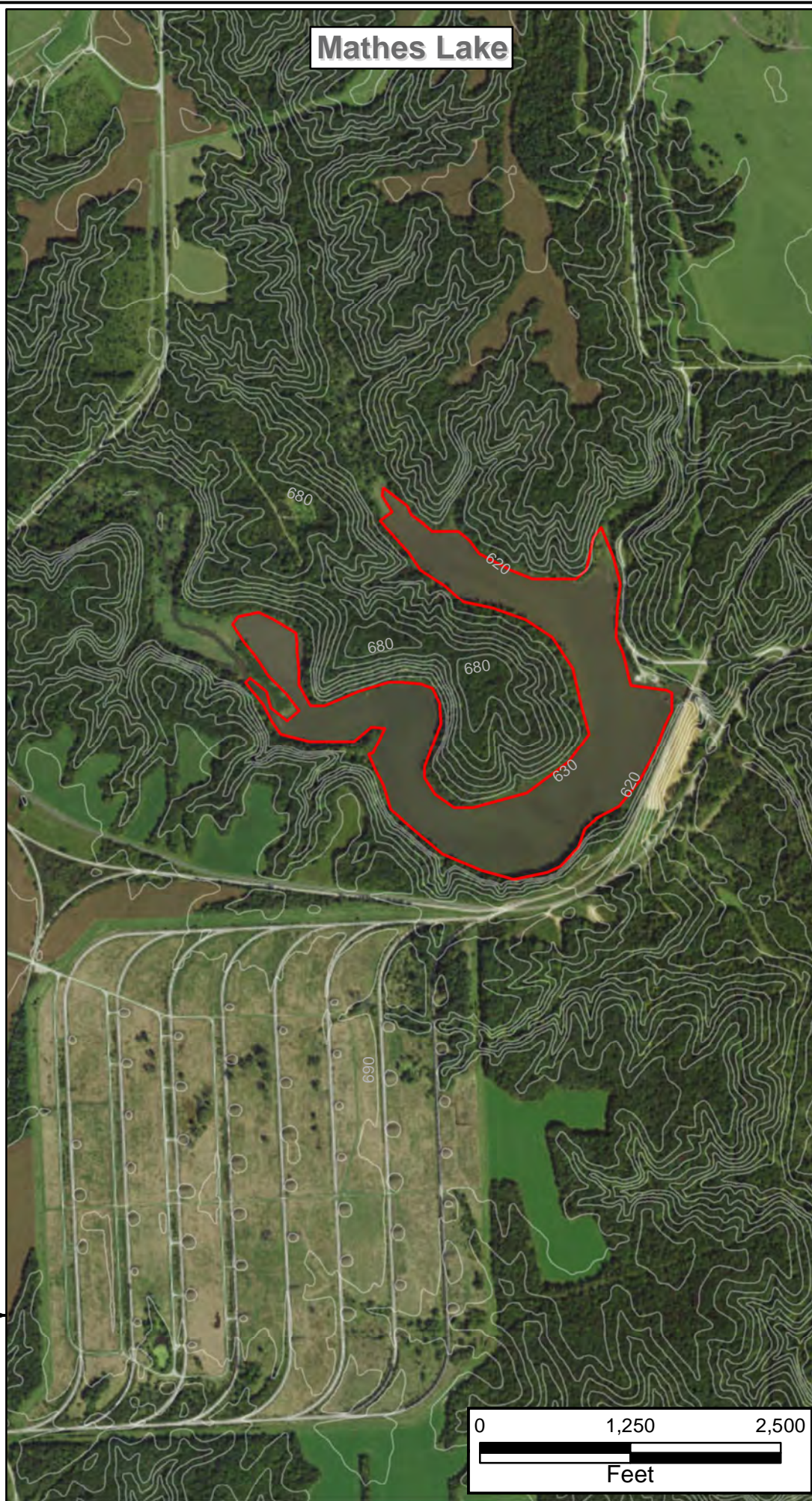
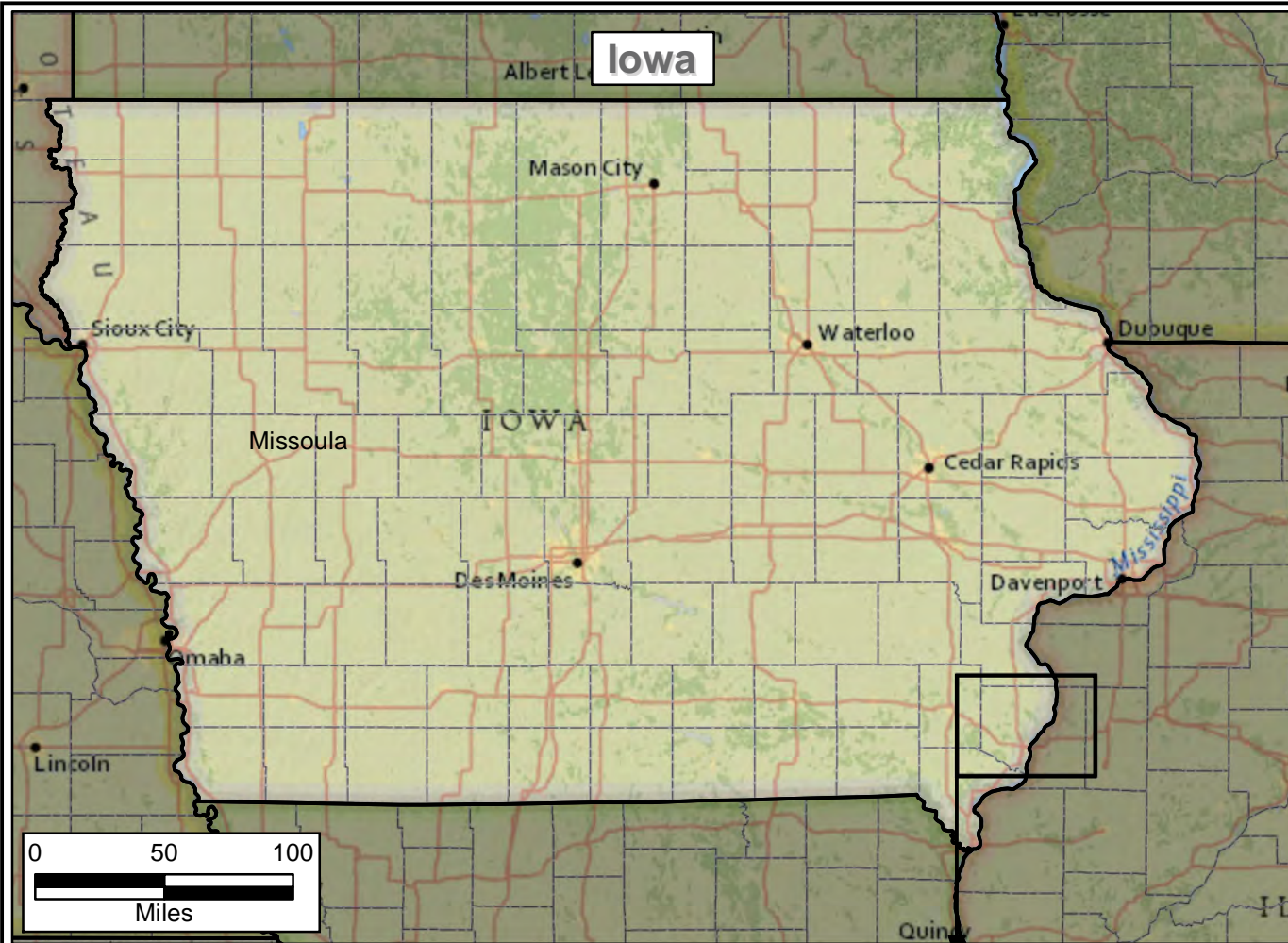
c: Todd Davis U. S. EPA Region 7, 11201 Renner Boulevard, Lenexa, Kansas 66219  
Iowa DNR Field Office 6

**APPENDIX I.**

**Appendix Plates**

This appendix contains the plates of the Preliminary Assessment for Mathes Lake, Des Moines County, Middletown, Iowa.





N

Scale Varies

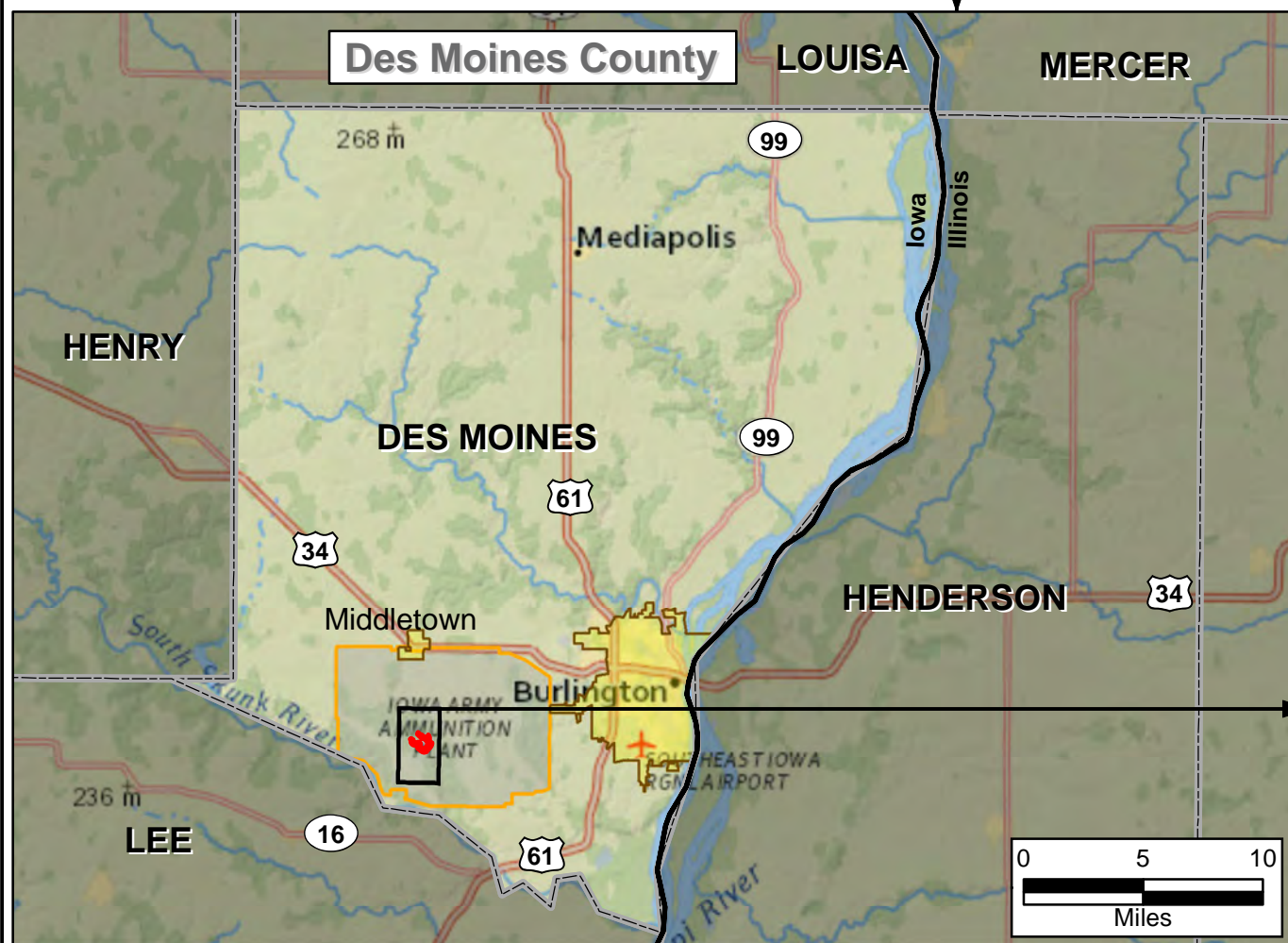
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NAD 1983 UTM Zone 15N

**Mathes Lake**  
Iowa Army Ammunition Plant (IAAAP)  
Des Moines County, Iowa

**Plate 1**


**Regional Location Map**

H & S Environmental, Inc.  
Contract W9128F-13-D-0031

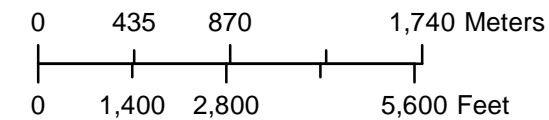
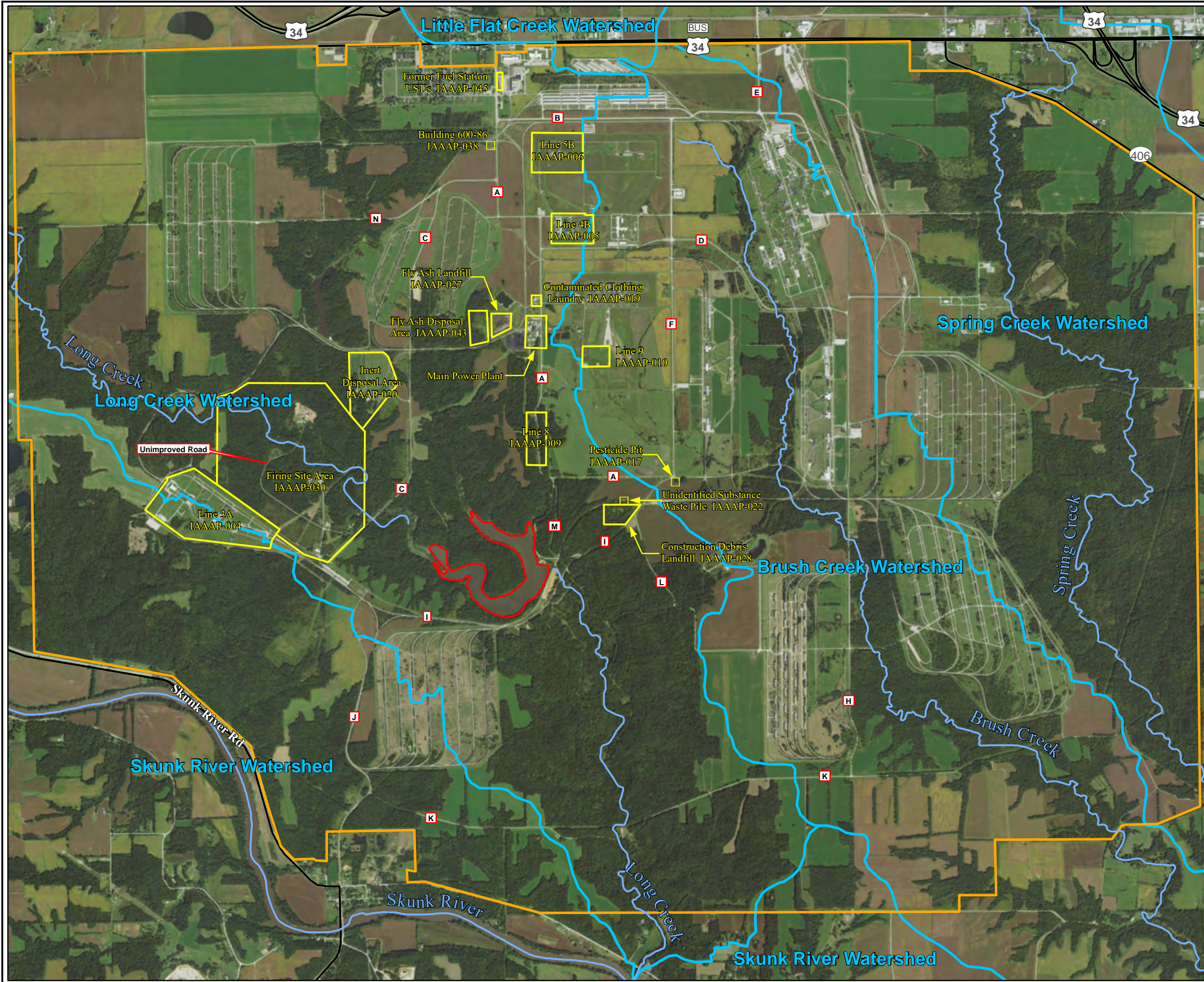


**Legend**

- Elevation Contours (feet) - 10' intervals
- ▭ Mathes Lake Boundary
- ▭ IAAAP Boundary
- ▭ City Boundaries
- ▭ County Boundaries
- ▭ State Boundaries

<b>USACE</b> Omaha District		<b>H&amp;S Environmental, Inc.</b>	
Drawn By: CLH	Scale: Scale Varies	Rev:	
Checked By:	Date Drawn: 7/16/2015		
Submitted By:	Revision Date:		
		Path: S:\Omaha PA\Mathes Lake\Maps\MXD\Plate1 Regional Site Location Map.mxd	





Data is projected to the UTM Coordinate System:  
NAD 1983 UTM Zone 15N

Mathes Lake  
Iowa Army Ammunition Plant (IAAAP)  
Des Moines County, Iowa

## Plate 2

# Relevant Site Features Map

H & S Environmental, Inc.  
Contract W9128F-13-D-0031

### Legend

- Significant Features (IAAAP)
- Major Roads
- Water Flow
- Mathes Lake
- Watersheds
- IAAAP Boundary
- Plant Road Name

**USACE**  
Omaha District

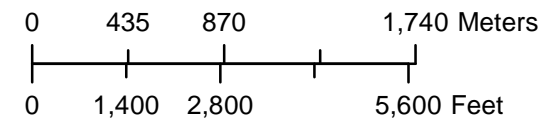
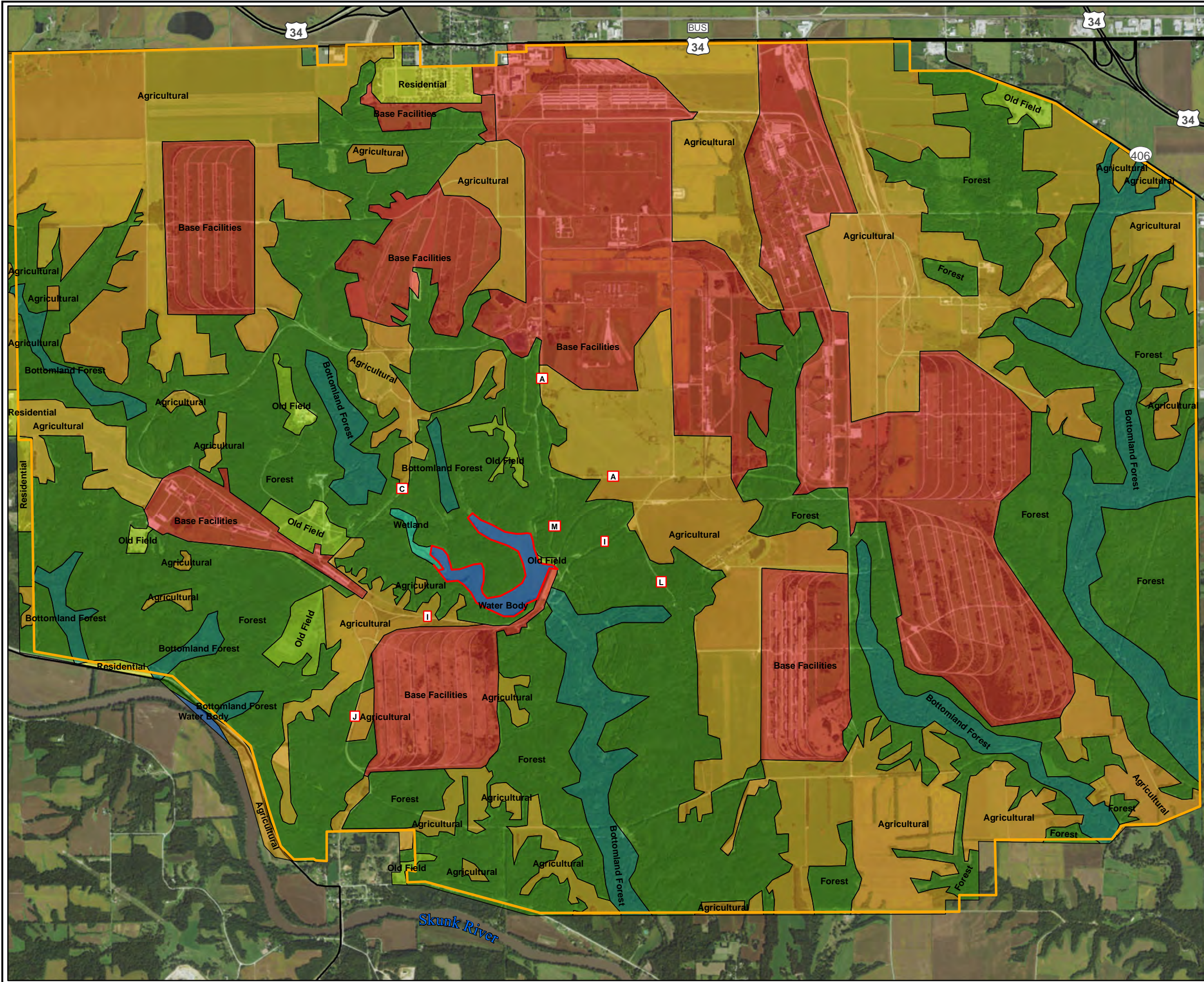
**H&S Environmental, Inc.**

Drawn By: CLH	Scale: 1 inch = 870 meters	Rev:
Checked By:	Date Drawn: 9/30/2015	
Submitted By:	Revision Date:	



Path: S:\Omaha PA\Mathes Lake\Maps\MXD\Plate2 Relevant Site Features.mxd





Data is projected to the UTM Coordinate System:  
NAD 1983 UTM Zone 15N

Mathes Lake  
Iowa Army Ammunition Plant (IAAAP)  
Des Moines County, Iowa

### Plate 3

## Land Use Map

H & S Environmental, Inc.  
Contract W9128F-13-D-0031

### Legend

- Major Roads
- Mathes Lake
- IAAAP Boundary
- Plant Road Name

### Land Use

- |                   |             |
|-------------------|-------------|
| Agricultural      | Old Field   |
| Base Facilities   | Residential |
| Bottomland Forest | Water Body  |
| Forest            | Wetland     |

**USACE**  
Omaha District

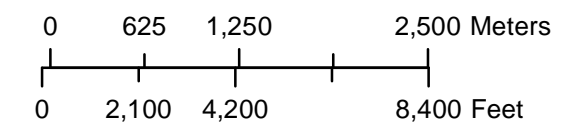
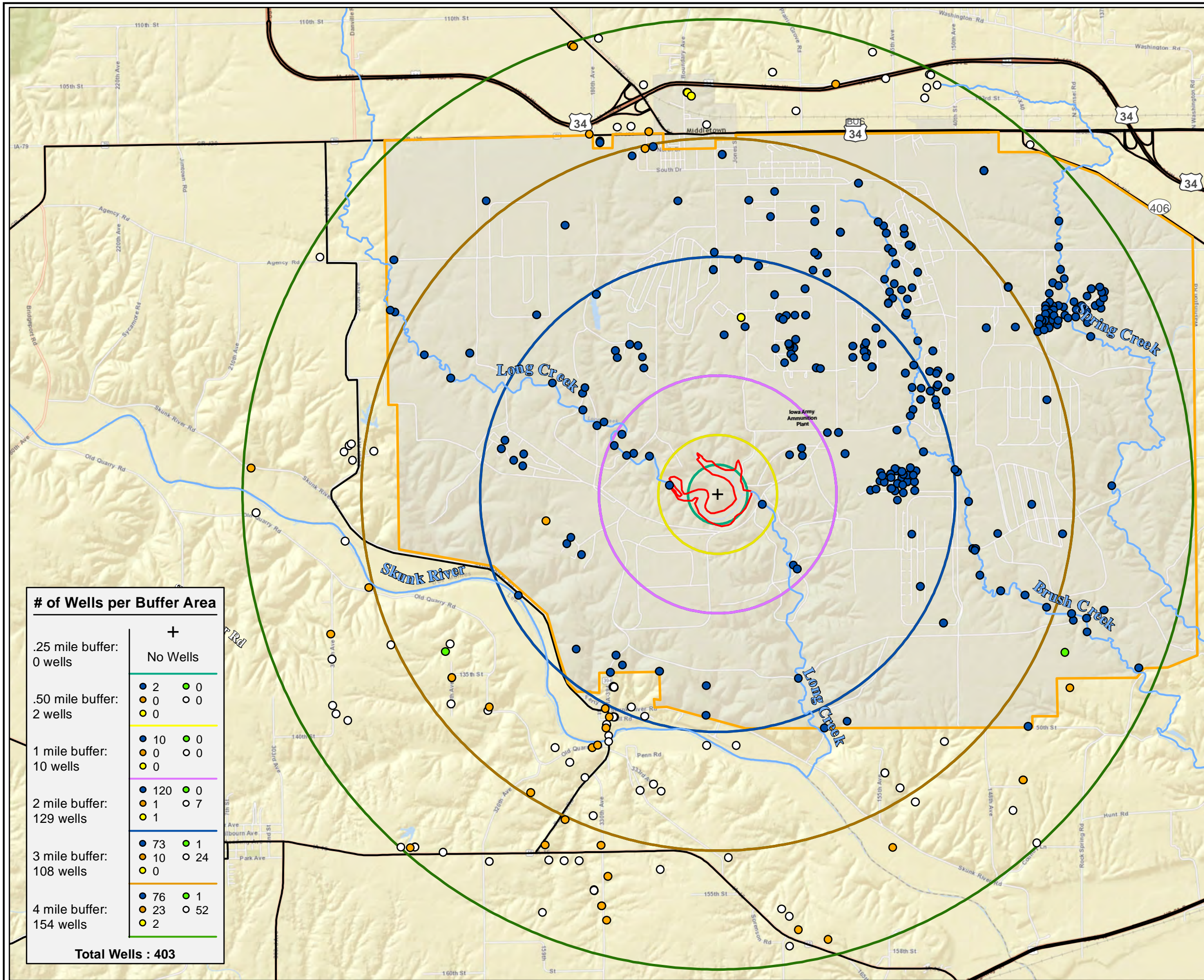
**H&S Environmental, Inc.**

Drawn By: CLH	Scale: 1 inch = 870 meters	Rev:
Checked By:	Date Drawn: 7/16/2015	
Submitted By:	Revision Date:	



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Data is projected to the UTM Coordinate System:  
NAD 1983 UTM Zone 15N

Mathes Lake  
Iowa Army Ammunition Plant (IAAAP)  
Des Moines County, Iowa

### Plate 4

## Well Location Map

H & S Environmental, Inc.  
Contract W9128F-13-D-0031

### Legend

- + Mathes Lake Centerpoint
- Mathes Lake
- IAAAP Boundary

### Well Usage

- MONITORING
- HOUSEHOLD USE ONLY
- MUNICIPAL
- IRRIGATION
- OTHER

### Buffer Distances

- 0.25 miles
- 2 miles
- 0.5 miles
- 3 miles
- 1 miles
- 4 miles

Buffers based on Mathes Lake centerpoint.

# of Wells per Buffer Area	+	
.25 mile buffer: 0 wells	No Wells	
.50 mile buffer: 2 wells	<span style="color: blue;">●</span> 2	<span style="color: green;">●</span> 0
1 mile buffer: 10 wells	<span style="color: orange;">●</span> 0	<span style="color: black;">○</span> 0
2 mile buffer: 129 wells	<span style="color: yellow;">●</span> 0	<span style="color: black;">○</span> 0
3 mile buffer: 108 wells	<span style="color: blue;">●</span> 10	<span style="color: green;">●</span> 0
4 mile buffer: 154 wells	<span style="color: orange;">●</span> 0	<span style="color: black;">○</span> 0
	<span style="color: yellow;">●</span> 0	<span style="color: black;">○</span> 0
	<span style="color: blue;">●</span> 120	<span style="color: green;">●</span> 0
	<span style="color: orange;">●</span> 1	<span style="color: black;">○</span> 7
	<span style="color: yellow;">●</span> 1	<span style="color: black;">○</span> 0
	<span style="color: blue;">●</span> 73	<span style="color: green;">●</span> 1
	<span style="color: orange;">●</span> 10	<span style="color: black;">○</span> 24
	<span style="color: yellow;">●</span> 0	<span style="color: black;">○</span> 0
	<span style="color: blue;">●</span> 76	<span style="color: green;">●</span> 1
	<span style="color: orange;">●</span> 23	<span style="color: black;">○</span> 52
	<span style="color: yellow;">●</span> 2	<span style="color: black;">○</span> 0
<b>Total Wells : 403</b>		

**USACE**  
Omaha District

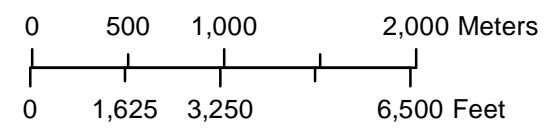
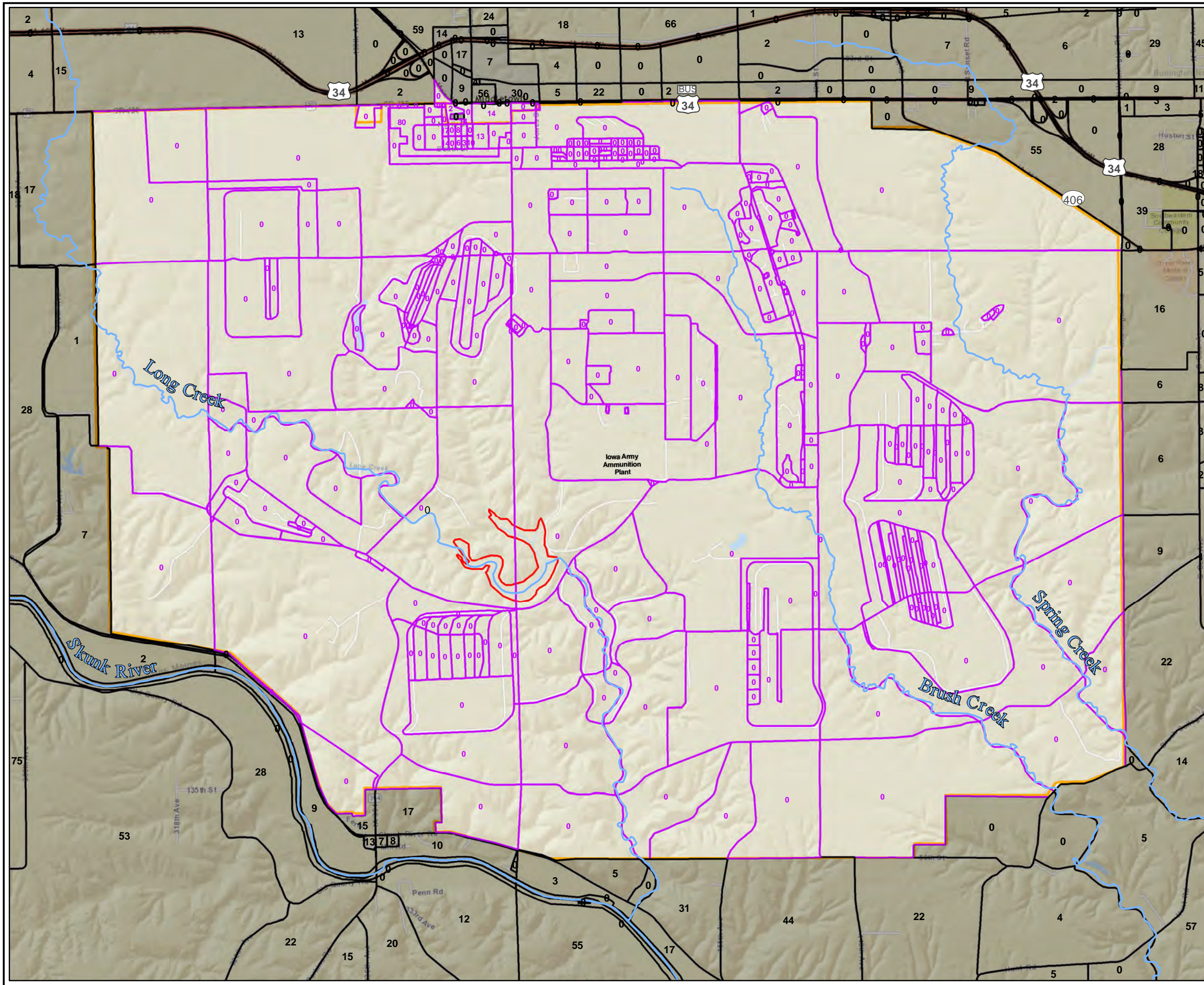
**H&S Environmental, Inc.**

Drawn By: CLH	Scale: 1 inch = 1,270 meters	Rev:
Checked By:	Date Drawn: 7/14/2015	
Submitted By:	Revision Date:	



Path: S:\Omaha PA\Mathes Lake\Maps\MXD\Plate4 Well Location Map.mxd





Data is projected to the UTM Coordinate System:  
NAD 1983 UTM Zone 15N

Mathes Lake  
Iowa Army Ammunition Plant (IAAAP)  
Des Moines County, Iowa

### Plate 5

## Population Map

H & S Environmental, Inc.  
Contract W9128F-13-D-0031

### Legend


- Major Roads
- Water Flow
- Mathes Lake
- IAAAP Boundary

### 2010 Census Block Groups

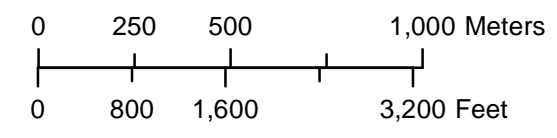
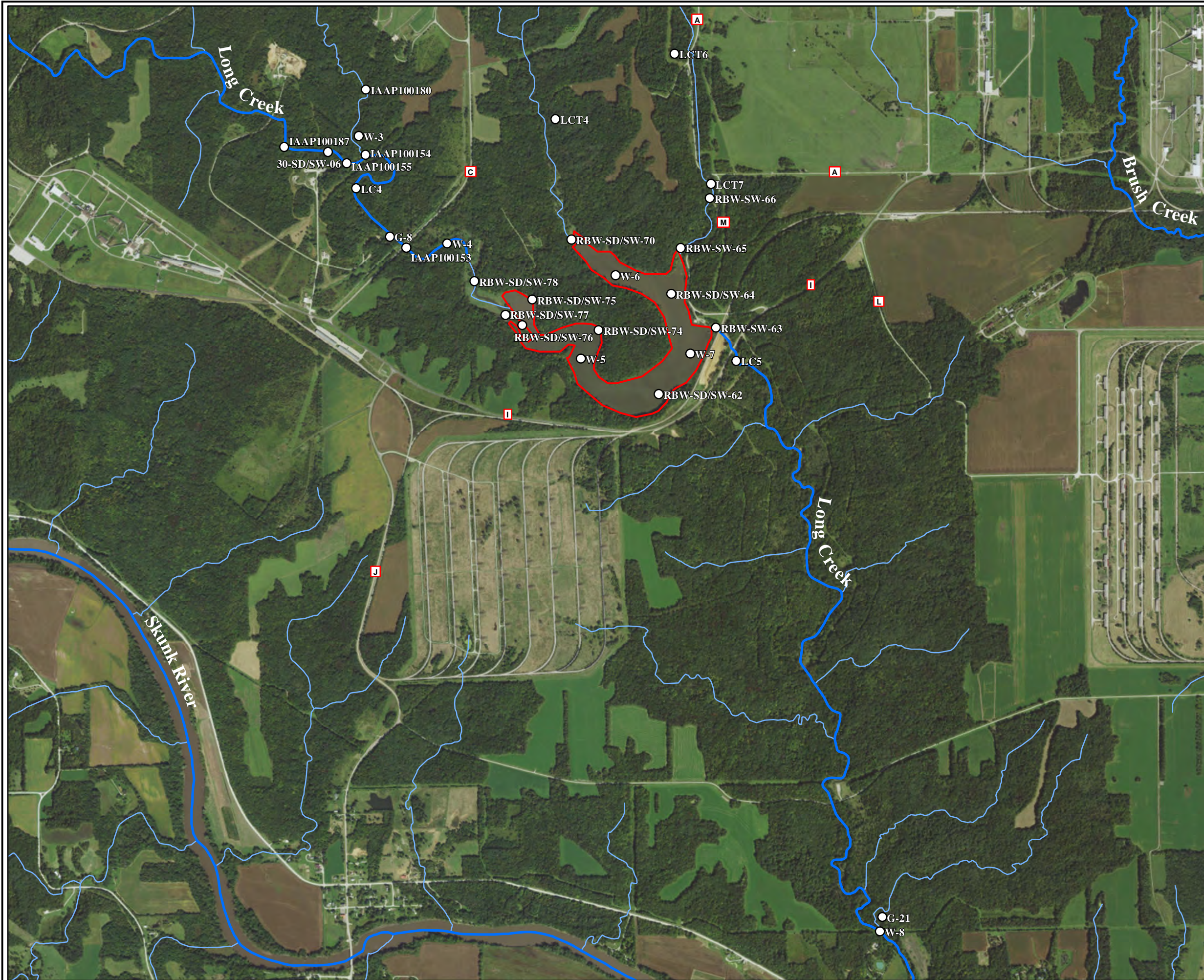
- Does not intersect IAAAP
- Intersects IAAAP

### Notes:

Census Block Groups layer obtained from 2010 census data.  
Purple numbers indicate population of block groups that intersect the IAAAP.  
Total population of block groups that intersect the IAAAP is 181.

<b>USACE</b> Omaha District		<b>H&amp;S Environmental, Inc.</b>	
Drawn By: CLH	Scale: 1 inch = 1,000 meters	Rev:	
Checked By:	Date Drawn: 6/25/2015		
Submitted By:	Revision Date:		
		Path: S:\Omaha PA\Mathes Lake\Maps\MXD\Plate5 Population Map.mxd	





Data is projected to the UTM Coordinate System:  
NAD 1983 UTM Zone 15N

Mathes Lake  
Iowa Army Ammunition Plant (IAAAP)  
Des Moines County, Iowa

### Plate 6

## Historical Sampling Location Map

H & S Environmental, Inc.  
Contract W9128F-13-D-0031

### Legend

- Historical Sampling Points
- Water Flow
- Water Flow Tributary
- ▭ Mathes Lake
- ▭ Plant Road Name

**USACE**  
Omaha District

**H&S Environmental, Inc.**

Drawn By: CLH

Scale: 1 inch = 500 meters

Rev:

Checked By:

Date Drawn: 7/16/2015

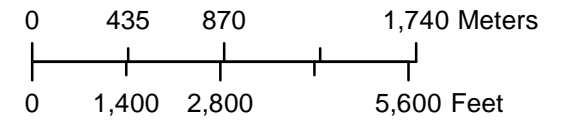
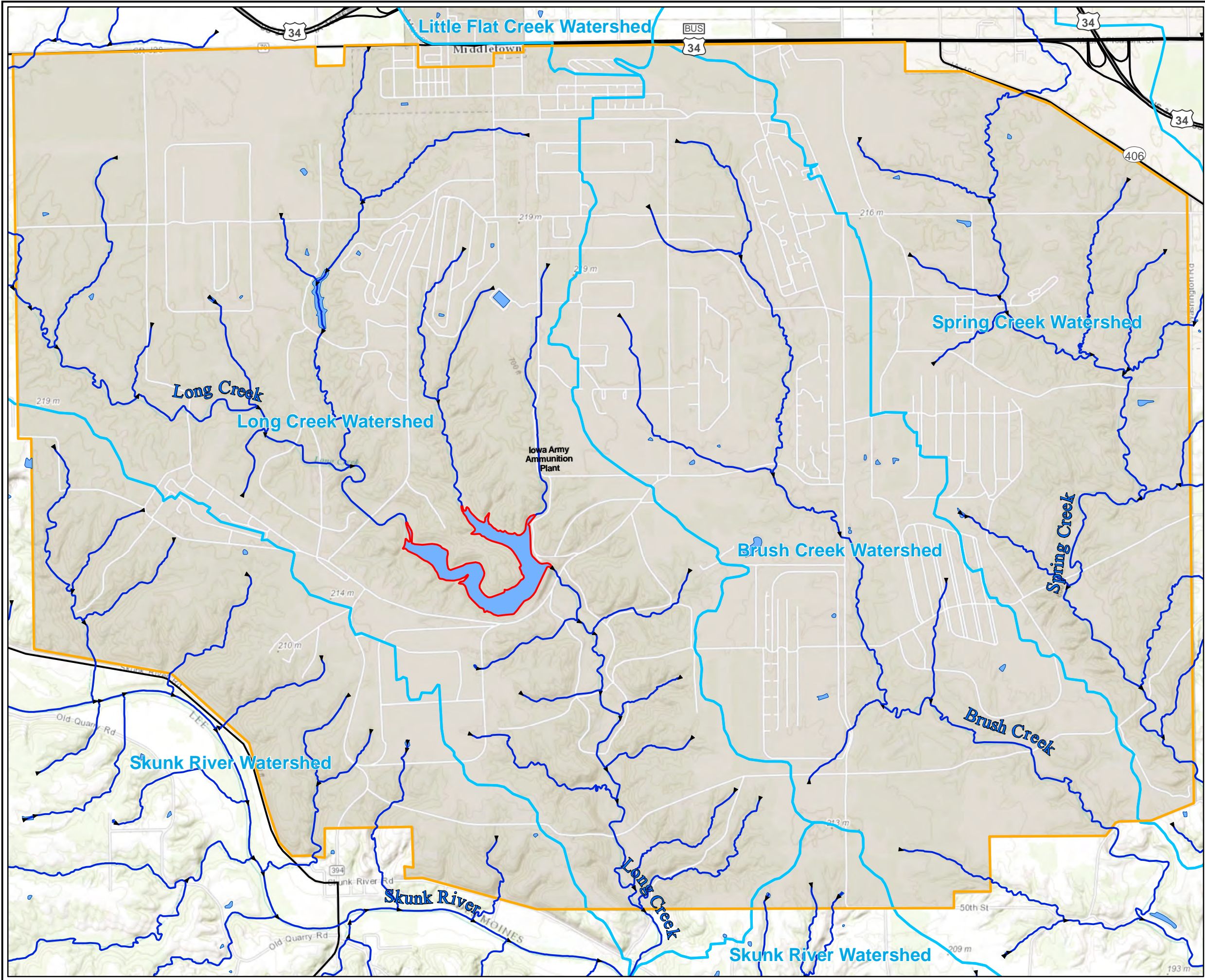
Submitted By:

Revision Date:



Path: S:\Omaha PA\Mathes Lake\Maps\MXD\Plate6 Historical Sampling Locations Map.mxd





Data is projected to the UTM Coordinate System:  
NAD 1983 UTM Zone 15N

Mathes Lake  
Iowa Army Ammunition Plant (IAAAP)  
Des Moines County, Iowa

### Plate 7

## Surface Water Pathway On-Site Map

H & S Environmental, Inc.  
Contract W9128F-13-D-0031

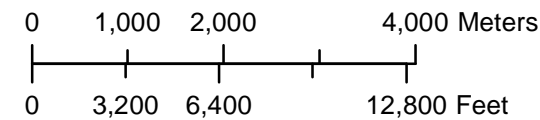
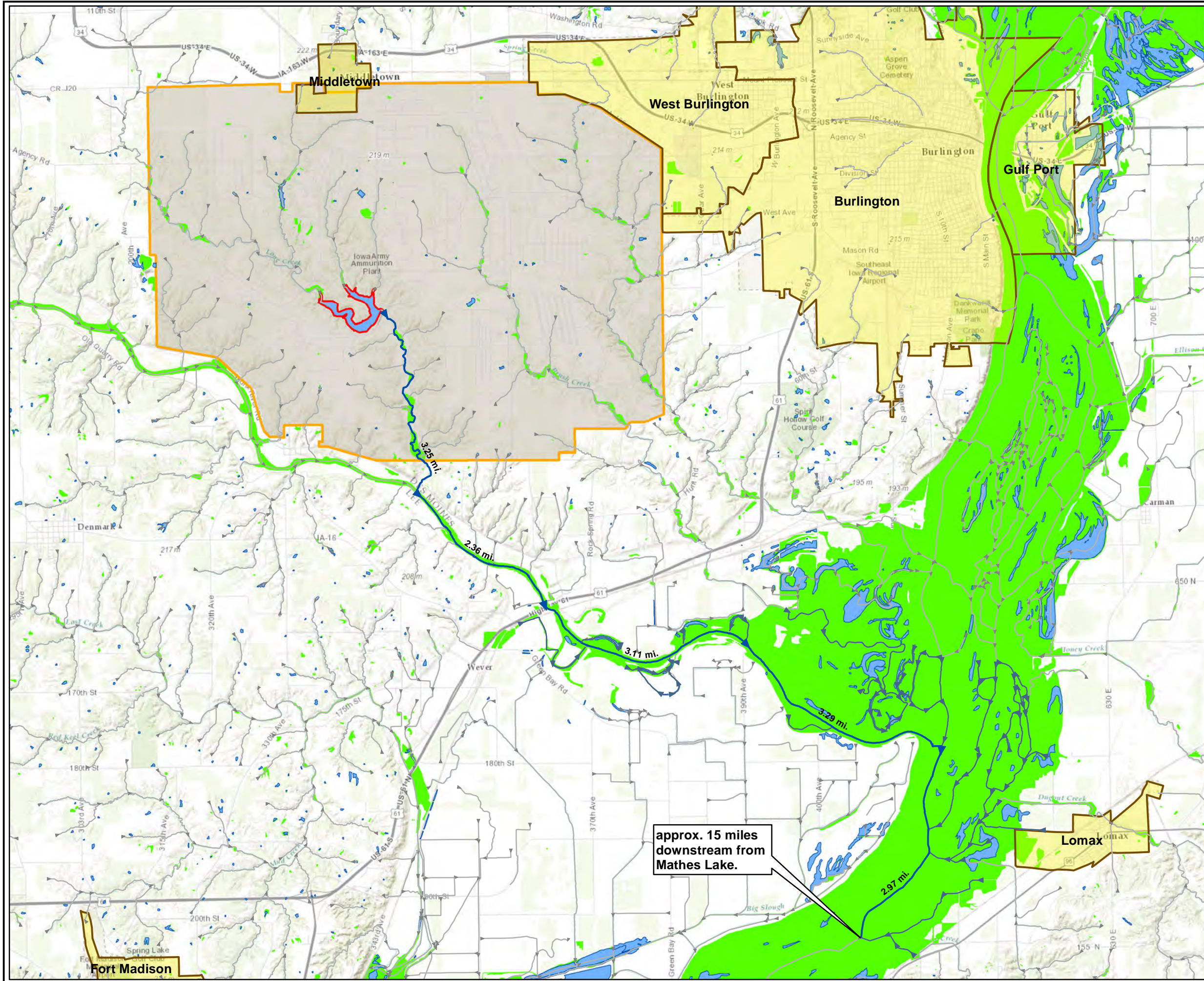
### Legend

- Major Roads
- Elevation Contours (feet) - 10' intervals
- Water Flow (arrow indicates direction)
- Mathes Lake
- Water Body
- IAAAP Boundary
- Watersheds

**Note:**  
Wetlands Data obtained from USFWS

<b>USACE Omaha District</b>		<b>H&amp;S Environmental, Inc.</b>	
Drawn By: CLH	Scale: 1 inch = 870 meters	Rev:	
Checked By:	Date Drawn: 7/16/2015		
Submitted By:	Revision Date:		
		Path: S:\Omaha PA\Mathes Lake\Maps\MXD\Plate7 Surface Water Pathway Onsite Map.mxd	





Data is projected to the UTM Coordinate System:  
NAD 1983 UTM Zone 15N

Mathes Lake  
Iowa Army Ammunition Plant (IAAAP)  
Des Moines County, Iowa

### Plate 8

## Surface Water Pathway 15 mile Downstream Map

H & S Environmental, Inc.  
Contract W9128F-13-D-0031

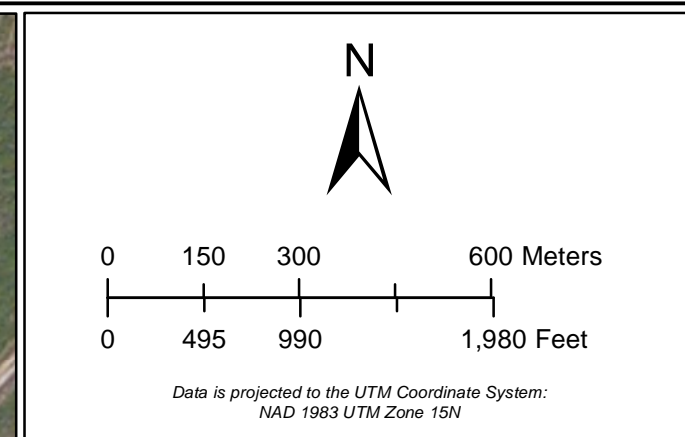
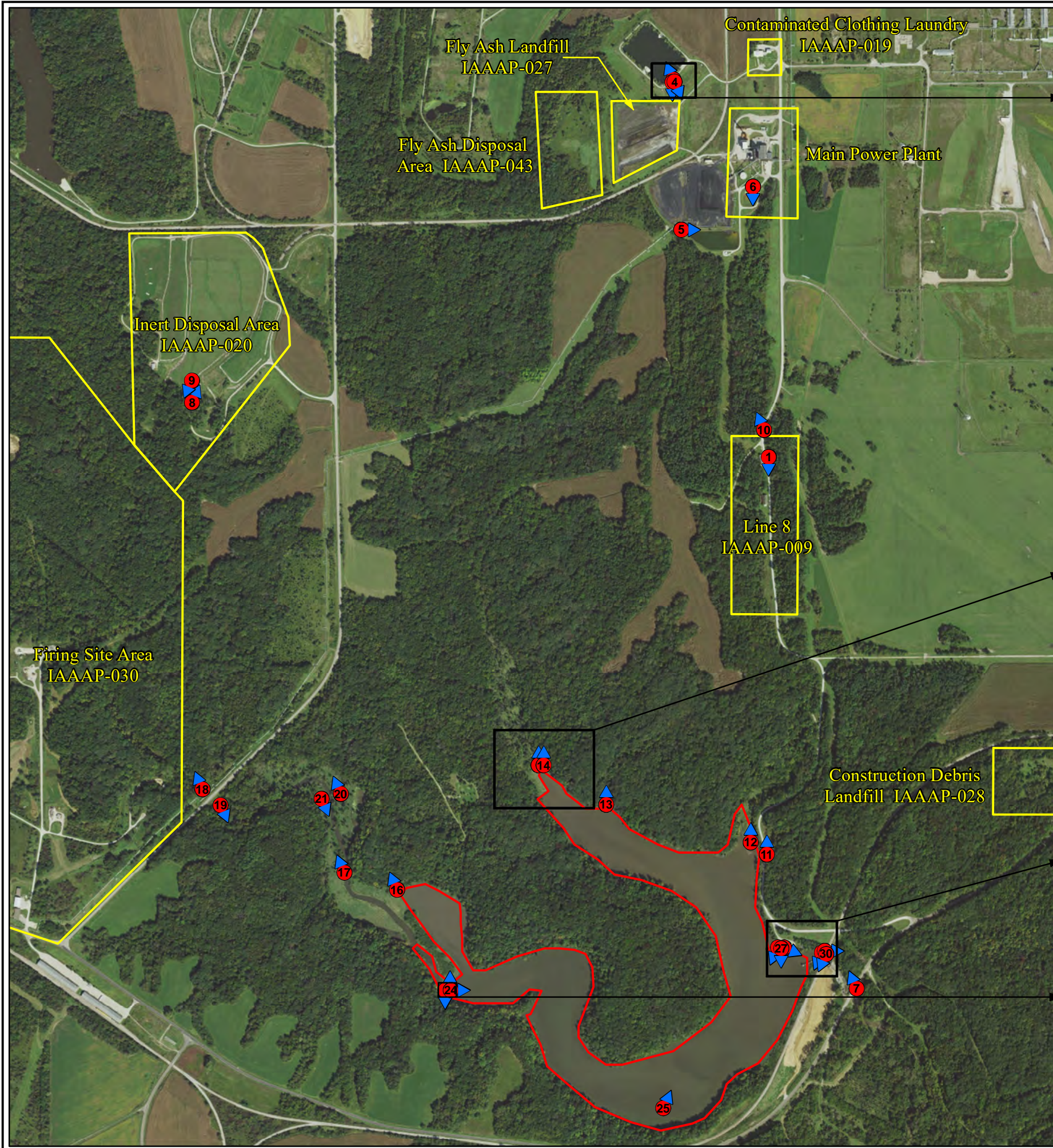
#### Legend

- Main Flow from Mathes Lake
- Flood Area Flow Affected by Main Water Flow
- Mathes Lake
- Water Body
- Wetlands
- IAAAP Boundary
- City Boundaries

**Note:**  
Wetlands Data obtained from USFWS

<b>USACE Omaha District</b>		<b>H&amp;S Environmental, Inc.</b>	
Drawn By: CLH	Scale: 1 inch = 2,000 meters	Rev:	
Checked By:	Date Drawn: 7/16/2015		
Submitted By:	Revision Date:		
		Path: S:\Omaha PA\Mathes Lake\Maps\MXD\Plate8 Surface Water Pathway 15mi Downstream	





Mathes Lake  
Iowa Army Ammunition Plant (IAAAP)  
Des Moines County, Iowa

## Plate 9

### Photo Log Map

H & S Environmental, Inc.  
Contract W9128F-13-D-0031

#### Legend

**Photo Location**

- indicates direction of photo
- indicates photo ID from photo log
- Significant Features (IAAAP)
- Mathes Lake

<b>USACE</b> Omaha District		<b>H&amp;S Environmental, Inc.</b>	
Drawn By: CLH	Scale: 1 inch = 300 meters	Rev:	
Checked By:	Date Drawn: 7/14/2015		
Submitted By:	Revision Date:		
		Path: S:\Omaha PA\Mathes Lake\Maps\MXD\Plate9 Photo Log Map.mxd	



## **APPENDIX J.**

### References

This appendix contains the EDR Radius Atlas Report for a 5-Mile Radius search from Mathes Lake for the Preliminary Assessment of Mathes Lake, Des Moines County, Middletown, Iowa.

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**Lake Mathes**

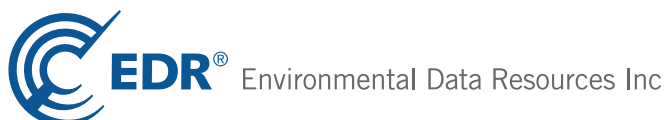
Lake Mathes

West Burlington, IA 52655

Inquiry Number: 4287912.2s

May 08, 2015

# The EDR Radius Atlas™



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)



# TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary .....	ES1
Overview Map .....	2
Details Maps .....	3
Map Findings Summary .....	28
Map Findings .....	32
Orphan Summary .....	538
Government Records Searched/Data Currency Tracking .....	GR-1

## GEOCHECK ADDENDUM

GeoCheck - Not Requested

*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

LAKE MATHES  
WEST BURLINGTON, IA 52655

#### COORDINATES

Latitude (North): 40.7831000 - 40° 46' 59.16"  
Longitude (West): 91.2569000 - 91° 15' 24.84"  
Universal Transverse Mercator: Zone 15  
UTM X (Meters): 647084.2  
UTM Y (Meters): 4515929.5  
Elevation: 678 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 40091-G3 DANVILLE, IA  
Most Recent Revision: 1981

East Map: 40091-G2 WEST BURLINGTON, IA  
Most Recent Revision: 1976

### 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*

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

## EXECUTIVE SUMMARY

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

Delisted NPL..... National Priority List Deletions

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

FEDERAL FACILITY..... Federal Facility Site Information listing

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

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

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

LUCIS..... Land Use Control Information 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***

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

FEMA UST..... Underground Storage Tank Listing

### ***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***

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

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

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

IA DEL SHWS..... Delisted Contaminated Sites Listing



## EXECUTIVE SUMMARY

### **Local Land Records**

LIENS 2 ..... CERCLA Lien Information  
IA LIENS ..... Liens Filed Listing

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

IA SPILLS 90 ..... SPILLS 90 data from FirstSearch

### **Other Ascertainable Records**

DOT OPS ..... Incident and Accident Data  
FUDS ..... Formerly Used Defense Sites  
CONSENT ..... Superfund (CERCLA) Consent Decrees  
UMTRA ..... Uranium Mill Tailings Sites  
SSTS ..... Section 7 Tracking Systems  
RADINFO ..... Radiation Information Database  
IA DRYCLEANERS ..... Iowa Drycleaner List  
INDIAN RESERV ..... Indian Reservations  
SCRD DRYCLEANERS ..... State Coalition for Remediation of Drycleaners Listing  
COAL ASH EPA ..... Coal Combustion Residues Surface Impoundments List  
US FIN ASSUR ..... Financial Assurance Information  
EPA WATCH LIST ..... EPA WATCH LIST  
LEAD SMELTERS ..... Lead Smelter Sites  
COAL ASH DOE ..... Steam-Electric Plant Operation Data  
PRP ..... Potentially Responsible Parties

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

#### **EDR Exclusive Records**

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

### **EDR RECOVERED GOVERNMENT ARCHIVES**

#### **Exclusive Recovered Govt. Archives**

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

### **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.

## EXECUTIVE SUMMARY

### STANDARD ENVIRONMENTAL RECORDS

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

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 12/16/2014 has revealed that there is 1 NPL site within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>IOWA ARMY AMMUNITION</i></b>	<b><i>17571 STATE HWY 79</i></b>	<b><i>0 - 1/8 (0.000 mi.)</i></b>	<b><i>0</i></b>	<b><i>32</i></b>

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

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

A review of the CERCLIS list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 CERCLIS site within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>IOWA ARMY AMMUNITION</i></b>	<b><i>17571 STATE HWY 79</i></b>	<b><i>0 - 1/8 (0.000 mi.)</i></b>	<b><i>0</i></b>	<b><i>32</i></b>

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

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/09/2014 has revealed that there are 2 CORRACTS sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>IOWA ARMY AMMUNITION</i></b>	<b><i>17571 STATE HWY 79</i></b>	<b><i>0 - 1/8 (0.000 mi.)</i></b>	<b><i>0</i></b>	<b><i>32</i></b>
<b><i>ICI AMERICAS INC</i></b>	<b><i>17575 HWY 79</i></b>	<b><i>NNW &gt;2 (3.116 mi.)</i></b>	<b><i>F81</i></b>	<b><i>257</i></b>

## EXECUTIVE SUMMARY

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

RCRA-TSDF: 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.

A review of the RCRA-TSDF list, as provided by EDR, and dated 12/09/2014 has revealed that there are 2 RCRA-TSDF sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>IOWA ARMY AMMUNITION</b>	<b>17571 STATE HWY 79</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>0</b>	<b>32</b>
<b>ICI AMERICAS INC</b>	<b>17575 HWY 79</b>	<b>NNW &gt;2 (3.116 mi.)</b>	<b>F81</b>	<b>257</b>

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

RCRA-LQG: 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.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/09/2014 has revealed that there is 1 RCRA-LQG site within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>IOWA ARMY AMMUNITION</b>	<b>17571 STATE HWY 79</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>0</b>	<b>32</b>

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 12/09/2014 has revealed that there are 3 RCRA-SQG sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>ICI AMERICAS INC</b>	<b>17575 HWY 79</b>	<b>NNW &gt;2 (3.116 mi.)</b>	<b>F81</b>	<b>257</b>
<b>RILEY INDUSTRIAL PAI</b>	<b>15310 HWY 34 W</b>	<b>NE &gt;2 (3.956 mi.)</b>	<b>M110</b>	<b>406</b>
<b>IOWA DEPT OF TRANSP</b>	<b>617 BEAVERDALE RD</b>	<b>NE &gt;2 (4.292 mi.)</b>	<b>O129</b>	<b>434</b>



## EXECUTIVE SUMMARY

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

A review of the RCRA-CESQG list, as provided by EDR, and dated 12/09/2014 has revealed that there are 5 RCRA-CESQG sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BIG RIVER RESOURCES	15210 103RD ST	NNE >2 (3.883 mi.)	L108	392
<b>COLLISION CENTER COR</b>	<b>4000 W MT PLEASANT S</b>	<b>NE &gt;2 (4.083 mi.)</b>	<b>M123</b>	<b>429</b>
FEDEX FREIGHT INC BR	14432 WASHINGTON RD	NNE >2 (4.369 mi.)	Q142	444
<b>UNITED PARCEL SERVIC</b>	<b>2514 W MT PLEASANT C</b>	<b>NE &gt;2 (4.671 mi.)</b>	<b>V203</b>	<b>486</b>
<b>GREAT RIVER MEDICAL</b>	<b>1221 S GEAR AVE</b>	<b>ENE &gt;2 (4.865 mi.)</b>	<b>W209</b>	<b>497</b>

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

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 09/18/2014 has revealed that there is 1 US ENG CONTROLS site within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>IOWA ARMY AMMUNITION</b>	<b>17571 STATE HWY 79</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>0</b>	<b>32</b>

US INST CONTROL: 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.

A review of the US INST CONTROL list, as provided by EDR, and dated 09/18/2014 has revealed that there is 1 US INST CONTROL site within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>IOWA ARMY AMMUNITION</b>	<b>17571 STATE HWY 79</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>0</b>	<b>32</b>

### ***Federal ERNS list***

ERNS: The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 09/29/2014 has revealed that there are 30 ERNS sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	17571 STATE HWY 79	NNW >2 (3.115 mi.)	F38	218
Not reported	17575 STATE HWY 79	NNW >2 (3.116 mi.)	F43	220
Not reported	17575 ST HWY 79	NNW >2 (3.116 mi.)	F46	225

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	17575 ST HWY 79	NNW >2 (3.116 mi.)	F48	225
Not reported	17575 STATE HWY 79	NNW >2 (3.116 mi.)	F50	226
Not reported	17575 ST HWY 79	NNW >2 (3.116 mi.)	F51	227
Not reported	17575 STATE HWY 79	NNW >2 (3.116 mi.)	F52	227
Not reported	17575 ST HWY 79	NNW >2 (3.116 mi.)	F53	227
Not reported	17575 ST HWY 79	NNW >2 (3.116 mi.)	F56	228
Not reported	17575 STATE HWY 79	NNW >2 (3.116 mi.)	F57	228
Not reported	17575 STATE HWY 79	NNW >2 (3.116 mi.)	F58	228
Not reported	17575 ST HWY 79	NNW >2 (3.116 mi.)	F59	228
Not reported	17575 STATE HWY 79	NNW >2 (3.116 mi.)	F60	229
Not reported	17575 STATE HWY 79	NNW >2 (3.116 mi.)	F61	229
Not reported	17575 ST HWY 79	NNW >2 (3.116 mi.)	F62	229
Not reported	17575 ST HWY 79	NNW >2 (3.116 mi.)	F63	229
Not reported	17575 ST HWY 79	NNW >2 (3.116 mi.)	F64	229
Not reported	17575 STATE HIGHWAY	NNW >2 (3.116 mi.)	F65	229
Not reported	17575 ST HWY 79	NNW >2 (3.116 mi.)	F66	230
Not reported	17575 STATE HWY 79	NNW >2 (3.116 mi.)	F67	230
Not reported	17575 ST HWY 79	NNW >2 (3.116 mi.)	F68	230
Not reported	17575 ST HWY 79	NNW >2 (3.116 mi.)	F69	230
Not reported	17575 STATE HWY 79	NNW >2 (3.116 mi.)	F70	230
Not reported	17575 STATE HWY 79	NNW >2 (3.116 mi.)	F74	244
Not reported	17575 STATE HWY 79	NNW >2 (3.116 mi.)	F75	244
Not reported	17575 STATE HWY 79	NNW >2 (3.116 mi.)	F76	244
Not reported	17575 STATE HWY 79	NNW >2 (3.116 mi.)	F79	256
Not reported	10135 S. PRAIRI GROV	NNE >2 (3.145 mi.)	H87	326
Not reported	1514 303RD AVE	SW >2 (4.884 mi.)	Z218	513
Not reported	1514 303RD AVE.	SW >2 (4.884 mi.)	Z221	524

### ***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 03/10/2015 has revealed that there are 4 IA SWF/LF sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
IOWA ARMY AMMUNITION Facility Id: 29-SDP-05-89 Permit Stage: Closure		N 1 - 2 (1.430 mi.)	1	175
<b><i>IOWA ARMY AMMUNITION</i></b> Facility Id: 29-SDP-03-82 Permit Stage: Operation Permit	<b><i>17571 STATE HWY 79</i></b>	<b><i>NNW &gt;2 (3.115 mi.)</i></b>	<b><i>F36</i></b>	<b><i>212</i></b>
<b><i>IOWA ARMY AMMUNITION</i></b> Facility Id: 29-SDP-10-04 Facility Id: 29-SDP-11-06 Permit Stage: Operation Permit Permit Stage: Rescission	<b><i>17575 DMC HIGHWAY 79</i></b>	<b><i>NNW &gt;2 (3.116 mi.)</i></b>	<b><i>F78</i></b>	<b><i>253</i></b>
<b><i>DES MOINES COUNTY RE</i></b> Facility Id: 29-ADP-01-03 Facility Id: 29-SDP-01-76 Facility Id: 29-SDP-08-00 Permit Stage: Operation Permit Permit Stage: Rescission	<b><i>13758 WASHINGTON RD</i></b>	<b><i>NNE &gt;2 (4.418 mi.)</i></b>	<b><i>Q176</i></b>	<b><i>454</i></b>

## EXECUTIVE SUMMARY

### **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 03/10/2015 has revealed that there are 10 IA LUST sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>IOWA ARMY AMMUNITION</b> FORMER GAS STATION Leak Status: 0 Facility Id: 5813	<b>17571 STATE HWY 79</b> 105 MECHANIC STREET	<b>0 - 1/8 (0.000 mi.)</b> N >2 (3.047 mi.)	<b>0</b> D14	<b>32</b> 188
<b>LIL JENNY'S QUICK #7</b> Leak Status: 0 Facility Id: 4411	<b>17301 STATE HWY 79</b>	<b>N &gt;2 (3.077 mi.)</b>	<b>E17</b>	<b>192</b>
<b>IOWA ARMY AMMUNITION</b> Leak Status: Stopped Facility Id: 2910	<b>17575 HIGHWAY 79</b>	<b>NNW &gt;2 (3.116 mi.)</b>	<b>F73</b>	<b>234</b>
<b>34 TRUCK STOP</b> Leak Status: Unknown Facility Id: 4177	<b>4305 W MOUNT PLEASAN</b>	<b>NE &gt;2 (4.004 mi.)</b>	<b>M120</b>	<b>419</b>
<b>IDOT MAINT GARAGE</b> Leak Status: Unknown Facility Id: 4286	<b>645 N BEAVERDALE RD</b>	<b>NE &gt;2 (4.310 mi.)</b>	<b>O132</b>	<b>437</b>
<b>WASHINGTON HEIGHTS C</b> Leak Status: Stopped Facility Id: 4192	<b>13528 WASHINGTON RD</b>	<b>NNE &gt;2 (4.428 mi.)</b>	<b>R184</b>	<b>469</b>
<b>DES MOINES COUNTY SH</b> Leak Status: Stopped Facility Id: 4191	<b>13522 WASHINGTON RD</b>	<b>NNE &gt;2 (4.428 mi.)</b>	<b>R186</b>	<b>474</b>
<b>UNITED PARCEL SERVIC</b> Leak Status: Stopped Facility Id: 2877	<b>2514 W MT PLEASANT C</b>	<b>NE &gt;2 (4.671 mi.)</b>	<b>V203</b>	<b>486</b>
<b>BOHNENKAMP'S</b> Leak Status: Unknown Facility Id: 4787	<b>351 ACADEMY</b>	<b>SW &gt;2 (4.892 mi.)</b>	<b>225</b>	<b>526</b>

### **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 03/10/2015 has revealed that there are 17 IA UST sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>IOWA ARMY AMMUNITION</b>	<b>17571 STATE HWY 79</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>0</b>	<b>32</b>



## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HEINOLD QUARRY Facility Id: 1836 Registration: 198601283	RFD	WNW >2 (2.890 mi.)	6	179
<b>CASEY'S GENERAL STOR</b> Facility Id: 6864 Registration: 198606554	<b>75 MAIN ST</b>	<b>N &gt;2 (3.022 mi.)</b>	<b>B8</b>	<b>184</b>
<b>LIL JENNY'S QUICK #7</b> Facility Id: 9580 Registration: 198609477	<b>17301 STATE HWY 79</b>	<b>N &gt;2 (3.077 mi.)</b>	<b>E17</b>	<b>192</b>
IOWA ARMY AMMUNITION Facility Id: 6666 Registration: 198606351	17575 STATE HWY 79	NNW >2 (3.115 mi.)	F39	218
<b>IOWA ARMY AMMUNITION</b> Facility Id: 16607 Facility Id: 6664 Registration: 199017001 Registration: 198606348	<b>17575 HIGHWAY 79</b>	<b>NNW &gt;2 (3.116 mi.)</b>	<b>F73</b>	<b>234</b>
<b>34 TRUCK STOP</b> Facility Id: 9133 Registration: 198608976	<b>4305 W MOUNT PLEASAN</b>	<b>NE &gt;2 (4.004 mi.)</b>	<b>M120</b>	<b>419</b>
<b>IDOT MAINT GARAGE</b> Facility Id: 9388 Registration: 198609272	<b>645 N BEAVERDALE RD</b>	<b>NE &gt;2 (4.310 mi.)</b>	<b>O132</b>	<b>437</b>
<b>RIVER MART</b> Facility Id: 899 Registration: 198600298	<b>14562 WASHINGTON RD</b>	<b>NNE &gt;2 (4.360 mi.)</b>	<b>Q134</b>	<b>442</b>
FRIENDLY TOYOTA INC Facility Id: 1681 Registration: 198601123	HIWAY 34 WEST	NE >2 (4.377 mi.)	P174	452
<b>WASHINGTON HEIGHTS C</b> Facility Id: 9168 Registration: 198609037	<b>13528 WASHINGTON RD</b>	<b>NNE &gt;2 (4.428 mi.)</b>	<b>R184</b>	<b>469</b>
<b>DES MOINES COUNTY SH</b> Facility Id: 9167 Registration: 198609036	<b>13522 WASHINGTON RD</b>	<b>NNE &gt;2 (4.428 mi.)</b>	<b>R186</b>	<b>474</b>
JONES TRUCK LINES IN Facility Id: 2490 Registration: 198601956	BEAVERDALE RD	NNE >2 (4.578 mi.)	201	485
<b>UNITED PARCEL SERVIC</b> Facility Id: 6625 Registration: 198606307	<b>2514 W MT PLEASANT C</b>	<b>NE &gt;2 (4.671 mi.)</b>	<b>V203</b>	<b>486</b>
<b>WESTLAND FAST BREAK</b> Facility Id: 17364 Registration: 199617837	<b>1108 W AGENCY RD</b>	<b>ENE &gt;2 (4.870 mi.)</b>	<b>X210</b>	<b>499</b>
<b>BOHNENKAMP'S</b> Facility Id: 10716 Registration: 198810868	<b>351 ACADEMY</b>	<b>SW &gt;2 (4.892 mi.)</b>	<b>225</b>	<b>526</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>WEVER JUNCTION</b> Facility Id: 17460 Registration: 199717940	<b>1621 GREEN BAY RD</b>	<b>SSE &gt;2 (4.884 mi.)</b>	<b>Y213</b>	<b>501</b>

## EXECUTIVE SUMMARY

IA AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Natural Resources' Aboveground Storage Tank Data list.

A review of the IA AST list, as provided by EDR, and dated 10/06/2014 has revealed that there are 2 IA AST sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LEROY MABEUS Registration Number: 16248	3389 OLD QUARRY RD	S >2 (3.046 mi.)	C13	187
DES MOINES CO. REG. Registration Number: 16083	13758 WASHINGTON RD	NNE >2 (4.418 mi.)	Q178	465

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

Sites currently enrolled in the Land Recycling Program that have Institutional Controls.

A review of the IA INST CONTROL list, as provided by EDR, and dated 04/20/2015 has revealed that there is 1 IA INST CONTROL site within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>IOWA ARMY AMMUNITION</b> Facility Id: 2312 Facility Status: Open	<b>17571 STATE HIGHWAY</b>	<b>NNW &gt;2 (3.115 mi.)</b>	<b>F34</b>	<b>210</b>

### **ADDITIONAL ENVIRONMENTAL RECORDS**

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

US CDL: 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.

A review of the US CDL list, as provided by EDR, and dated 02/25/2015 has revealed that there is 1 US CDL site within approximately 5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
5943 BRUSH COLLEGE R	5943 BRUSH COLLEGE R	ESE >2 (3.841 mi.)	K103	382

## EXECUTIVE SUMMARY

IA ALLSITES: All the sites included in the Contaminated Sites Tracking Database. The database includes several regulatory compliance programs and actions.

A review of the IA ALLSITES list, as provided by EDR, and dated 04/20/2015 has revealed that there is 1 IA ALLSITES site within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>IOWA ARMY AMMUNITION</b> Status: Open Site Id Number: 2312	<b>17571 STATE HIGHWAY</b>	<b>NNW &gt;2 (3.115 mi.)</b>	<b>F34</b>	<b>210</b>

US HIST CDL: 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.

A review of the US HIST CDL list, as provided by EDR, and dated 02/25/2015 has revealed that there are 2 US HIST CDL sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
11686 BEAVERDALE RD	11686 BEAVERDALE RD	NNE >2 (4.890 mi.)	224	526
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
5943 BRUSH COLLEGE	5943 BRUSH COLLEGE	ESE >2 (3.841 mi.)	K104	382

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

HMIRS: The Hazardous Materials Incident Report System contains hazardous material spill incidents reported to the Department of Transportation. The source of this database is the U.S. EPA.

A review of the HMIRS list, as provided by EDR, and dated 12/29/2014 has revealed that there are 43 HMIRS sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	17575 HIGHWAY 79	NNW >2 (3.116 mi.)	F40	218
10135 S PRARIE GROVE	10135 S PRARIE GROVE	NNE >2 (3.149 mi.)	H90	349
Not reported	14432 WASHINGTON ROA	NNE >2 (4.365 mi.)	Q136	443
Not reported	14432 WASHINGTON RD	NNE >2 (4.369 mi.)	Q137	443
Not reported	14432 WASHINGTON ROA	NNE >2 (4.369 mi.)	Q138	443
Not reported	14432 WASHINGTON RD	NNE >2 (4.369 mi.)	Q139	444
Not reported	14432 WASHINGTON ROA	NNE >2 (4.369 mi.)	Q140	444
Not reported	14432 WASHINGTON RD	NNE >2 (4.369 mi.)	Q141	444
Not reported	14432 WASHINGTON RD	NNE >2 (4.369 mi.)	Q143	447
Not reported	14432 WASHINGTON ROA	NNE >2 (4.369 mi.)	Q144	447
Not reported	14432 WASHINGTON RD	NNE >2 (4.369 mi.)	Q146	448
Not reported	14432 WASHINGTON ROA	NNE >2 (4.369 mi.)	Q147	448
Not reported	14432 WASHINGTON RD	NNE >2 (4.369 mi.)	Q148	448
Not reported	14432 WASHINGTON RD	NNE >2 (4.369 mi.)	Q149	448
Not reported	14432 WASHINGTON ROA	NNE >2 (4.369 mi.)	Q150	448



## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	14432 WASHINGTON RD	NNE >2 (4.369 mi.)	Q151	449
Not reported	14432 WASHINGTON RD	NNE >2 (4.369 mi.)	Q152	449
Not reported	14432 WASHINGTON ROA	NNE >2 (4.369 mi.)	Q153	449
Not reported	14432 WASHINGTON RD	NNE >2 (4.369 mi.)	Q154	449
Not reported	14432 WASHINGTON ROA	NNE >2 (4.369 mi.)	Q155	449
14432 WASHINGTON ROA	14432 WASHINGTON ROA	NNE >2 (4.369 mi.)	Q156	449
Not reported	14432 WASHINGTON RD	NNE >2 (4.369 mi.)	Q157	450
Not reported	14432 WASHINGTON RD	NNE >2 (4.369 mi.)	Q158	450
Not reported	14432 WASHINGTON ROA	NNE >2 (4.369 mi.)	Q159	450
Not reported	14432 WASHINGTON ROA	NNE >2 (4.369 mi.)	Q160	450
Not reported	14432 WASHINGTON ROA	NNE >2 (4.369 mi.)	Q161	450
Not reported	14432 WASHINGTON ROA	NNE >2 (4.369 mi.)	Q162	450
14432 WASHINGTON ROA	14432 WASHINGTON ROA	NNE >2 (4.369 mi.)	Q163	451
Not reported	14432 WASHINGTON ROA	NNE >2 (4.369 mi.)	Q164	451
Not reported	14432 WASHINGTON RD	NNE >2 (4.369 mi.)	Q165	451
Not reported	14432 WASHINGTON ROA	NNE >2 (4.369 mi.)	Q166	451
Not reported	14432 WASHINGTON RD	NNE >2 (4.369 mi.)	Q167	451
Not reported	14432 WASHINGTON ROA	NNE >2 (4.369 mi.)	Q168	451
Not reported	14432 WASHINGTON RD	NNE >2 (4.369 mi.)	Q169	452
14432 WASHINGTON RD	14432 WASHINGTON RD	NNE >2 (4.369 mi.)	Q170	452
14432 WASHINGTON ROA	14432 WASHINGTON ROA	NNE >2 (4.369 mi.)	Q171	452
Not reported	14432 WASHINGTON RD	NNE >2 (4.369 mi.)	Q172	452
Not reported	14432 WASHINGTON ROA	NNE >2 (4.369 mi.)	Q173	452
Not reported	11432 WASHINGTON AVE	NNE >2 (4.540 mi.)	U197	484
Not reported	11432 WASHINGTON RD	NNE >2 (4.541 mi.)	U198	484
Not reported	11432 WASHINGTON RD	NNE >2 (4.541 mi.)	U199	484
Not reported	11432 WASHINGTON ROA	NNE >2 (4.541 mi.)	U200	485
2514 W. MT. PLEASANT	2514 W. MT. PLEASANT	NE >2 (4.671 mi.)	V202	486

### IA SPILLS: The List of Spills Incidents from the Department of Natural Resources

A review of the IA SPILLS list, as provided by EDR, and dated 03/10/2015 has revealed that there are 29 IA SPILLS sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>IOWA ARMY NATIONAL G</b> Facility Id: 052411-AHB-1021	<b>16815 HWY 34</b>	<b>N &gt;2 (3.028 mi.)</b>	<b>B10</b>	<b>186</b>
Not reported Facility Id: 09187-SD-0814	BUILDING 3A70-1	NNW >2 (3.111 mi.)	F20	200
Not reported Facility Id: 01049-PB-0822	IOWA ARMY AMMUNITION	NNW >2 (3.111 mi.)	F21	201
Not reported Facility Id: 05269-DLP-1703	IOWA ARMY AMMUNITION	NNW >2 (3.111 mi.)	F22	202
Not reported Facility Id: 06299-DLP-1400	IOWA ARMY AMMUNITION	NNW >2 (3.111 mi.)	F23	203
Not reported Facility Id: 01289-DLP-1735	STATE HWY 79, NEAR M	NNW >2 (3.111 mi.)	F24	203
Not reported Facility Id: 02127-PB-1500	IOWA ARMY AMMUNITION	NNW >2 (3.111 mi.)	F25	204
Not reported Facility Id: 01049-SD-1322	IOWA ARMY AMMUNITION	NNW >2 (3.111 mi.)	F26	205

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported Facility Id: 03277-SM-0826	IOWA ARMY AMMUNITION	NNW >2 (3.111 mi.)	F27	206
Not reported Facility Id: 02209-DLP-0940	IOWA ARMY AMMUNITION	NNW >2 (3.111 mi.)	F28	206
Not reported Facility Id: 02197-SM-1720	IOWA ARMY AMMUNITION	NNW >2 (3.111 mi.)	F29	207
Not reported Facility Id: 04037-SM-1347	IOWA ARMY AMMUNITION	NNW >2 (3.111 mi.)	F30	208
Not reported Facility Id: 040506-MRH-0950	17575 HWY 79	NNW >2 (3.111 mi.)	F31	209
Not reported Facility Id: 10156-RK-1500	17575 HWY. 79	NNW >2 (3.111 mi.)	F32	209
Not reported Facility Id: 09057-RK-1515	17575 STATE HIGHWAY	NNW >2 (3.116 mi.)	F71	230
Not reported Facility Id: 090701-CWO-0333 Facility Id: 09168-RK-1540 Facility Id: 11087-RK-2303 Facility Id: 10198-RK-0823	17575 STATE HWY 79	NNW >2 (3.116 mi.)	F72	231
<b>IOWA ARMY AMMUNITION</b> Facility Id: 022012-JJS-2346	<b>17575 DMC HIGHWAY 79</b>	<b>NNW &gt;2 (3.116 mi.)</b>	<b>F78</b>	<b>253</b>
Not reported Facility Id: 01109-SD-1708	17575 STATE HWY 79,	NNW >2 (3.116 mi.)	F80	256
Not reported Facility Id: 08148-RK-0226	17577 STATE HWY 79\	NNW >2 (3.116 mi.)	F83	323
Not reported Facility Id: 052301-CWO-0017 Facility Id: 06099-CWO-1959 Facility Id: 08067-RK-1445	17575 HWY 79	NNW >2 (3.117 mi.)	F84	323
FERREL GAS Facility Id: 071609-AHB-1044	10135 S PRAIRE GROVE	NNE >2 (3.149 mi.)	H91	349
Not reported Facility Id: 121605-RLT-1057	ON THE MIDDLETOWN FA	NNW >2 (3.150 mi.)	I92	350
Not reported Facility Id: 050108-KAL-1056	AT CENTER STATE INTE	NNE >2 (3.152 mi.)	H93	350
Not reported Facility Id: 03308-KL-1615	SE CORNER AT JUNCTIO	NE >2 (3.962 mi.)	M111	411
Not reported Facility Id: 07147-SD-0533	TEXICO TRUCK STOP AT	NE >2 (3.970 mi.)	M112	412
Not reported Facility Id: 05097-JLB-0830	CORNER OF US 34 AND	NE >2 (3.970 mi.)	M113	413
Not reported Facility Id: 011909-KAL-1340	19264 110TH ST. BOB	NNW >2 (4.458 mi.)	S188	479
Not reported Facility Id: 10035-SM-0948	TWP. 70N, R4W, SEC.	NW >2 (4.969 mi.)	228	536
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>WEVER JUNCTION</b> Facility Id: 120814-KRL-1030	<b>1621 GREEN BAY RD</b>	<b>SSE &gt;2 (4.884 mi.)</b>	<b>Y213</b>	<b>501</b>

## EXECUTIVE SUMMARY

### ***Other Ascertainable Records***

RCRA NonGen / NLR: 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.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/09/2014 has revealed that there are 3 RCRA NonGen / NLR sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ICI AMERICAS INC	17575 HWY 79	NNW >2 (3.116 mi.)	F45	220
US ARMY RESERVE CENT	17879 HWY 79	NNW >2 (3.171 mi.)	I94	351
NEW LONDON FARMERS C	1514 303RD AVE	SW >2 (4.884 mi.)	Z222	524

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

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
IOWA ARMY AMMUNITION		0 - 1/8 (0.000 mi.)	0	32

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

A review of the ROD list, as provided by EDR, and dated 11/25/2013 has revealed that there is 1 ROD site within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>IOWA ARMY AMMUNITION</i></b>	<b><i>17571 STATE HWY 79</i></b>	<b><i>0 - 1/8 (0.000 mi.)</i></b>	<b><i>0</i></b>	<b><i>32</i></b>

US MINES: Mines Master Index File. The source of this database is the Dept. of Labor, Mine Safety and Health Administration.

A review of the US MINES list, as provided by EDR, and dated 12/30/2014 has revealed that there are 2 US MINES sites within approximately 5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PNB PROCESSORS LLC		SSW >2 (2.389 mi.)	A4	177
C. J. MOYNA & SONS,		SW >2 (2.936 mi.)	7	179



## EXECUTIVE SUMMARY

TRIS: The Toxic Chemical Release Inventory System identifies facilities that release toxic chemicals to the air, water, and land in reportable quantities under SARA Title III, Section 313. The source of this database is the U.S. EPA.

A review of the TRIS list, as provided by EDR, and dated 12/31/2011 has revealed that there are 2 TRIS sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
US ARMY IOWA ARMY AM <b>BIG RIVER RESOURCES</b>	17571 HWY 79 <b>15210 103RD ST</b>	NNW >2 (3.115 mi.) <b>NNE &gt;2 (3.738 mi.)</b>	F35 <b>J100</b>	212 <b>379</b>

TSCA: The Toxic Substances Control Act 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. The United States Environmental Protection Agency has no current plan to update and/or re-issue this database.

A review of the TSCA list, as provided by EDR, and dated 12/31/2012 has revealed that there is 1 TSCA site within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BIG RIVER RESOURCES,	15210 103RD STREET	NNE >2 (3.883 mi.)	L107	392

FTTS: 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) over the previous five years. To maintain currency, EDR contacts the Agency on a quarterly basis.

A review of the FTTS list, as provided by EDR, and dated 04/09/2009 has revealed that there are 3 FTTS sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>J &amp; J STEEL-IDEAL RE</b>	<b>301 S BEAVERDALE RD</b>	<b>NE &gt;2 (4.117 mi.)</b>	<b>126</b>	<b>432</b>
<b>SOUTHEASTERN COMMUNI</b>	<b>1500 W AGENCY ROAD</b>	<b>ENE &gt;2 (4.484 mi.)</b>	<b>T190</b>	<b>480</b>
<b>SOUTHEASTERN COMMUNI</b>	<b>1500 W AGENCY ROAD</b>	<b>ENE &gt;2 (4.484 mi.)</b>	<b>T191</b>	<b>480</b>

HIST FTTS: 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.

A review of the HIST FTTS list, as provided by EDR, and dated 10/19/2006 has revealed that there are 3 HIST FTTS sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>J &amp; J STEEL-IDEAL RE</b>	<b>301 S BEAVERDALE RD</b>	<b>NE &gt;2 (4.117 mi.)</b>	<b>126</b>	<b>432</b>
<b>SOUTHEASTERN COMMUNI</b>	<b>1500 W AGENCY ROAD</b>	<b>ENE &gt;2 (4.484 mi.)</b>	<b>T190</b>	<b>480</b>
<b>SOUTHEASTERN COMMUNI</b>	<b>1500 W AGENCY ROAD</b>	<b>ENE &gt;2 (4.484 mi.)</b>	<b>T191</b>	<b>480</b>

## EXECUTIVE SUMMARY

ICIS: 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.

A review of the ICIS list, as provided by EDR, and dated 01/23/2015 has revealed that there are 2 ICIS sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>IOWA ARMY AMMUNITION</b>	<b>17571 STATE HWY 79</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>0</b>	<b>32</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CRUTCHER, RAY AND KI</b>	<b>1593 353RD AVENUE</b>	<b>SSE &gt;2 (4.211 mi.)</b>	<b>127</b>	<b>433</b>

PADS: The PCB Activity Database identifies generators, transporters, commercial storers and/or brokers and disposers of PCBs who are required to notify the United States Environmental Protection Agency of such activities. The source of this database is the U.S. EPA.

A review of the PADS list, as provided by EDR, and dated 07/01/2014 has revealed that there is 1 PADS site within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
IOWA ARMY AMMUNITION	17575 STATE HWY 79	NNW >2 (3.116 mi.)	F82	322

MLTS: The Material Licensing Tracking System is maintained by the Nuclear Regulatory Commission and contains a list fo approximately 8,100 sites which possess or use radioactive materials and are subject to NRC licensing requirements.

A review of the MLTS list, as provided by EDR, and dated 12/29/2014 has revealed that there are 2 MLTS sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
AMERICAN ORDNANCE, L	17575 STATE HIGHWAY	NNW >2 (3.116 mi.)	F42	219
AMERICAN ORDNANCE, L	17575 STATE HIGHWAY	NNW >2 (3.116 mi.)	F47	225

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 01/18/2015 has revealed that there are 50 FINDS sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>IOWA ARMY AMMUNITION</b>	<b>17571 STATE HWY 79</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>0</b>	<b>32</b>
MIDDLETOWN WATER SUP	0 SOUTH DR	N >2 (2.777 mi.)	5	178
CASEY'S GENERAL STOR	75 MAIN ST	N >2 (3.022 mi.)	B9	185
MIDDLETOWN POST OFFI	229 UNITED STATES HI	N >2 (3.037 mi.)	B11	187

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MABEUS LEROY(WEVER)	3389 OLD QUARRY RD	S >2 (3.046 mi.)	C12	187
FORMER GAS STATION	105 MECHANIC STREET	N >2 (3.047 mi.)	D16	192
LIL JENNY'S QUICK #7	17301 STATE HWY 79	N >2 (3.077 mi.)	E18	200
MIDDLETOWN WATER SUP		N >2 (3.091 mi.)	D19	200
IOWA ARMY AMMUNITION	17575 HIGHWAY 79	NNW >2 (3.116 mi.)	F55	228
<b>ICI AMERICAS INC</b>	<b>17575 HWY 79</b>	<b>NNW &gt;2 (3.116 mi.)</b>	<b>F81</b>	<b>257</b>
FERRELLGAS	10135 SOUTH PRAIRIE	NNE >2 (3.149 mi.)	H88	327
US ARMY RESERVE CENT	17879 HWY 79	NNW >2 (3.171 mi.)	I95	354
RILEY INDUSTRIAL PAI	15310 HIGHWAY 34 WES	NNE >2 (3.583 mi.)	J96	354
RILEY INDUSTRIAL PAI	15310 DMC HWY 34 W	NNE >2 (3.583 mi.)	J97	355
<b>BIG RIVER RESOURCES</b>	<b>15210 103RD ST</b>	<b>NNE &gt;2 (3.738 mi.)</b>	<b>J100</b>	<b>379</b>
BIG RIVER RESOURCES	10324 150TH AVE	NNE >2 (3.816 mi.)	102	381
<b>REIF OIL CO</b>	<b>4411 W MOUNT PLEASAN</b>	<b>NE &gt;2 (3.982 mi.)</b>	<b>M114</b>	<b>413</b>
34 TRUCK STOP	4305 W MOUNT PLEASAN	NE >2 (4.004 mi.)	M119	418
3 AMIGOS	4302 W MOUNT PLEASAN	NE >2 (4.013 mi.)	M121	428
<b>COLLISION CENTER COR</b>	<b>4000 W MT PLEASANT S</b>	<b>NE &gt;2 (4.083 mi.)</b>	<b>M123</b>	<b>429</b>
IDEAL READY MIX CO I	3902 WEST MOUNT PLEA	NE >2 (4.106 mi.)	N124	431
<b>IOWA DEPT OF TRANSPO</b>	<b>617 BEAVERDALE RD</b>	<b>NE &gt;2 (4.292 mi.)</b>	<b>O129</b>	<b>434</b>
IDOT MAINT GARAGE	645 N BEAVERDALE RD	NE >2 (4.310 mi.)	O131	437
MDM ENTERPRISES	18929 110TH ST	NNW >2 (4.346 mi.)	133	442
RIVER MART	14562 WASHINGTON RD	NNE >2 (4.360 mi.)	Q135	443
FEDEX FREIGHT INC BR	14432 WASHINGTON RD	NNE >2 (4.369 mi.)	Q145	447
DES MOINES COUNTY SL	13758 WASHINGTON ROA	NNE >2 (4.418 mi.)	Q177	464
DES MOINES COUNTY RE	13758 WASHINGTON ROA	NNE >2 (4.418 mi.)	Q179	465
GATEWAY CENTER CARE	13702 WASHINGTON ROA	NNE >2 (4.422 mi.)	Q181	466
<b>IDEAL READY MIX CO I</b>	<b>2880 MOUNT PLEASANT</b>	<b>NE &gt;2 (4.425 mi.)</b>	<b>182</b>	<b>467</b>
WASHINGTON HEIGHTS C	13528 WASHINGTON RD	NNE >2 (4.428 mi.)	R183	469
DES MOINES COUNTY SH	13522 WASHINGTON RD	NNE >2 (4.428 mi.)	R185	474
BECK BROTHERS	19264 110TH ST	NNW >2 (4.454 mi.)	S187	478
SOUTHEASTERN COMMUNI	1500 W AGENCY ROAD	ENE >2 (4.484 mi.)	T189	479
ECHO VALLEY MOBILE H	14876 WASHINGTON RD	NNE >2 (4.509 mi.)	U192	481
TIMBERLINE ESTATES,	14876 WASHINGTON ROA	NNE >2 (4.509 mi.)	U193	481
ECHO VALLEY MOBILE H	14876 WASHINGTON ROA	NNE >2 (4.509 mi.)	U196	484
<b>UNITED PARCEL SERVIC</b>	<b>2514 W MT PLEASANT C</b>	<b>NE &gt;2 (4.671 mi.)</b>	<b>V203</b>	<b>486</b>
UPS - (BURLINGTON)	2514 W. MT. PLEASANT	NE >2 (4.671 mi.)	V206	495
GREAT RIVER MEDICAL	1221 SOUTH GEAR AVEN	ENE >2 (4.865 mi.)	W208	496
WESTLAND FAST BREAK	1108 W AGENCY RD	ENE >2 (4.870 mi.)	X212	501
AGRINEED INC	1514 303RD AVENUE	SW >2 (4.884 mi.)	Z220	524
AGRILIANCE LLC - DEN	1514 303RD AVENUE	SW >2 (4.884 mi.)	Z223	526
KYLE REID	10998 WILDLIFE LAKES	NE >2 (4.972 mi.)	229	536
<b>Lower Elevation</b>	<b>Address</b>	<b>Direction / Distance</b>	<b>Map ID</b>	<b>Page</b>
BEACH'S LIMESTONE	3316 OLD QUARRY ROAD	SSW >2 (2.373 mi.)	A3	176
GREAT RIVER MATERIAL	1445 320TH AVENUE	SW >2 (3.139 mi.)	G86	326
KENNETH & SHARON DIX	3257 ROCK SPRING ROA	SE >2 (3.795 mi.)	101	381
<b>CRUTCHER, RAY AND KI</b>	<b>1593 353RD AVENUE</b>	<b>SSE &gt;2 (4.211 mi.)</b>	<b>127</b>	<b>433</b>
WEVER JUNCTION	1621 GREEN BAY RD	SSE >2 (4.884 mi.)	Y215	503
BEACH FRONT	3541 BLAKSLEE ST	SSE >2 (4.991 mi.)	230	537



## EXECUTIVE SUMMARY

RAATS: The RCRA Administration Action Tracking System contains records based on enforcement actions issued under RCRA and pertaining to major violators. It includes administrative and civil actions brought by the United States Environmental Protection Agency. The source of this database is the U.S. EPA.

A review of the RAATS list, as provided by EDR, and dated 04/17/1995 has revealed that there is 1 RAATS site within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>IOWA ARMY AMMUNITION</b>	<b>17571 STATE HWY 79</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>0</b>	<b>32</b>

RMP: 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.

A review of the RMP list, as provided by EDR, and dated 02/01/2015 has revealed that there are 4 RMP sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BIG RIVER RESOURCES	15210 103RD STREET	NNE >2 (3.883 mi.)	L106	383
BIG RIVER RESOURCES,	15210 103RD STREET	NNE >2 (3.883 mi.)	L109	395
AGRINEED, INC. DENMA	1514 303RD AVENUE	SW >2 (4.884 mi.)	Z217	507
AGRINEED, INC. DENMA	1514 303RD AVENUE	SW >2 (4.884 mi.)	Z219	513

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

A review of the NY MANIFEST list, as provided by EDR, has revealed that there is 1 NY MANIFEST site within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UNITED STATES MILITA EPA ID: IA7213820445	17571 STATE HWY 79	NNW >2 (3.115 mi.)	F37	215

WI MANIFEST: Hazardous waste manifest information.

A review of the WI MANIFEST list, as provided by EDR, has revealed that there are 2 WI MANIFEST sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>IOWA ARMY AMMUNITION</b> ACT Status: A FID: 999566590 EPA ID: IA7213820445	<b>17571 STATE HWY 79</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>0</b>	<b>32</b>
IOWA ARMY AMUNITION ACT Status: A FID: 999566590 EPA ID: IA7213820445	17575 HWY 79	NNW >2 (3.116 mi.)	F77	244

## EXECUTIVE SUMMARY

PA MANIFEST: Hazardous waste manifest information.

A review of the PA MANIFEST list, as provided by EDR, has revealed that there is 1 PA MANIFEST site within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>IOWA ARMY AMMUNITION</b> ACT Status: A FID: 999566590 EPA ID: IA7213820445	<b>17571 STATE HWY 79</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>0</b>	<b>32</b>

IA NPDES: 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.

A review of the IA NPDES list, as provided by EDR, and dated 11/03/2014 has revealed that there are 8 IA NPDES sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>IOWA ARMY AMMUNITION</b> Permit Number: 2900900	<b>17571 STATE HIGHWAY</b>	<b>NNW &gt;2 (3.115 mi.)</b>	<b>F34</b>	<b>210</b>
<b>BIG RIVER RESOURCES</b> Permit Number: 2900112	<b>15210 103RD STREET</b>	<b>NNE &gt;2 (3.736 mi.)</b>	<b>J99</b>	<b>355</b>
MIDDLETOWN CITY OF S Permit Number: 2952001	CITY CLERK, CITY HAL	N >2 (3.862 mi.)	105	382
GATEWAY CENTER CARE Permit Number: 2900901	13702 WASHINGTON ROA	NNE >2 (4.422 mi.)	Q180	466
ECHO VALLEY MOBILE H Permit Number: 2900605	14876 WASHINGTON ROA	NNE >2 (4.509 mi.)	U194	482
TIMBERLINE ESTATES, Permit Number: 2900601 Permit Number: 2900606	14876 WASHINGTON ROA	NNE >2 (4.509 mi.)	U195	482
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PNB PROCESSORS, L.L. Permit Number: 5600108	3317 OLD QUARRY ROAD	SSW >2 (2.371 mi.)	A2	176
GREAT RIVER MATERIAL Permit Number: 5600117	1444 320TH AVENUE	SW >2 (3.139 mi.)	G85	325

IA AIRS: A listing of Minor and Title V sources.

A review of the IA AIRS list, as provided by EDR, and dated 03/16/2015 has revealed that there are 9 IA AIRS sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>IOWA ARMY NATIONAL G</b> Status: Minor Facility Id: 29-05-004	<b>16815 HWY 34</b>	<b>N &gt;2 (3.028 mi.)</b>	<b>B10</b>	<b>186</b>
<b>IOWA ARMY AMMUNITION</b> Facility Id: 29-01-004	<b>17571 STATE HIGHWAY</b>	<b>NNW &gt;2 (3.115 mi.)</b>	<b>F34</b>	<b>210</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>IOWA ARMY AMMUNITION</b> Status: Minor Facility Id: 29-05-002 Facility Id: 29-05-003	<b>17575 DMC HIGHWAY 79</b>	<b>NNW &gt;2 (3.116 mi.)</b>	<b>F78</b>	<b>253</b>
RILEY INDUSTRIAL PAI Facility Id: 29-01-079	15310 HIGHWAY 34 WES	NNE >2 (3.599 mi.)	J98	355
<b>BIG RIVER RESOURCES</b> Facility Id: 29-02-012	<b>15210 103RD STREET</b>	<b>NNE &gt;2 (3.736 mi.)</b>	<b>J99</b>	<b>355</b>
REIF OIL COMPANY Status: Minor Facility Id: 29-02-014	4411 W MT PLEASANT S	NE >2 (3.982 mi.)	M115	417
<b>DES MOINES COUNTY RE</b> Status: Minor Facility Id: 29-02-010	<b>13758 WASHINGTON RD</b>	<b>NNE &gt;2 (4.418 mi.)</b>	<b>Q176</b>	<b>454</b>
IDEAL READY MIX CO., Status: Minor Facility Id: 29-02-006	2280 MT PLEASANT ST	NE >2 (4.800 mi.)	V207	496
<b>GREAT RIVER MEDICAL</b> Status: Minor Facility Id: 29-02-008	<b>1221 S GEAR AVE</b>	<b>ENE &gt;2 (4.865 mi.)</b>	<b>W209</b>	<b>497</b>

IA TIER 2: A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

A review of the IA TIER 2 list, as provided by EDR, and dated 12/31/2014 has revealed that there are 6 IA TIER 2 sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>IOWA ARMY AMMUNITION</b> Facility Id: FAIDSIT2A00002257 State Id: IA	<b>17575 HIGHWAY 79</b>	<b>NNW &gt;2 (3.116 mi.)</b>	<b>F73</b>	<b>234</b>
FERRELLGAS Facility Id: FAIDSIT2A00001463 Facility Id: 1463 State Id: IA	10135 SOUTH PRAIRIE	NNE >2 (3.149 mi.)	H89	327
<b>BIG RIVER RESOURCES</b> Facility Id: FAIDSIT2A00003806 Facility Id: 3806 State Id: IA	<b>15210 103RD STREET</b>	<b>NNE &gt;2 (3.736 mi.)</b>	<b>J99</b>	<b>355</b>
UPS - (BURLINGTON) Facility Id: FAIDSIT2A00000326 Facility Id: 326 State Id: IA	2514 W. MT. PLEASANT	NE >2 (4.671 mi.)	V205	492
AGRINEED INC Facility Id: FAIDSIT2A00002840 Facility Id: 2840 State Id: IA	1514 303RD AVENUE	SW >2 (4.884 mi.)	Z216	503
CITY OF WEST BURLING Facility Id: 3027	2000 WEST MOUNT PLEA	NE >2 (4.944 mi.)	AA226	531



## EXECUTIVE SUMMARY

IA COAL ASH: A listing of coal combustion residue landfill locations.

A review of the IA COAL ASH list, as provided by EDR, and dated 03/10/2015 has revealed that there is 1 IA COAL ASH site within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>IOWA ARMY AMMUNITION</b> Permit Number: 29-SDP-03-82 Status: Operation Permit Field Office Id: 6	<b>17571 STATE HWY 79</b>	<b>NNW &gt;2 (3.115 mi.)</b>	<b>F36</b>	<b>212</b>

IA Financial Assurance: 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.

A review of the IA Financial Assurance list, as provided by EDR, and dated 03/10/2015 has revealed that there are 6 IA Financial Assurance sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>CASEY'S GENERAL STOR</b> Facility Id: 198606554	<b>75 MAIN ST</b>	<b>N &gt;2 (3.022 mi.)</b>	<b>B8</b>	<b>184</b>
<b>34 TRUCK STOP</b> Facility Id: 198608976	<b>4305 W MOUNT PLEASAN</b>	<b>NE &gt;2 (4.004 mi.)</b>	<b>M120</b>	<b>419</b>
<b>RIVER MART</b> Facility Id: 198600298	<b>14562 WASHINGTON RD</b>	<b>NNE &gt;2 (4.360 mi.)</b>	<b>Q134</b>	<b>442</b>
<b>UNITED PARCEL SERVIC</b> Facility Id: 198606307	<b>2514 W MT PLEASANT C</b>	<b>NE &gt;2 (4.671 mi.)</b>	<b>V203</b>	<b>486</b>
<b>WESTLAND FAST BREAK</b> Facility Id: 199617837	<b>1108 W AGENCY RD</b>	<b>ENE &gt;2 (4.870 mi.)</b>	<b>X210</b>	<b>499</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>WEVER JUNCTION</b> Facility Id: 199717940	<b>1621 GREEN BAY RD</b>	<b>SSE &gt;2 (4.884 mi.)</b>	<b>Y213</b>	<b>501</b>

US AIRS: 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.

A review of the US AIRS list, as provided by EDR, and dated 10/16/2014 has revealed that there are 8 US AIRS sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>ADVANCED ENVIRONMENT</b>	<b>17575 STATE HWY 79</b>	<b>NNW &gt;2 (3.116 mi.)</b>	<b>F49</b>	<b>225</b>
<b>BIG RIVER RESOURCES</b>	<b>15210 103RD ST</b>	<b>NNE &gt;2 (3.738 mi.)</b>	<b>J100</b>	<b>379</b>
<b>RILEY INDUSTRIAL PAI</b>	<b>15310 HWY 34 W</b>	<b>NE &gt;2 (3.956 mi.)</b>	<b>M110</b>	<b>406</b>
<b>REIF OIL CO</b>	<b>4411 W MOUNT PLEASAN</b>	<b>NE &gt;2 (3.982 mi.)</b>	<b>M114</b>	<b>413</b>

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
IDEAL READY MIX CO I	3902 W MOUNT PLEASAN	NE >2 (4.106 mi.)	N125	432
DES MOINES CO REGION	13758 WASHINGTON RD	NNE >2 (4.418 mi.)	Q175	453
<b>IDEAL READY MIX CO I</b>	<b>2880 MOUNT PLEASANT</b>	<b>NE &gt;2 (4.425 mi.)</b>	<b>182</b>	<b>467</b>
<b>GREAT RIVER MEDICAL</b>	<b>1221 S GEAR AVE</b>	<b>ENE &gt;2 (4.865 mi.)</b>	<b>W209</b>	<b>497</b>

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

A review of the PCB TRANSFORMER list, as provided by EDR, and dated 02/01/2011 has revealed that there are 3 PCB TRANSFORMER sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
IOWA ARMY AMMUNITION	17575 STATE HWY 79	NNW >2 (3.116 mi.)	F41	219
IOWA ARMY AMMUNITION	17575 STATE HWY 79	NNW >2 (3.116 mi.)	F44	220
IOWA ARMY AMMUNITION	17575 STATE HWY 79	NNW >2 (3.116 mi.)	F54	227

2020 COR ACTION: 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.

A review of the 2020 COR ACTION list, as provided by EDR, and dated 04/22/2013 has revealed that there are 2 2020 COR ACTION sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>IOWA ARMY AMMUNITION</b>	<b>17571 STATE HWY 79</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>0</b>	<b>32</b>
<b>ICI AMERICAS INC</b>	<b>17575 HWY 79</b>	<b>NNW &gt;2 (3.116 mi.)</b>	<b>F81</b>	<b>257</b>

### EDR HIGH RISK HISTORICAL RECORDS

#### **EDR Exclusive Records**

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

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 7 EDR US Hist Auto Stat sites within approximately 5 miles of the target property.

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	4305 W MOUNT PLEASAN	NE >2 (4.004 mi.)	M116	418
Not reported	4000 W MOUNT PLEASAN	NE >2 (4.083 mi.)	M122	428
Not reported	3400 W MOUNT PLEASAN	NE >2 (4.227 mi.)	N128	434
Not reported	128 N SUNSET DR	NE >2 (4.296 mi.)	P130	436
Not reported	1108 W AGENCY RD	ENE >2 (4.870 mi.)	X211	501
Not reported	2000 W MOUNT PLEASAN	NE >2 (4.944 mi.)	AA227	535
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	1621 GREEN BAY RD	SSE >2 (4.884 mi.)	Y214	503

### EDR RECOVERED GOVERNMENT ARCHIVES

#### *Exclusive Recovered Govt. Archives*

IA RGA LUST: 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.

A review of the IA RGA LUST list, as provided by EDR, has revealed that there are 5 IA RGA LUST sites within approximately 5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORMER GAS STATION Facility ID: 197910432 Facility ID: 5813	105 MECHANIC STREET	N >2 (3.047 mi.)	D15	191
IOWA ARMY AMMUNITION Facility ID: 2909 Facility ID: 198606344	17571 STATE HIGHWAY	NNW >2 (3.115 mi.)	F33	210
34 TRUCK STOP Facility ID: 4177	4305 W MOUNT PLEASAN	NE >2 (4.004 mi.)	M117	418
34 TRUCK STOP Facility ID: 198608976	4305 W MT PLEASANT S	NE >2 (4.004 mi.)	M118	418
UNITED PARCEL SERVIC Facility ID: 2877	2514 W MOUNT PLEASAN	NE >2 (4.671 mi.)	V204	492

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 95 records.

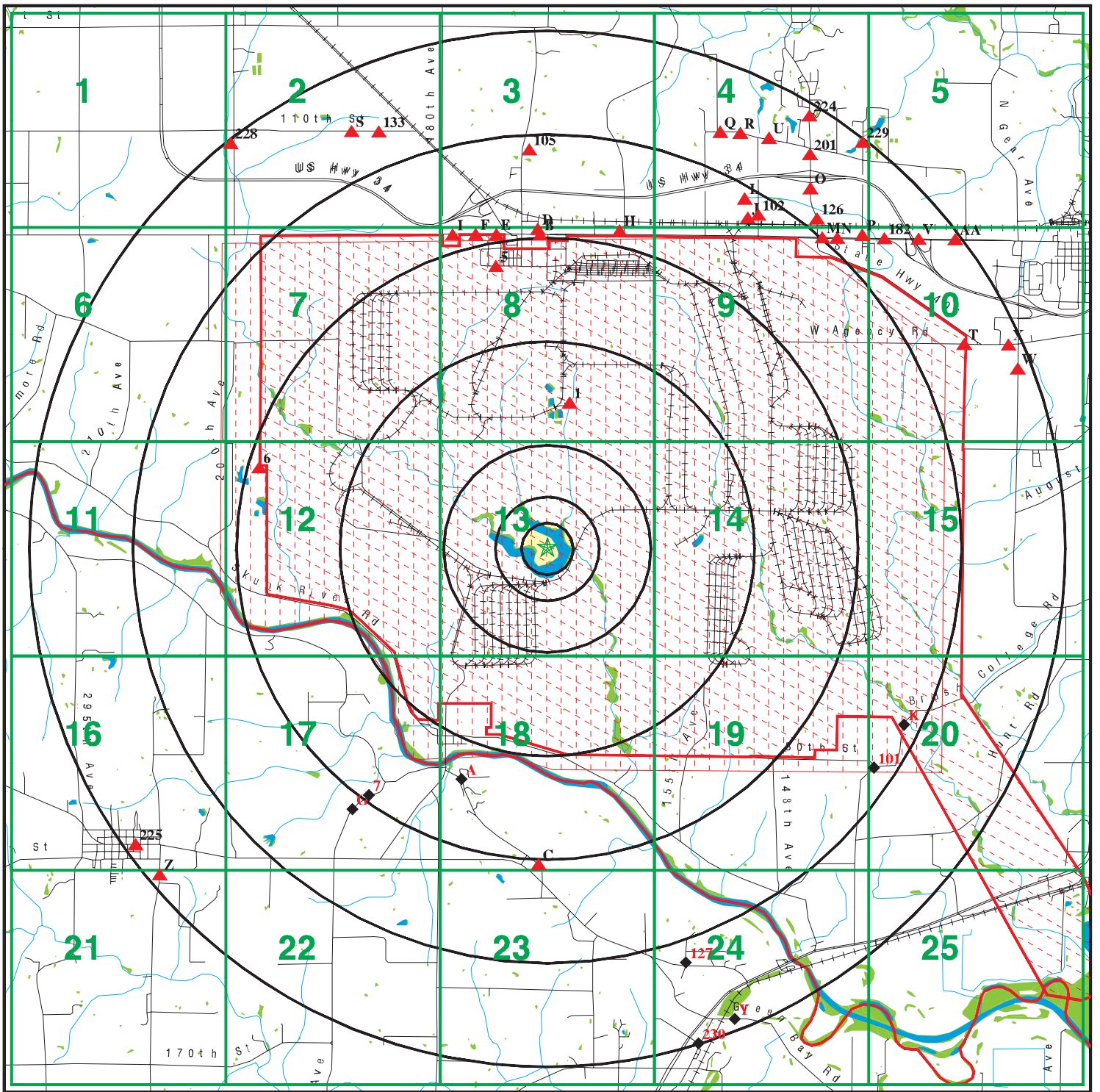
Site Name	Database(s)
IDEAL READY MIX CO INC - BURLINGTO	US AIRS
OMG MIDWEST DBA CESSFORD CONST CO.	FINDS, US AIRS
BURLINGTON NORTHERN SANTA FE RAILW	FINDS, US AIRS
INDUSTRIAL ENERGY APPLICATIONS INC	US AIRS
PINNACLE FOODS GROUP INC	US AIRS
FORT MADISON RO WATER TREATMENT PL	US AIRS
IOWA ARMY NATIONAL GUARD - BUILDIN	FINDS, US AIRS
VAN WATERS ROGERS - BURLINGTON	RCRA-TSDF, CERCLIS, CORRACTS, RCRA NonGen / NLR, 2020 COR ACTION, US FIN ASSUR
RIVER VALLEY COOPERATIVE - DANVILL	RMP
AGRILIANCE LLC - DANVILLE	RMP
GOLDEN FURROW - MT. UNION INC.	RMP
GOLDEN FURROW - MT. UNION, INC.	RMP
FARMERS COOPERATIVE ELEVATOR, DANV	RMP
FARMERS COOP ELEVATOR, DENMARK	RMP
CLIMAX MOLYBDENUM COMPANY	RMP
BURLINGTON MUNICIPAL WATERWORKS RA	IA TIER 2
HENNINGSEN CONSTRUCTION PLANT 1	IA TIER 2
CLIMAX MOLYBDENUM COMPANY	IA TIER 2
CLIMAX MOLYBDENUM COMPANY	IA TIER 2
MERSCHMAN FERTILIZER LLC	IA TIER 2
ARMED FORCES READINESS CENTER AND	IA TIER 2
IOWA ARMY AMMUNITION PLANT	IA SPILLS, IA TIER 2
B&B PROPANE	IA TIER 2
B&B PROPANE	IA TIER 2
IOWA FERTILIZER COMPANY	IA TIER 2
IPL-4TH STREET - BURLINGTON	PCB TRANSFORMER
IPL-AGENCY STREET SUBSTATION	PCB TRANSFORMER
IPL-NORTH BURLINGTON SUBSTATION	PCB TRANSFORMER
IPL-AGENCY STREET SUBSTATION	PCB TRANSFORMER
IPL-NORTH BURLINGTON SUBSTATION	PCB TRANSFORMER
IES-NORTH BURLINGTON SUBSTAT	PCB TRANSFORMER
IPL-NORTH BURLINGTON SUBSTATION	PCB TRANSFORMER
IPL-AGENCY STREET SUBSTATION	PCB TRANSFORMER
IES-AGENCY STREET SUBSTATION	PCB TRANSFORMER
IPL-4TH STREET - BURLINGTON	PCB TRANSFORMER
IPL-4TH STREET - BURLINGTON	PCB TRANSFORMER
IES-4TH STREET SUBSTATION	PCB TRANSFORMER
NORTH BURLINGTON	PCB TRANSFORMER
4TH STREET	PCB TRANSFORMER
AGENCY ST.	PCB TRANSFORMER
CHURCHILL DRUG	IA ALLSITES
SIEMENS EMPLOYEE PARKING LOT	IA ALLSITES, IA SPILLS, IA NPDES
DENMARK SANITARY DISTRICT STP	IA NPDES
CLIMAX MOLYBDENUM COMPANY	FTTS, HIST FTTS
FIRST MISSISSIPPI CORP FERTILIZER	CERCLIS, RCRA NonGen / NLR
KOVAL PROPERTY	CERC-NFRAP
BURLINGTON COAL GAS	CERC-NFRAP
BONEWITZ CHEMICAL SERVICES	CERC-NFRAP
BURLINGTON CITY DUMP	CERC-NFRAP
DANVILLE MILL & SUPPLY CO	CERC-NFRAP, SSTS
FT MADISON DUMP	CERC-NFRAP
TRUCK TRANSPORT INC - FT MADISON W	CERC-NFRAP
FT MADISON SANITARY LANDFILL	CERC-NFRAP, RCRA NonGen / NLR
IOWA MEDICAL WASTE REDUCTION CENTE	IA SWF/LF
U.S. GYPSUM COMPANY-SPERRY GYPSUM	IA SWF/LF
GREAT RIVER REGIONAL WASTE AUTHORI	IA SWF/LF
GREAT RIVER REGIONAL WASTE AUTHORI	IA SWF/LF



## EXECUTIVE SUMMARY

FARMERS & MERCHANTS BUILDING CORP	IA LUST
CASEY'S GENERAL STORE #1028	IA LUST
MIDDLETOWN POST OFFICE	IA LUST
HERTZ PENSKE LEASING	IA UST, IA Financial Assurance
AMAX INC	IA UST
NOT KNOWN	FINDS, IA UST
BAIER FORD/CHRYSLER	IA UST
RODEO PARK	IA UST
DONALD L BLANCHARD	IA UST
TED BEACH	IA UST
JIM BAIER INC	RCRA-SQG
MIDDLETOWN ARMY NATIONAL GUARD AFR	RCRA-SQG
PENSKE TRUCK LEASING CO-FORMER SIT	RCRA NonGen / NLR
COOK COMPOSITES & POLYMERS-FORMER	RCRA NonGen / NLR
RUST ENGINEERING CO-FORMER SITE OF	RCRA NonGen / NLR
PACE MOBILE LAB	RCRA NonGen / NLR
CLIMAX MOLYBDENUM COMPANY	RCRA-CESQG, PADS
SIEMENS ENERGY INC L.P.-FT MADISON	ICIS, FINDS
MASON & HANGER-SILAS MASON CO., IN	MLTS
US GYPSUM CO	US MINES
SHIPLEY CONSTRUCTION COMPANY	ICIS
NEW LONDON FARMERS COOP	SSTS
CLIMAX MOLYBDENUM CO.	SSTS
IDEAL READY MIX CO., INC. - BURLIN	IA AIRS
JIM'S BODY SHOP INC.	IA AIRS
SIEMENS POWER GENERATION, INC - FO	IA AIRS
HENKEL CORPORATION	NY MANIFEST
34 TRUCK STOP	IA RGA LUST
WASHINGTON HEIGHTS CARE FACILITY	IA RGA LUST
WASHINGTON HEIGHTS CARE FACILITY	IA RGA LUST
IDOT MAINT GARAGE	IA RGA LUST
WEST BURLINGTON WATER DEPT	IA RGA LUST
DEERY BROTHERS	IA RGA LUST
DENNY'S AUTO SERVICE, INC	IA RGA LUST
DENNYL'S AUTO SERVICE, INC.	IA RGA LUST
UNITED PARCEL SERVICE	IA RGA LUST
UNITED PARCEL SERVICE	IA RGA LUST
DES MOINES COUNTY SHOP	IA RGA LUST

# OVERVIEW MAP - 4287912.2S



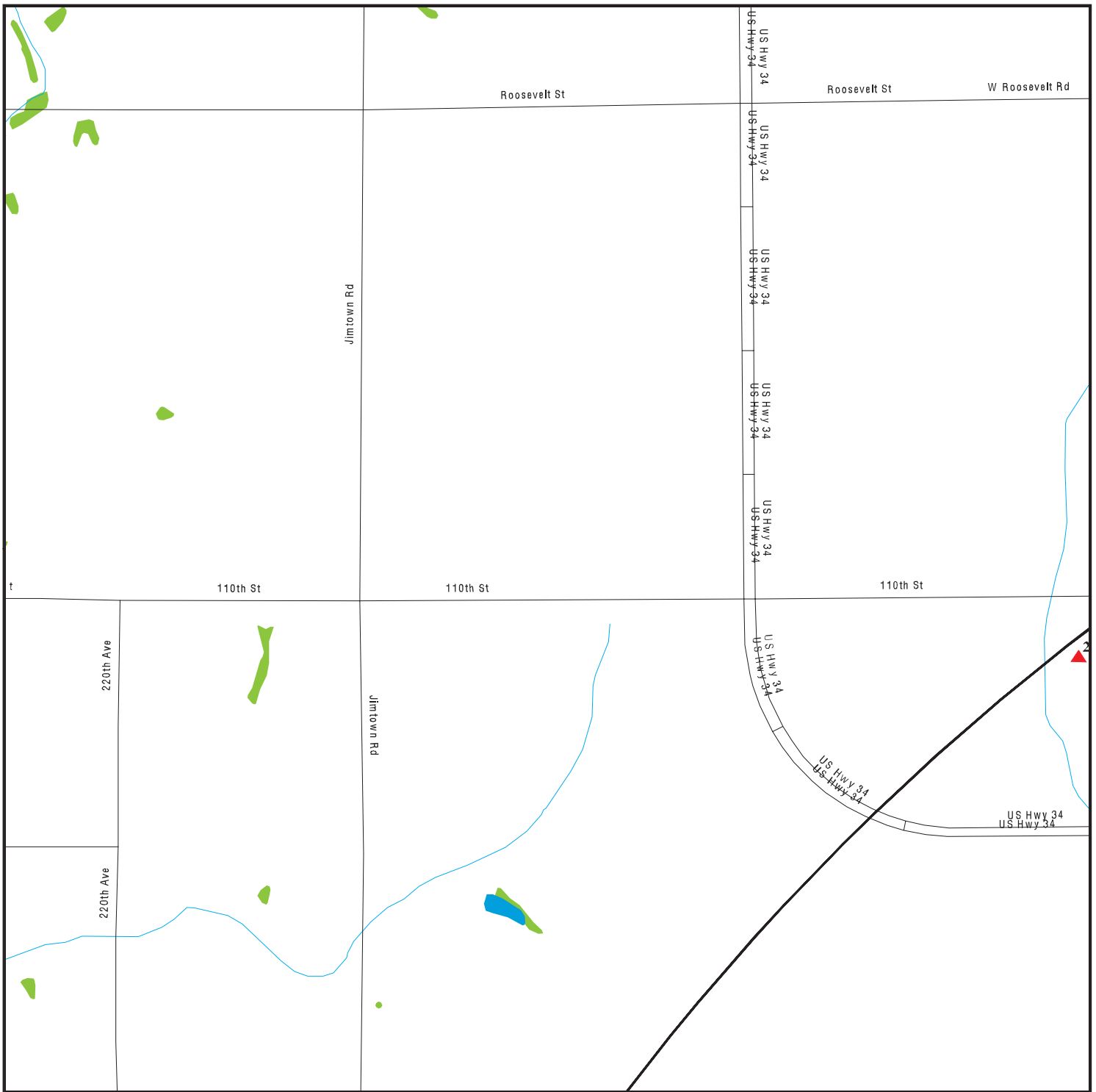
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ▨ National Priority List Sites
- ▨ Dept. Defense Sites

- ▨ Indian Reservations BIA
- ▨ County Boundary
- ▨ Oil & Gas pipelines from USGS
- ▨ National Wetland Inventory

**SITE NAME:** Lake Mathes  
**ADDRESS:** Lake Mathes  
 West Burlington IA 52655  
**LAT/LONG:** 40.7831 / 91.2569

**CLIENT:** H&S Environmental, Inc  
**CONTACT:** Patrick Schauble  
**INQUIRY #:** 4287912.2s  
**DATE:** May 08, 2015 2:12 pm

# DETAIL MAP - 4287912.2S



- ★ 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 1/4 1/2 1 Miles

Indian Reservations BIA

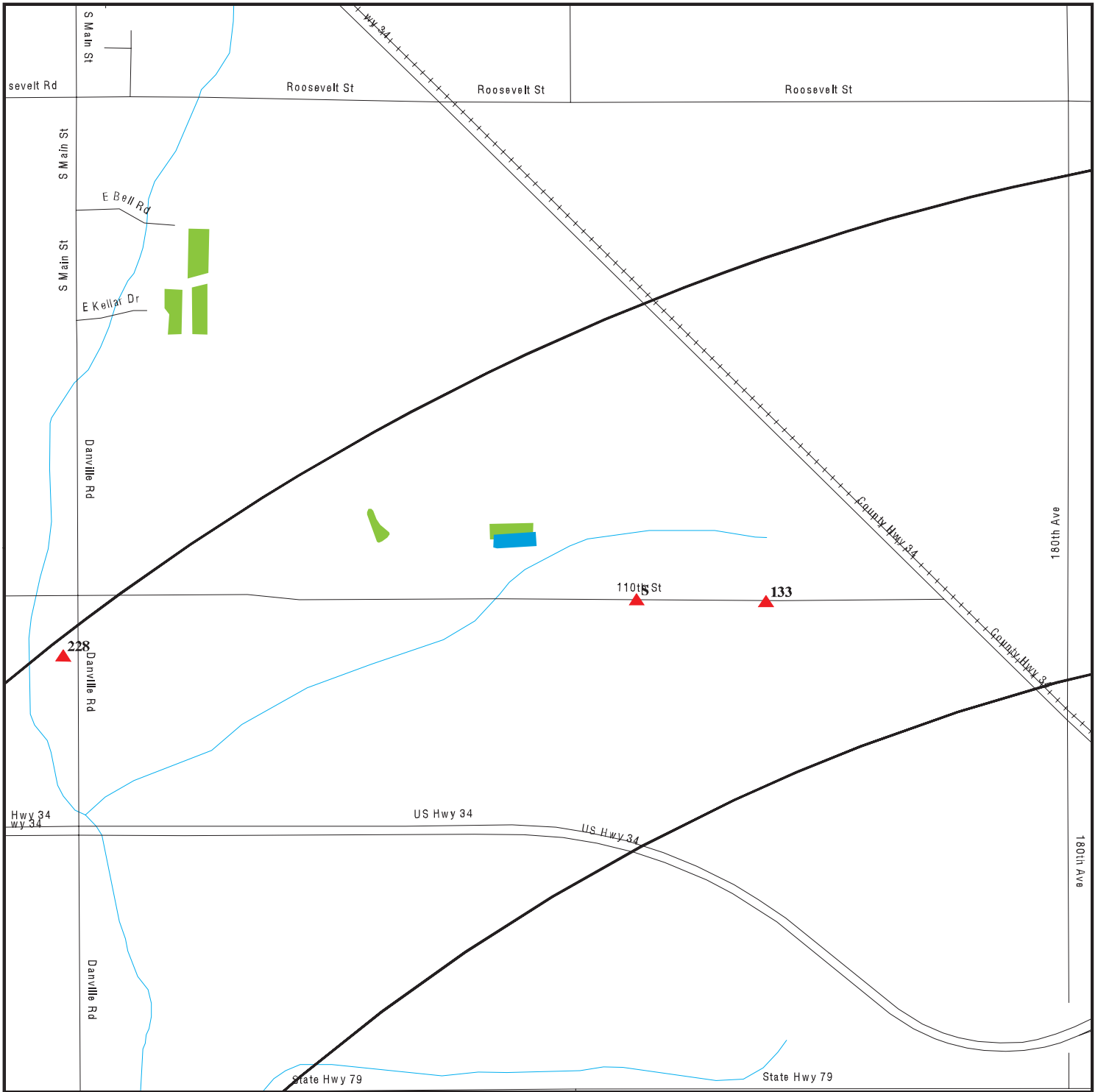
Oil & Gas pipelines from USGS

National Wetland Inventory

SITE NAME: Lake Mathes  
 ADDRESS: Lake Mathes  
 West Burlington IA 52655  
 LAT/LONG: 40.7831 / 91.2569

CLIENT: H&S Environmental, Inc  
 CONTACT: Patrick Schauble  
 INQUIRY #: 4287912.2s  
 DATE: May 08, 2015 2:13 pm

# DETAIL MAP - 4287912.2S



- ★ Target Property
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- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

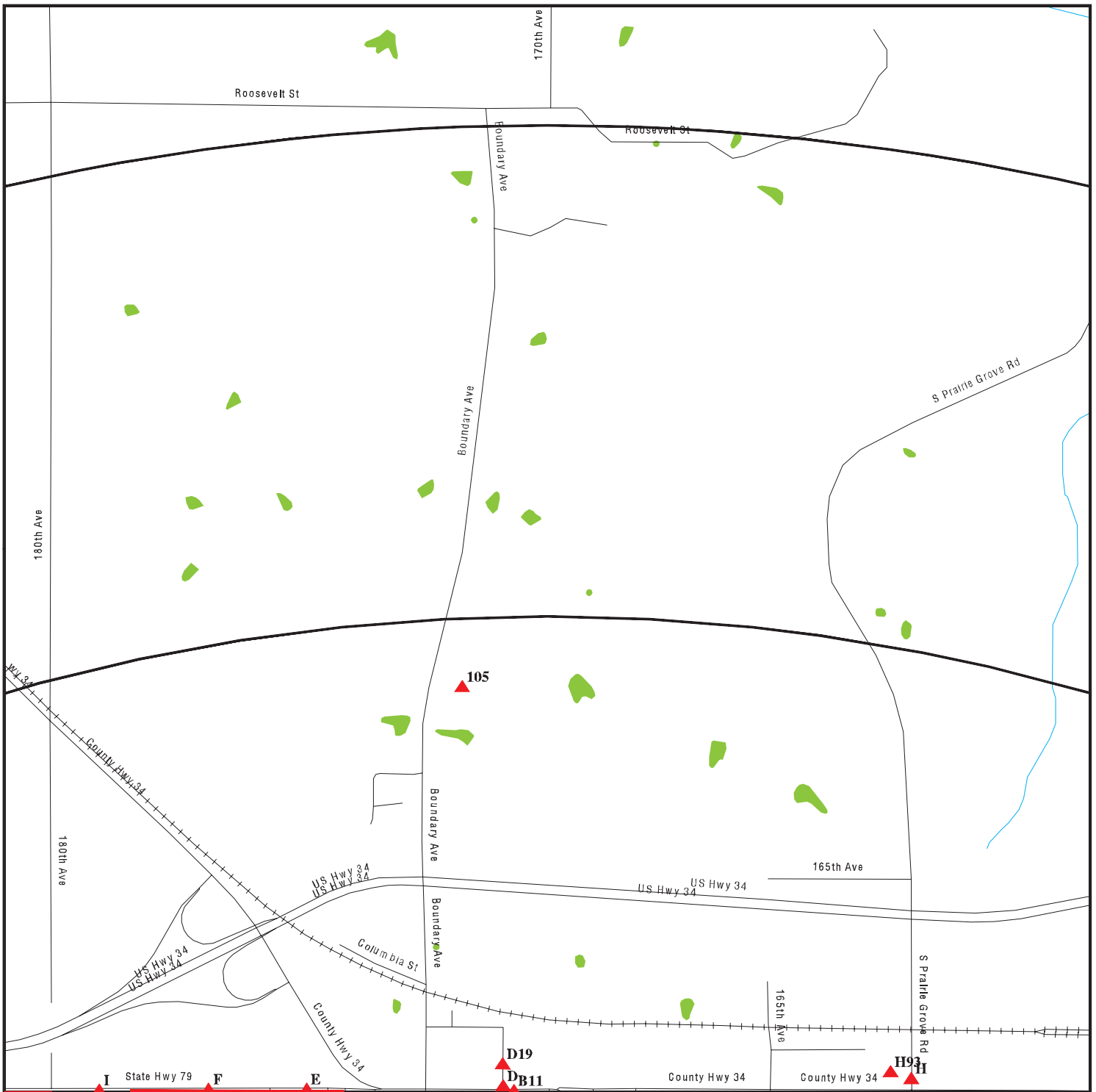
- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- National Wetland Inventory

SITE NAME: Lake Mathes  
 ADDRESS: Lake Mathes  
 West Burlington IA 52655  
 LAT/LONG: 40.7831 / 91.2569

CLIENT: H&S Environmental, Inc  
 CONTACT: Patrick Schauble  
 INQUIRY #: 4287912.2s  
 DATE: May 08, 2015 2:14 pm



# DETAIL MAP - 4287912.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
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- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

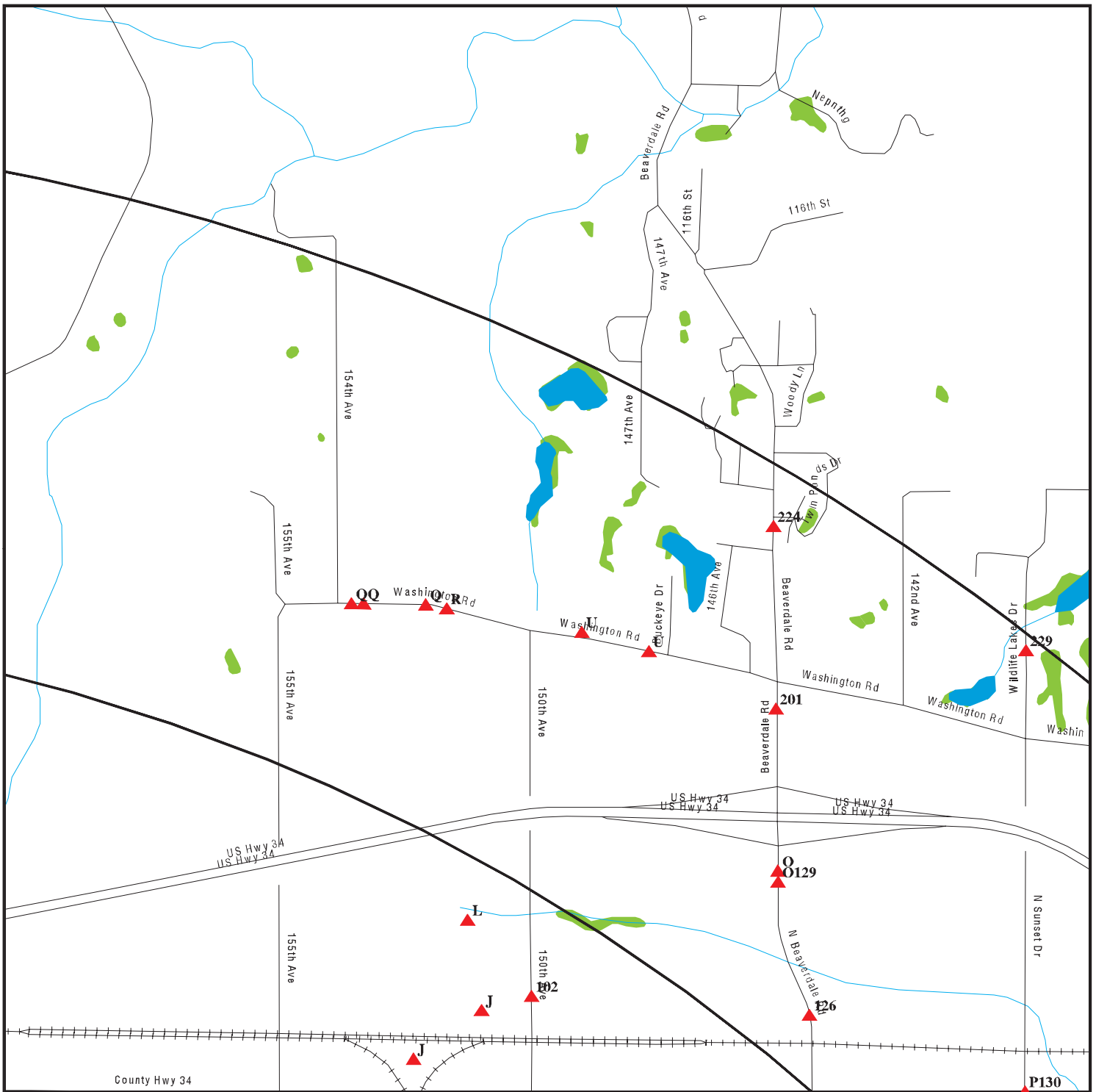
- Indian Reservations BIA
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SITE NAME: Lake Mathes  
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 LAT/LONG: 40.7831 / 91.2569

CLIENT: H&S Environmental, Inc  
 CONTACT: Patrick Schauble  
 INQUIRY #: 4287912.2s  
 DATE: May 08, 2015 2:15 pm

# DETAIL MAP - 4287912.2S



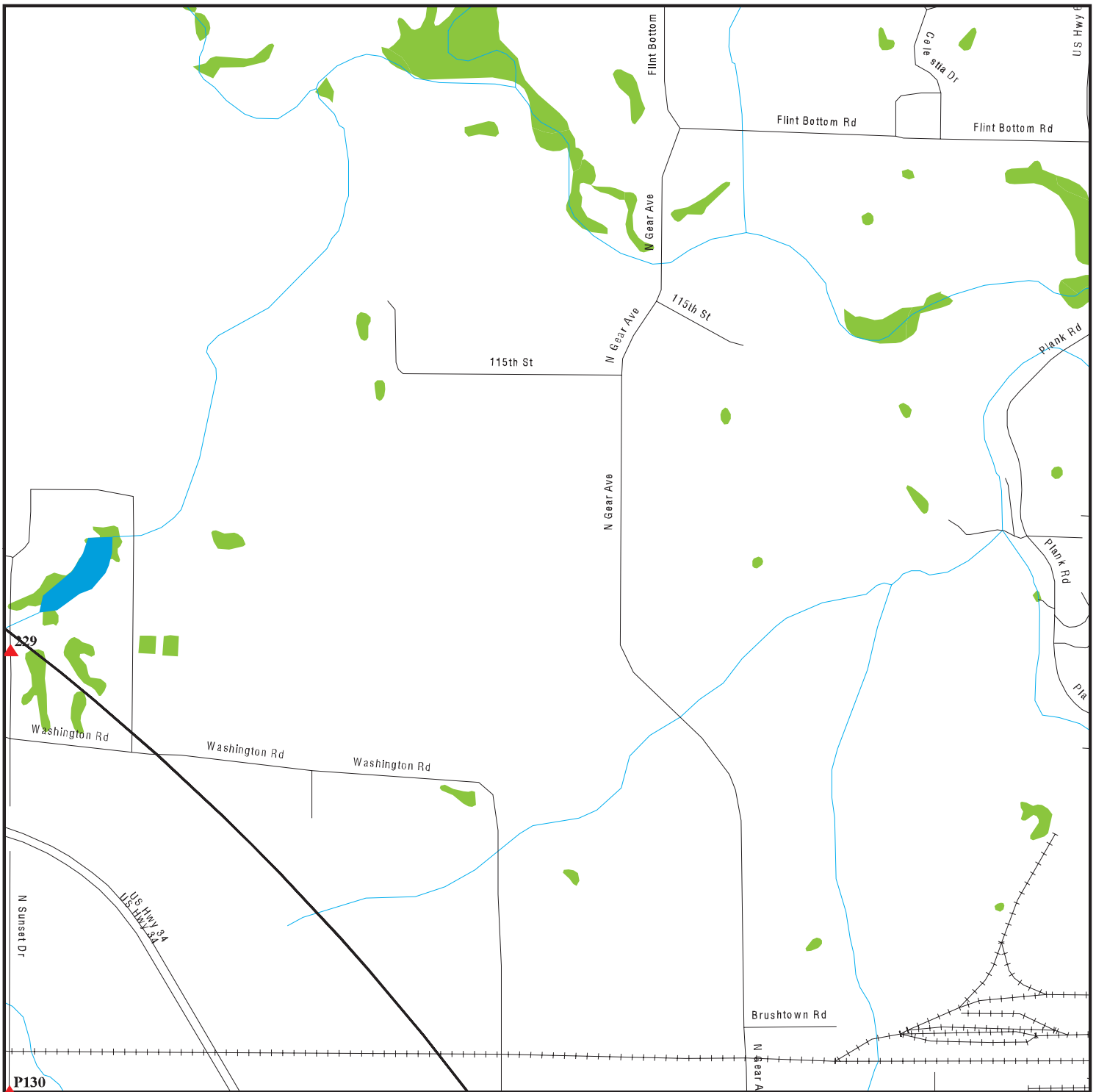
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- Dept. Defense Sites

- Indian Reservations BIA
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- National Wetland Inventory

SITE NAME: Lake Mathes  
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 DATE: May 08, 2015 2:16 pm

# DETAIL MAP - 4287912.2S



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- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

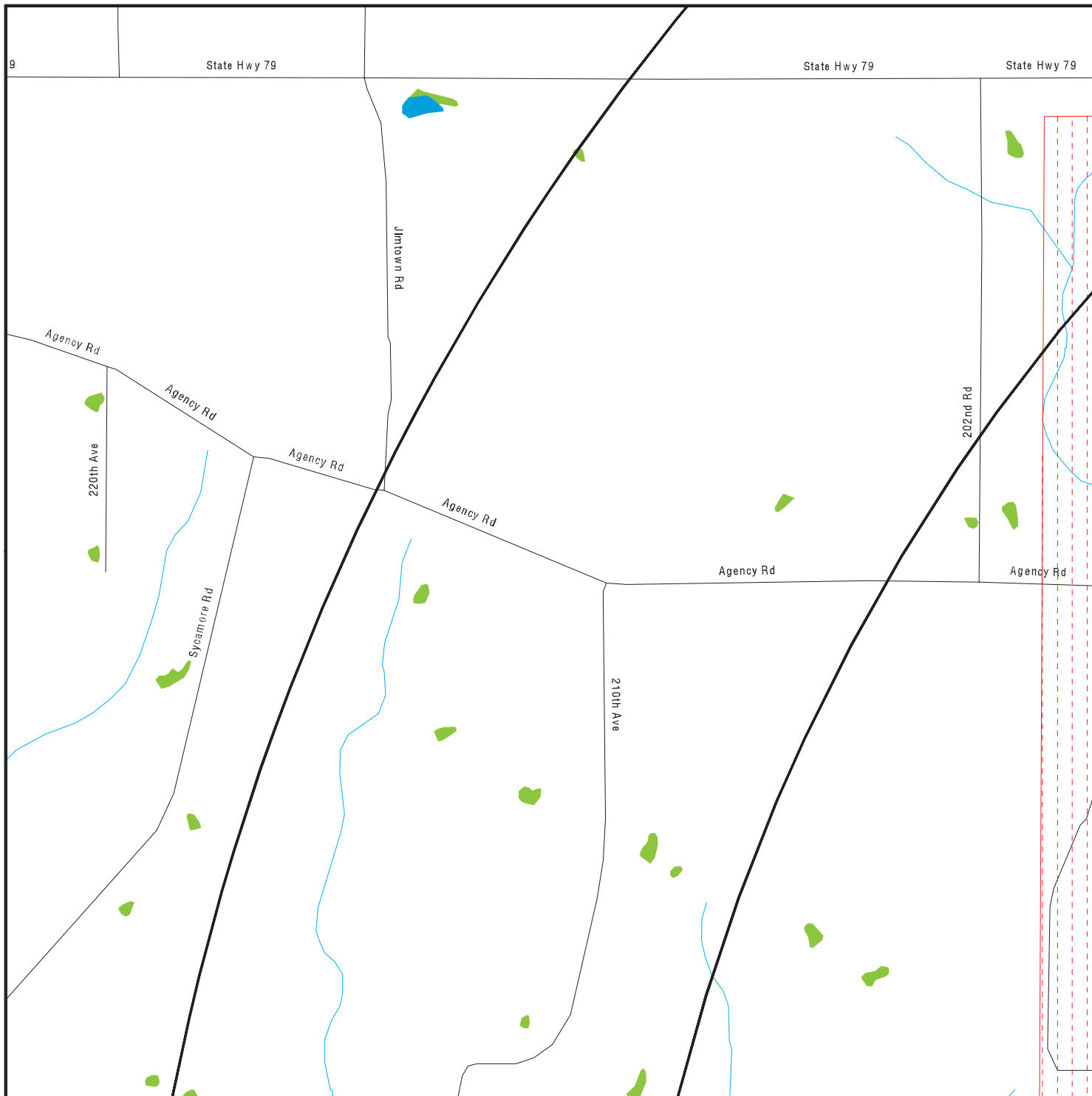
- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- National Wetland Inventory



**SITE NAME:** Lake Mathes  
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**LAT/LONG:** 40.7831 / 91.2569

**CLIENT:** H&S Environmental, Inc  
**CONTACT:** Patrick Schauble  
**INQUIRY #:** 4287912.2s  
**DATE:** May 08, 2015 2:17 pm

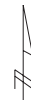
# DETAIL MAP - 4287912.2S



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- 🚚 National Priority List Sites
- 🏠 Dept. Defense Sites



- 🏠 Indian Reservations BIA
- 🔴 Oil & Gas pipelines from USGS
- 🟢 National Wetland Inventory

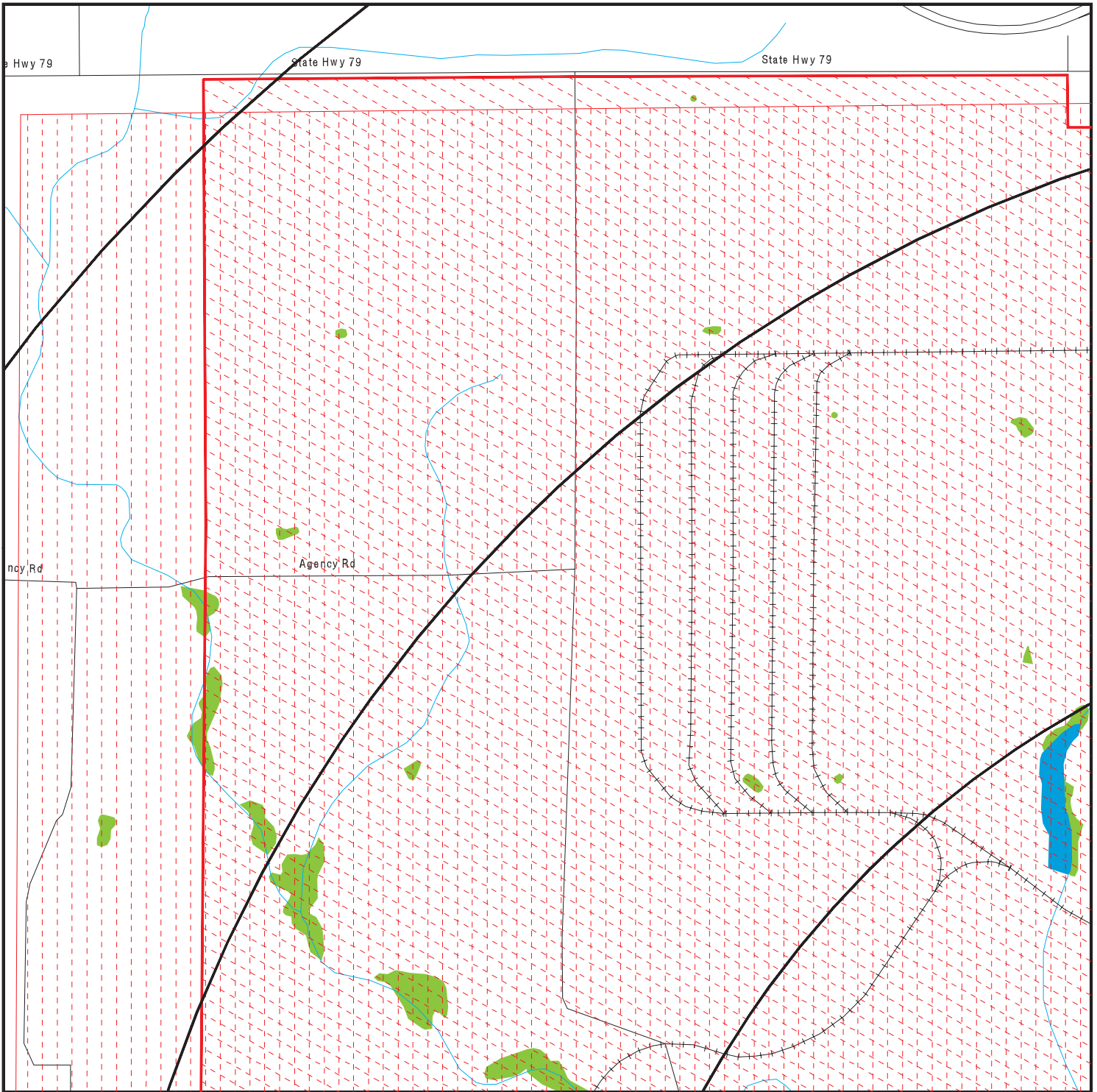


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**CONTACT:** Patrick Schauble  
**INQUIRY #:** 4287912.2s  
**DATE:** May 08, 2015 2:18 pm



# DETAIL MAP - 4287912.2S

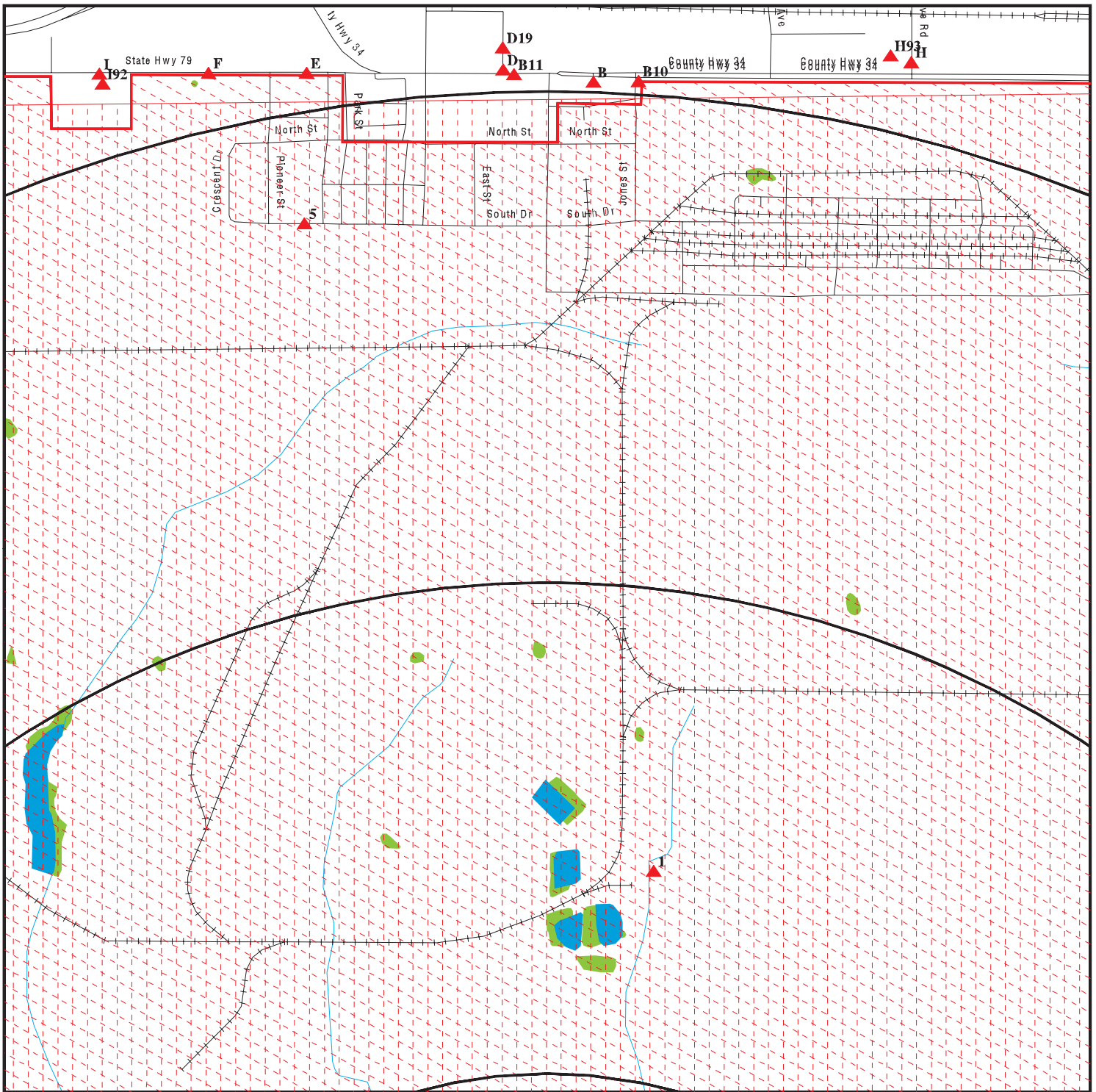


- ★ Target Property
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- Sensitive Receptors
- ▨ National Priority List Sites
- ▩ Dept. Defense Sites
- ▨ Indian Reservations BIA
- ⚡ Oil & Gas pipelines from USGS
- National Wetland Inventory

SITE NAME: Lake Mathes  
 ADDRESS: Lake Mathes  
 West Burlington IA 52655  
 LAT/LONG: 40.7831 / 91.2569

CLIENT: H&S Environmental, Inc  
 CONTACT: Patrick Schauble  
 INQUIRY #: 4287912.2s  
 DATE: May 08, 2015 2:19 pm

# DETAIL MAP - 4287912.2S

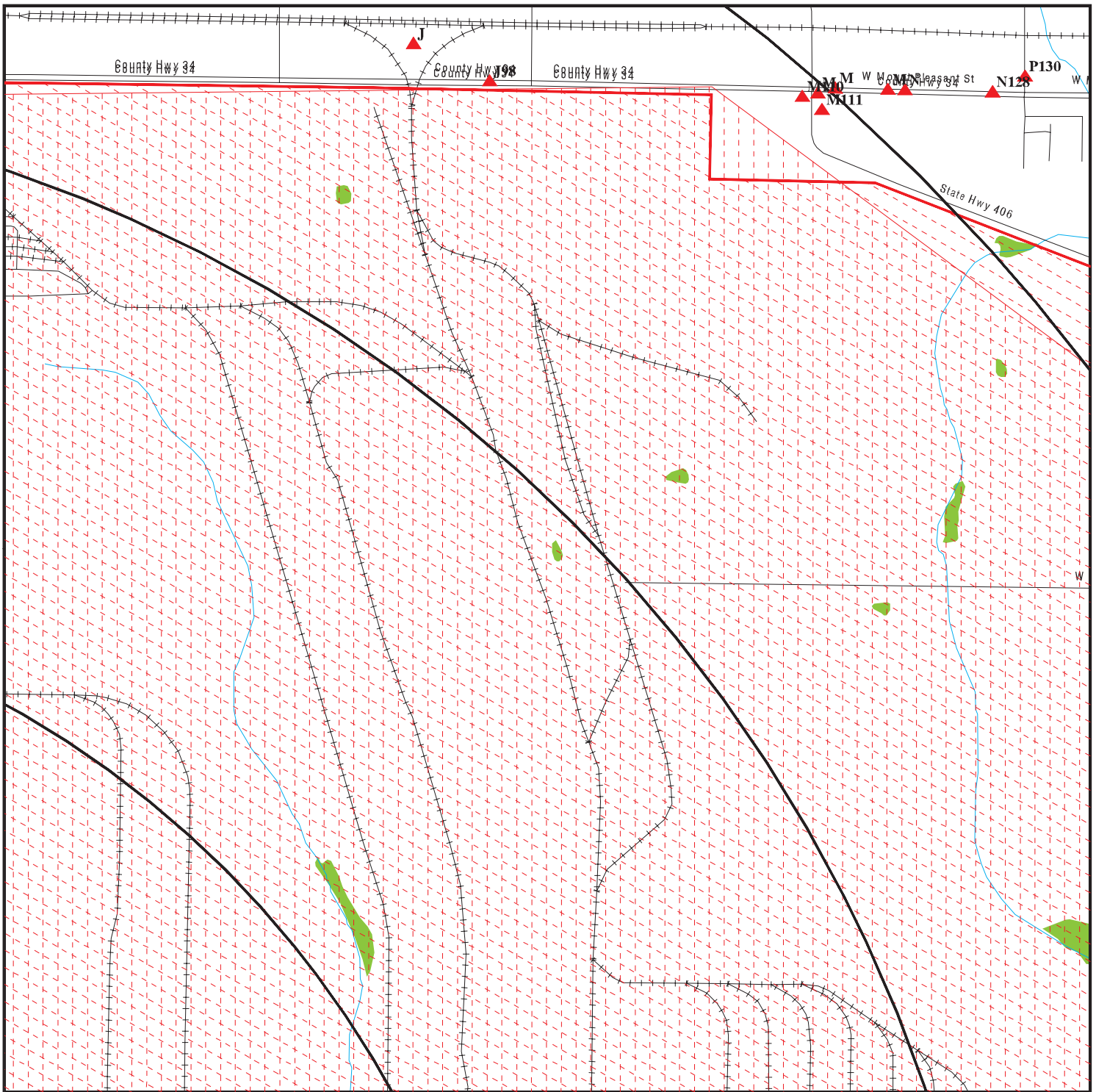


- ★ Target Property
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- ▨ National Priority List Sites
- ▨ Dept. Defense Sites
- ▨ Indian Reservations BIA
- ▨ Oil & Gas pipelines from USGS
- ▨ National Wetland Inventory

**SITE NAME:** Lake Mathes  
**ADDRESS:** Lake Mathes  
 West Burlington IA 52655  
**LAT/LONG:** 40.7831 / 91.2569

**CLIENT:** H&S Environmental, Inc  
**CONTACT:** Patrick Schauble  
**INQUIRY #:** 4287912.2s  
**DATE:** May 08, 2015 2:20 pm

# DETAIL MAP - 4287912.2S



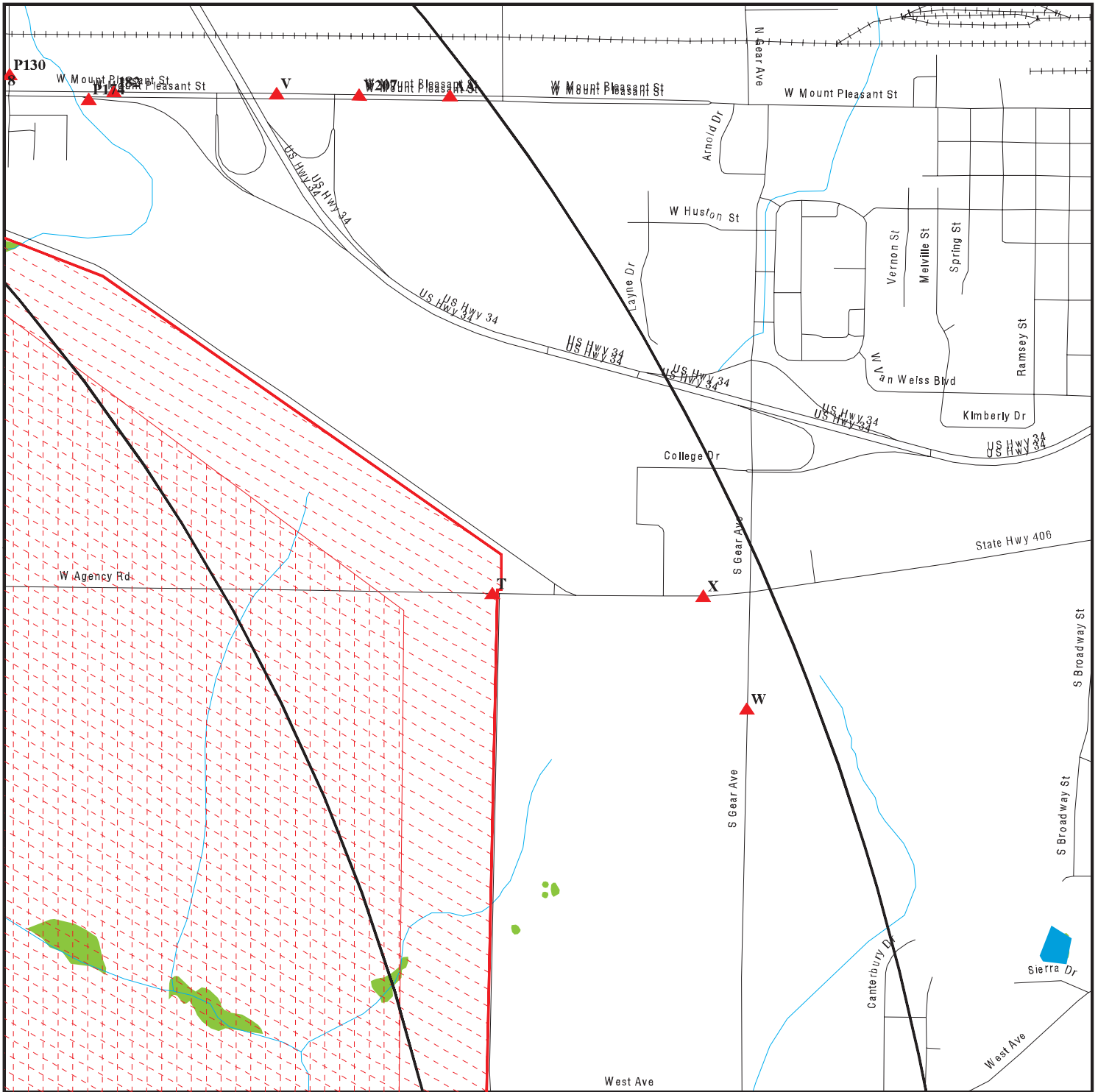
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
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- ▲ Manufactured Gas Plants
- Sensitive Receptors
- ▭ National Priority List Sites
- ▭ Dept. Defense Sites

- ▭ Indian Reservations BIA
- ▭ Oil & Gas pipelines from USGS
- ▭ National Wetland Inventory

SITE NAME: Lake Mathes  
 ADDRESS: Lake Mathes  
 West Burlington IA 52655  
 LAT/LONG: 40.7831 / 91.2569

CLIENT: H&S Environmental, Inc  
 CONTACT: Patrick Schauble  
 INQUIRY #: 4287912.2s  
 DATE: May 08, 2015 2:22 pm

# DETAIL MAP - 4287912.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- ▨ National Priority List Sites
- ▨ Dept. Defense Sites

- ▨ Indian Reservations BIA
- ▨ Oil & Gas pipelines from USGS
- National Wetland Inventory

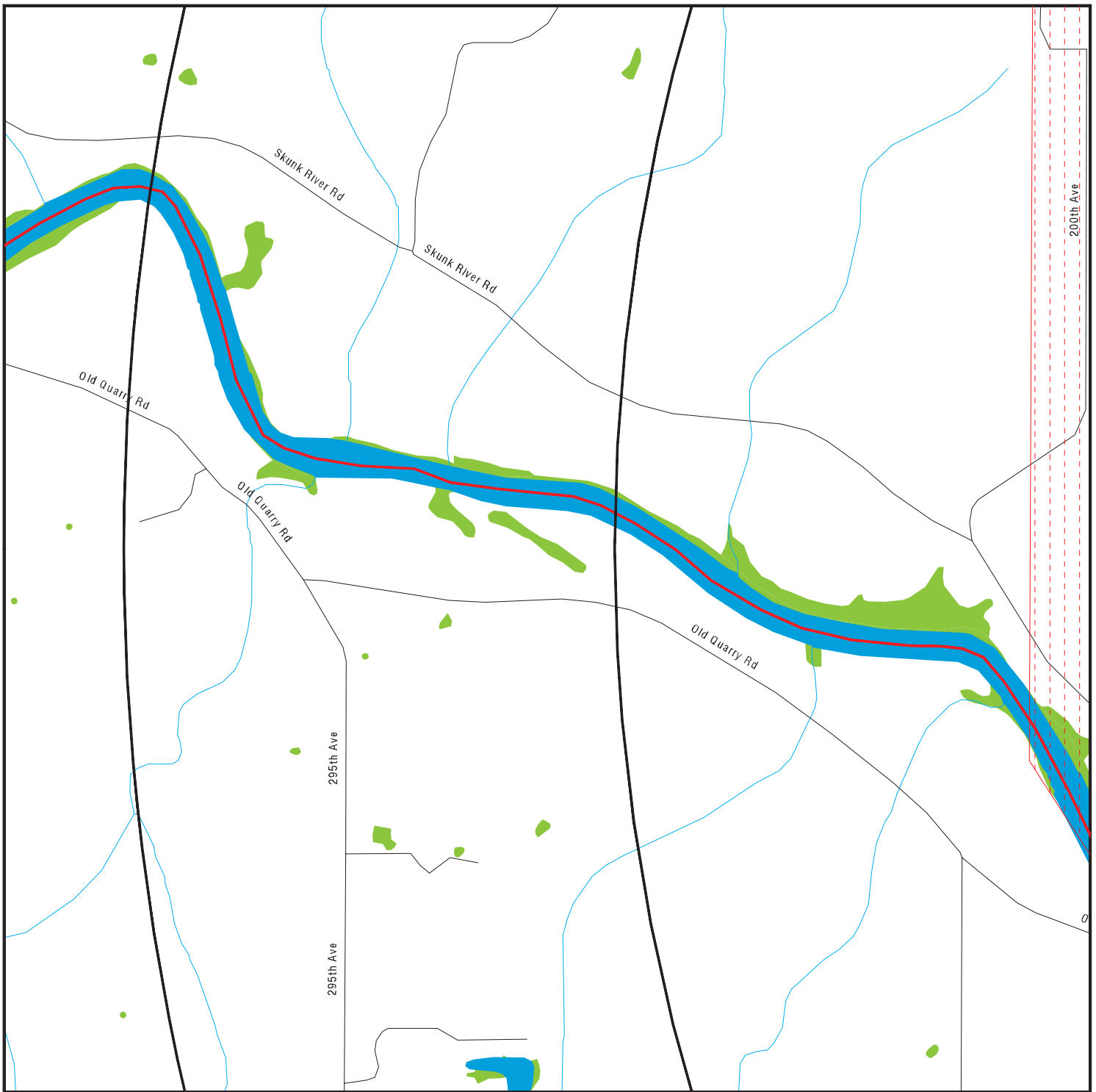


**SITE NAME:** Lake Mathes  
**ADDRESS:** Lake Mathes  
 West Burlington IA 52655  
**LAT/LONG:** 40.7831 / 91.2569

**CLIENT:** H&S Environmental, Inc  
**CONTACT:** Patrick Schauble  
**INQUIRY #:** 4287912.2s  
**DATE:** May 08, 2015 2:23 pm



# DETAIL MAP - 4287912.2S

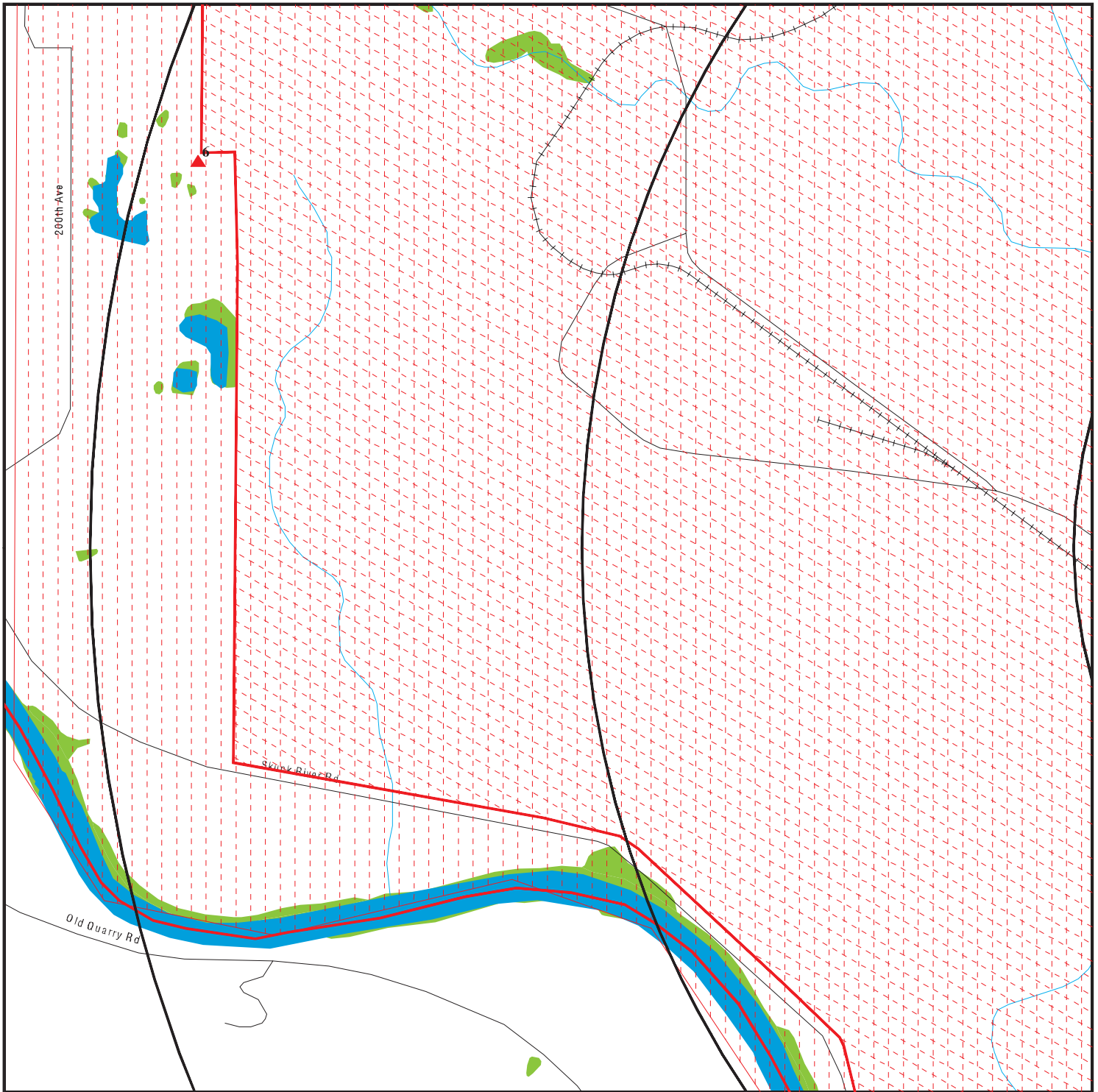


- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites

- ▭ Indian Reservations BIA
  - ▭ County Boundary
  - ▭ Oil & Gas pipelines from USGS
  - ▭ National Wetland Inventory
- 0 1/4 1/2 1 Miles

<p>SITE NAME: Lake Mathes          ADDRESS: Lake Mathes          West Burlington IA 52655          LAT/LONG: 40.7831 / 91.2569</p>	<p>CLIENT: H&amp;S Environmental, Inc          CONTACT: Patrick Schauble          INQUIRY #: 4287912.2s          DATE: May 08, 2015 2:24 pm</p>
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# DETAIL MAP - 4287912.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- ▨ National Priority List Sites
- ▨ Dept. Defense Sites

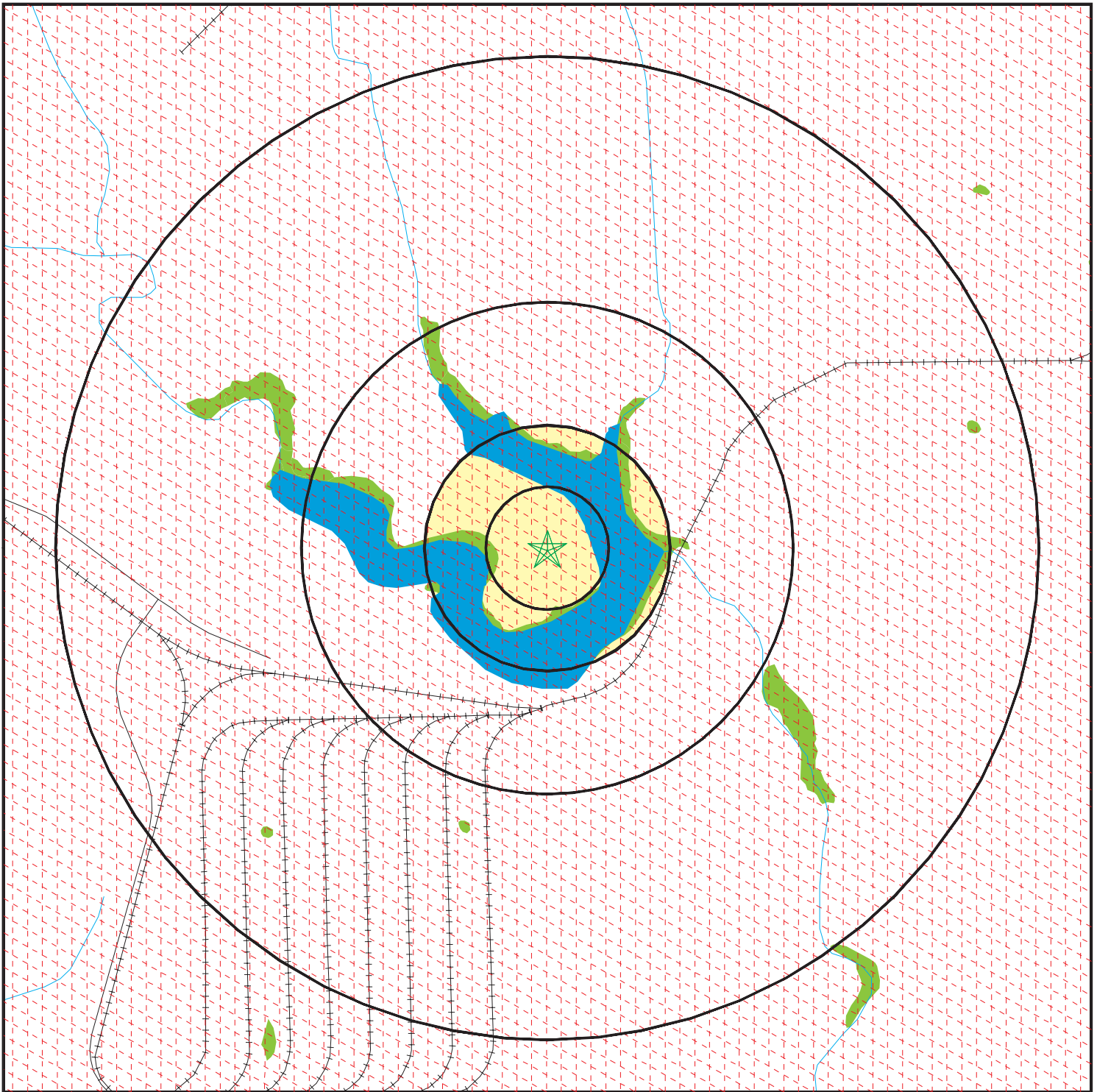
- ▨ Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- National Wetland Inventory



SITE NAME: Lake Mathes  
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 LAT/LONG: 40.7831 / 91.2569

CLIENT: H&S Environmental, Inc  
 CONTACT: Patrick Schauble  
 INQUIRY #: 4287912.2s  
 DATE: May 08, 2015 2:26 pm

# DETAIL MAP - 4287912.2S



- ★ Target Property
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- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- ▨ National Priority List Sites
- ▨ Dept. Defense Sites



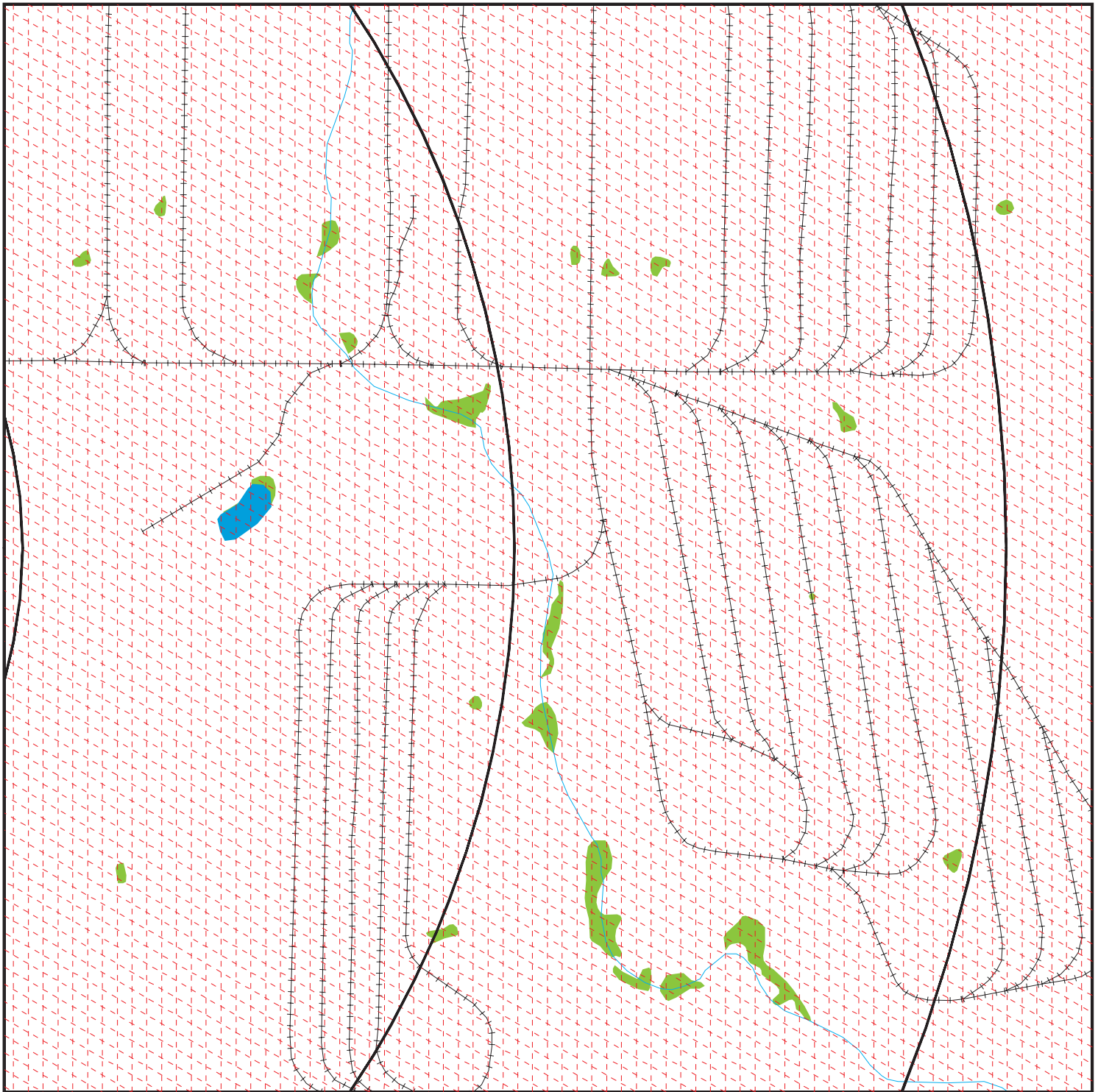
- ▨ Indian Reservations BIA
- ▨ Oil & Gas pipelines from USGS
- National Wetland Inventory



SITE NAME: Lake Mathes  
 ADDRESS: Lake Mathes  
 West Burlington IA 52655  
 LAT/LONG: 40.7831 / 91.2569

CLIENT: H&S Environmental, Inc  
 CONTACT: Patrick Schauble  
 INQUIRY #: 4287912.2s  
 DATE: May 08, 2015 2:27 pm

# DETAIL MAP - 4287912.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- ▧ National Priority List Sites
- ▧ Dept. Defense Sites

- ▨ Indian Reservations BIA
- ⚡ Oil & Gas pipelines from USGS
- National Wetland Inventory

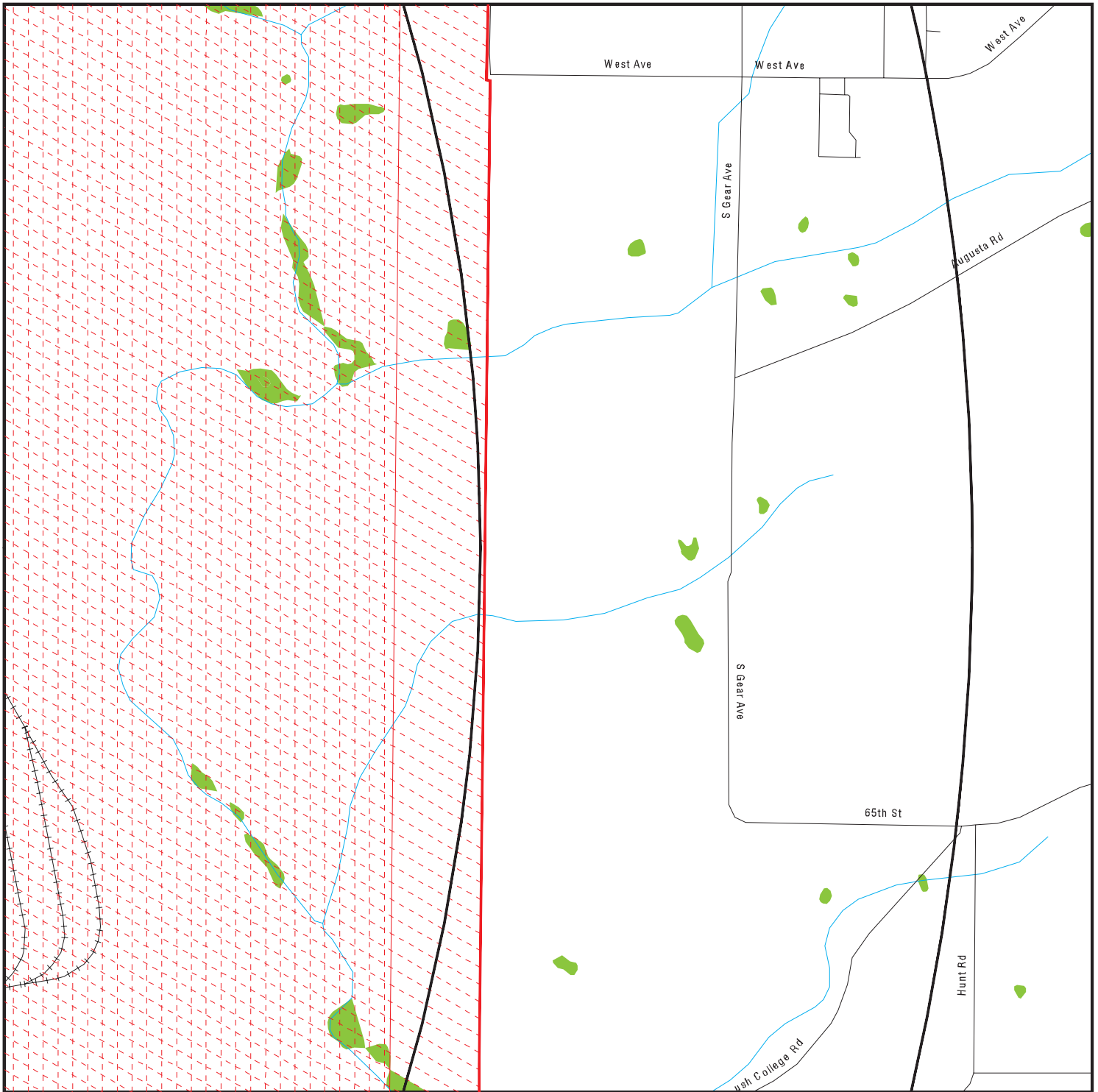


SITE NAME: Lake Mathes  
 ADDRESS: Lake Mathes  
 West Burlington IA 52655  
 LAT/LONG: 40.7831 / 91.2569

CLIENT: H&S Environmental, Inc  
 CONTACT: Patrick Schauble  
 INQUIRY #: 4287912.2s  
 DATE: May 08, 2015 2:28 pm



# DETAIL MAP - 4287912.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites

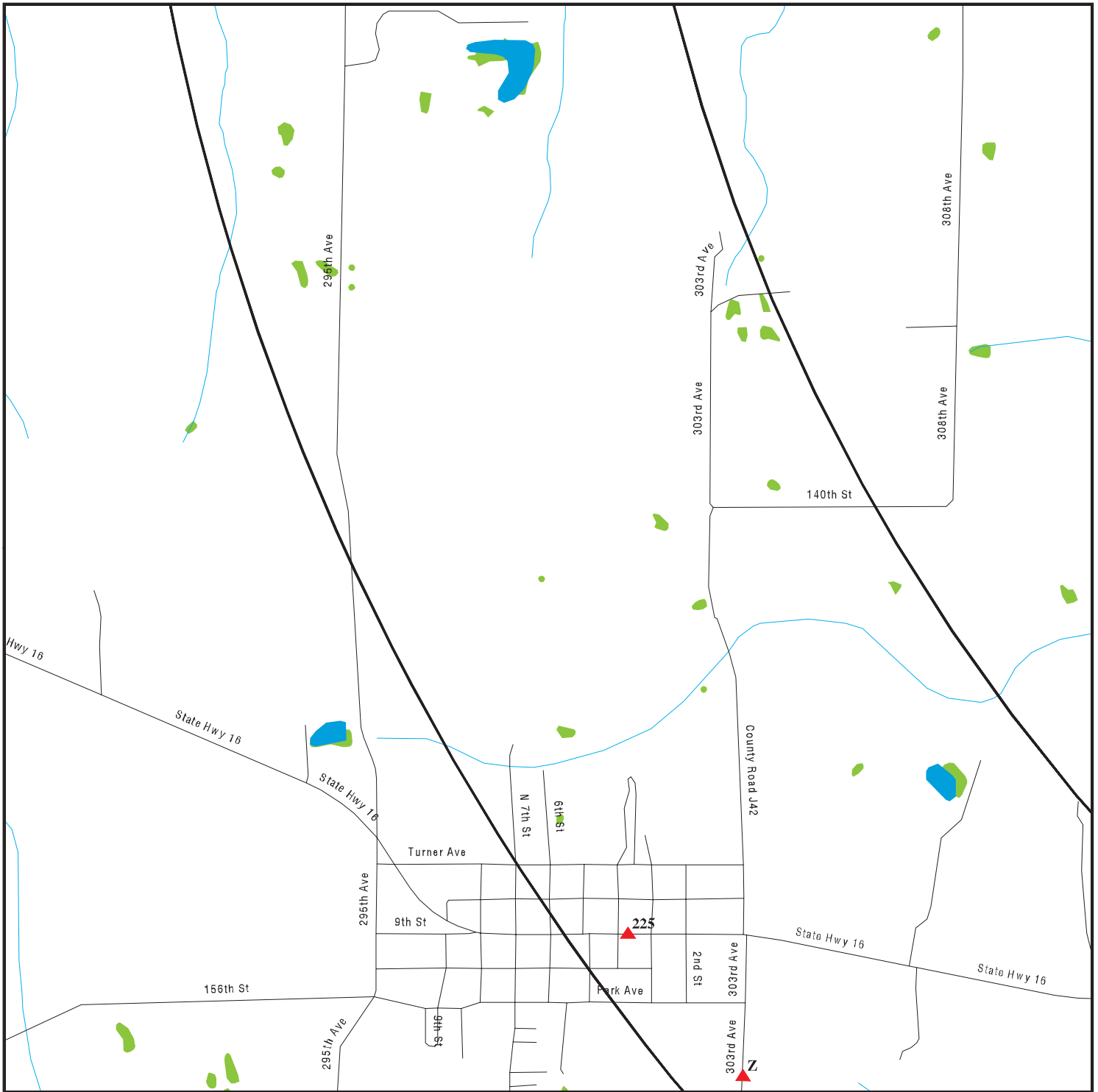
- ☒ Indian Reservations BIA
- ⚡ Oil & Gas pipelines from USGS
- National Wetland Inventory



**SITE NAME:** Lake Mathes  
**ADDRESS:** Lake Mathes  
 West Burlington IA 52655  
**LAT/LONG:** 40.7831 / 91.2569

**CLIENT:** H&S Environmental, Inc  
**CONTACT:** Patrick Schauble  
**INQUIRY #:** 4287912.2s  
**DATE:** May 08, 2015 2:29 pm

# DETAIL MAP - 4287912.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites

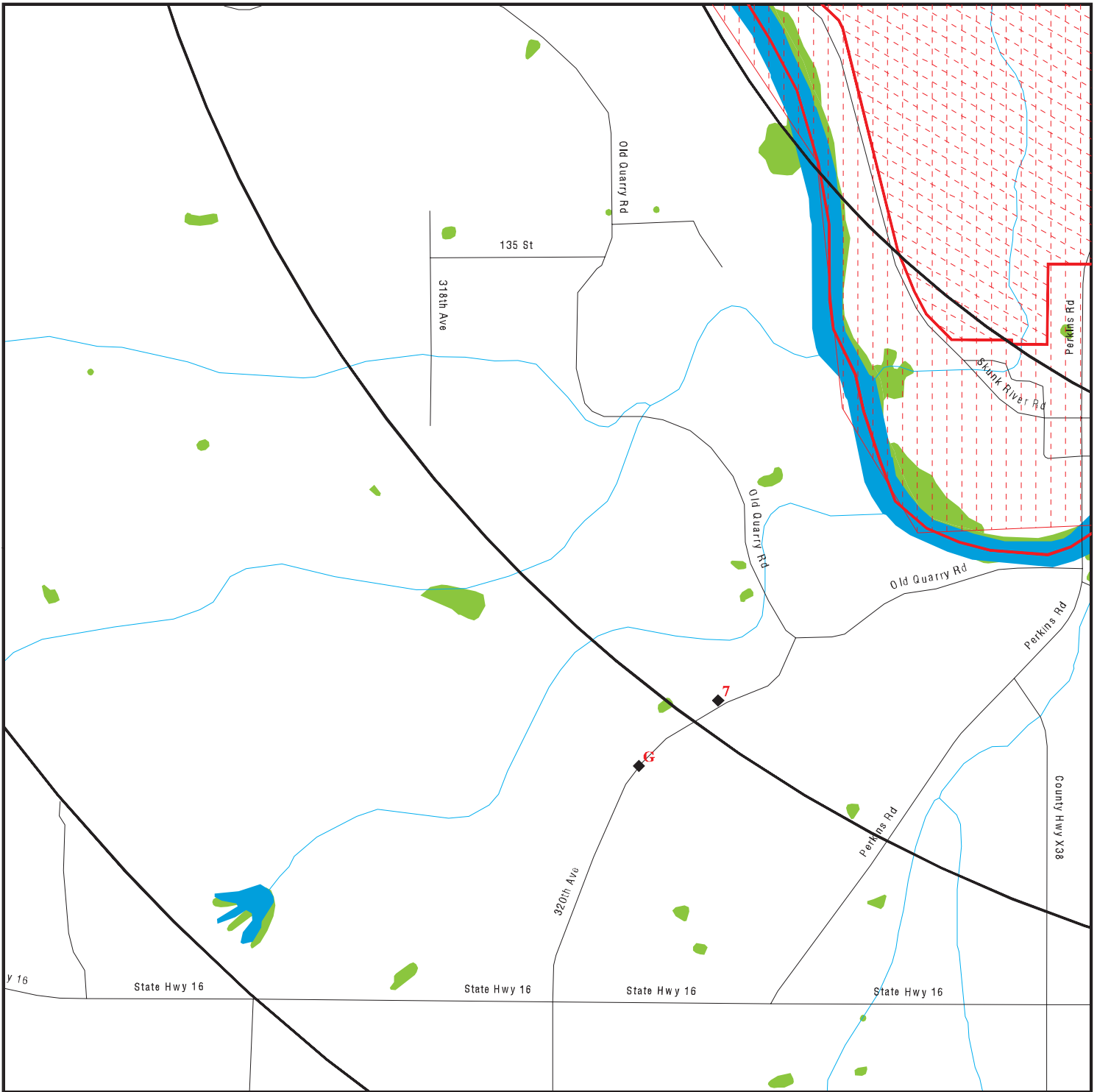
- ☒ Indian Reservations BIA
- ⚡ Oil & Gas pipelines from USGS
- National Wetland Inventory



SITE NAME: Lake Mathes  
 ADDRESS: Lake Mathes  
 West Burlington IA 52655  
 LAT/LONG: 40.7831 / 91.2569

CLIENT: H&S Environmental, Inc  
 CONTACT: Patrick Schauble  
 INQUIRY #: 4287912.2s  
 DATE: May 08, 2015 2:30 pm

# DETAIL MAP - 4287912.2S



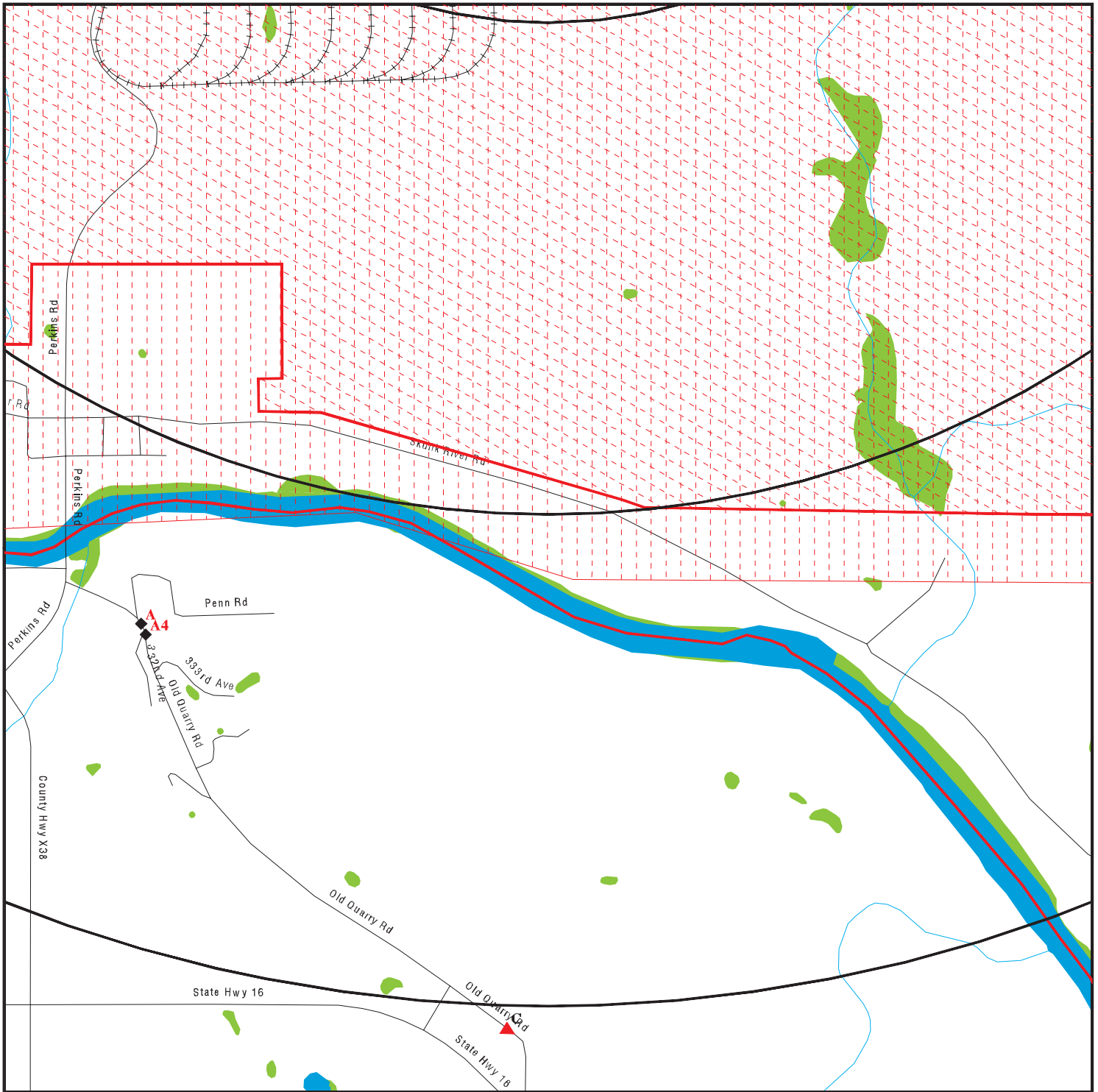
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- National Wetland Inventory

**SITE NAME:** Lake Mathes  
**ADDRESS:** Lake Mathes  
 West Burlington IA 52655  
**LAT/LONG:** 40.7831 / 91.2569

**CLIENT:** H&S Environmental, Inc  
**CONTACT:** Patrick Schauble  
**INQUIRY #:** 4287912.2s  
**DATE:** May 08, 2015 2:32 pm

# DETAIL MAP - 4287912.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- National Wetland Inventory

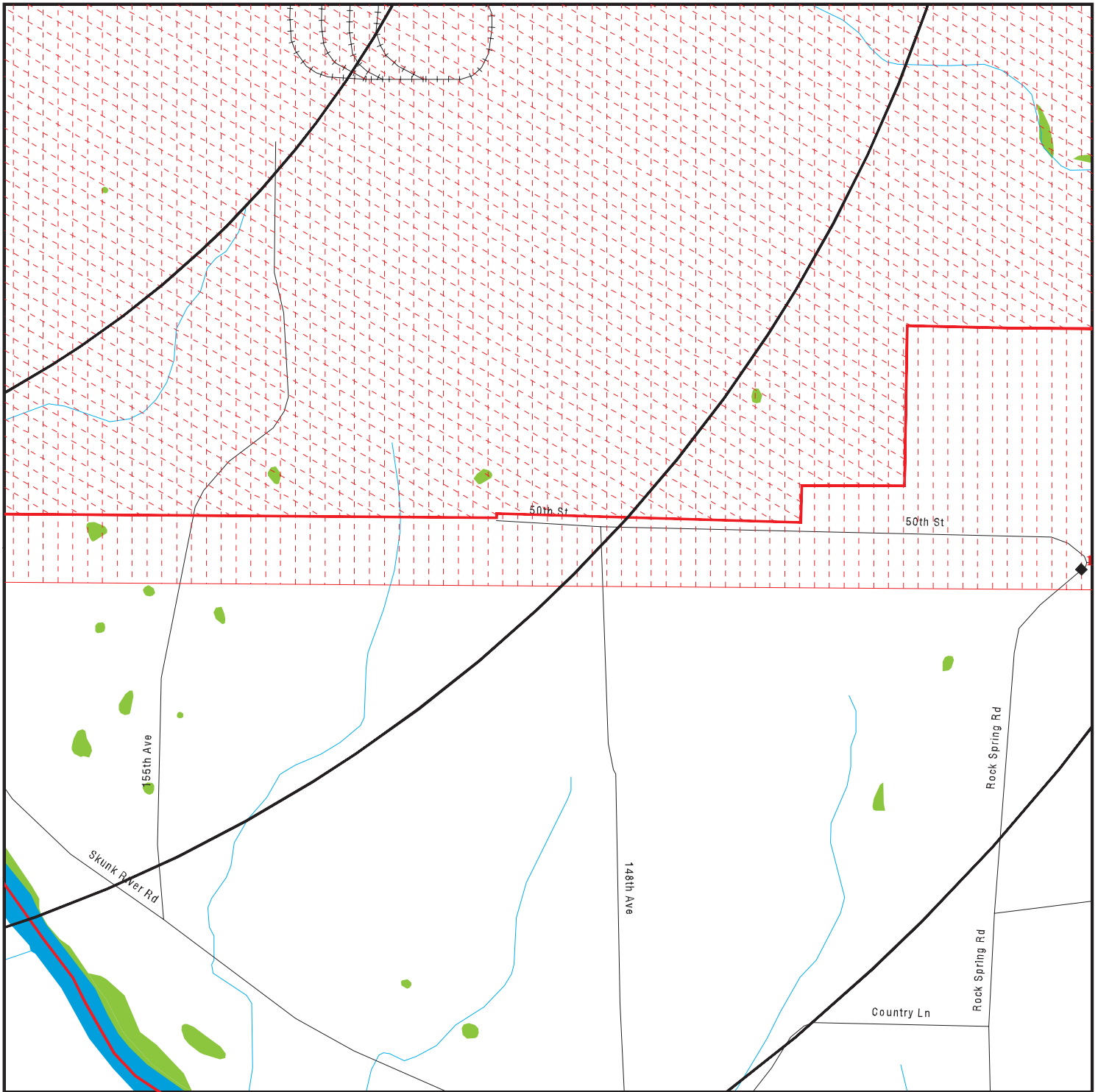


**SITE NAME:** Lake Mathes  
**ADDRESS:** Lake Mathes  
 West Burlington IA 52655  
**LAT/LONG:** 40.7831 / 91.2569

**CLIENT:** H&S Environmental, Inc  
**CONTACT:** Patrick Schauble  
**INQUIRY #:** 4287912.2s  
**DATE:** May 08, 2015 2:33 pm



# DETAIL MAP - 4287912.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- ▨ National Priority List Sites
- ▩ Dept. Defense Sites

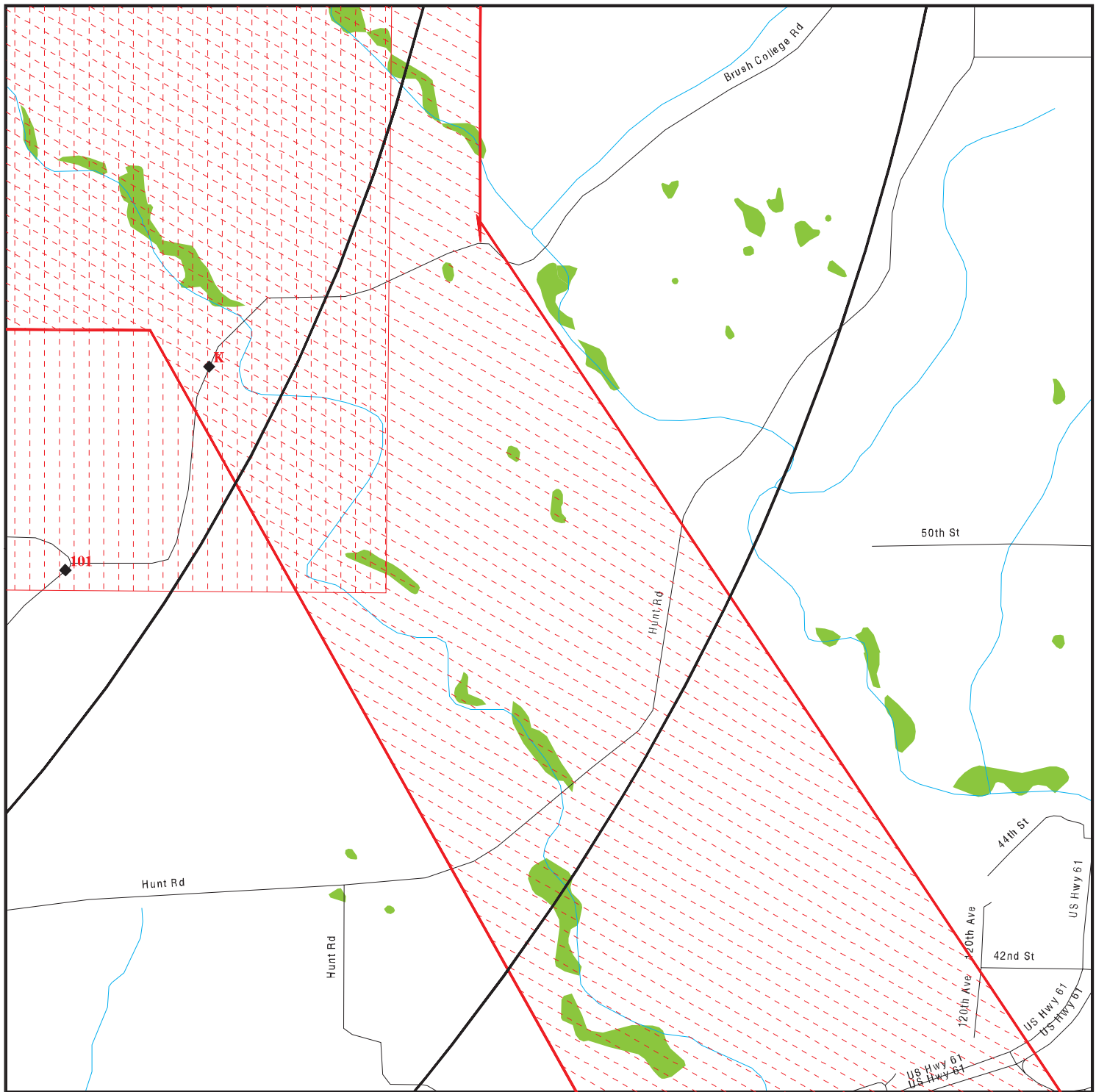
- ▨ Indian Reservations BIA
- ▩ County Boundary
- ▨ Oil & Gas pipelines from USGS
- National Wetland Inventory



SITE NAME: Lake Mathes  
 ADDRESS: Lake Mathes  
 West Burlington IA 52655  
 LAT/LONG: 40.7831 / 91.2569

CLIENT: H&S Environmental, Inc  
 CONTACT: Patrick Schauble  
 INQUIRY #: 4287912.2s  
 DATE: May 08, 2015 2:35 pm

# DETAIL MAP - 4287912.2S



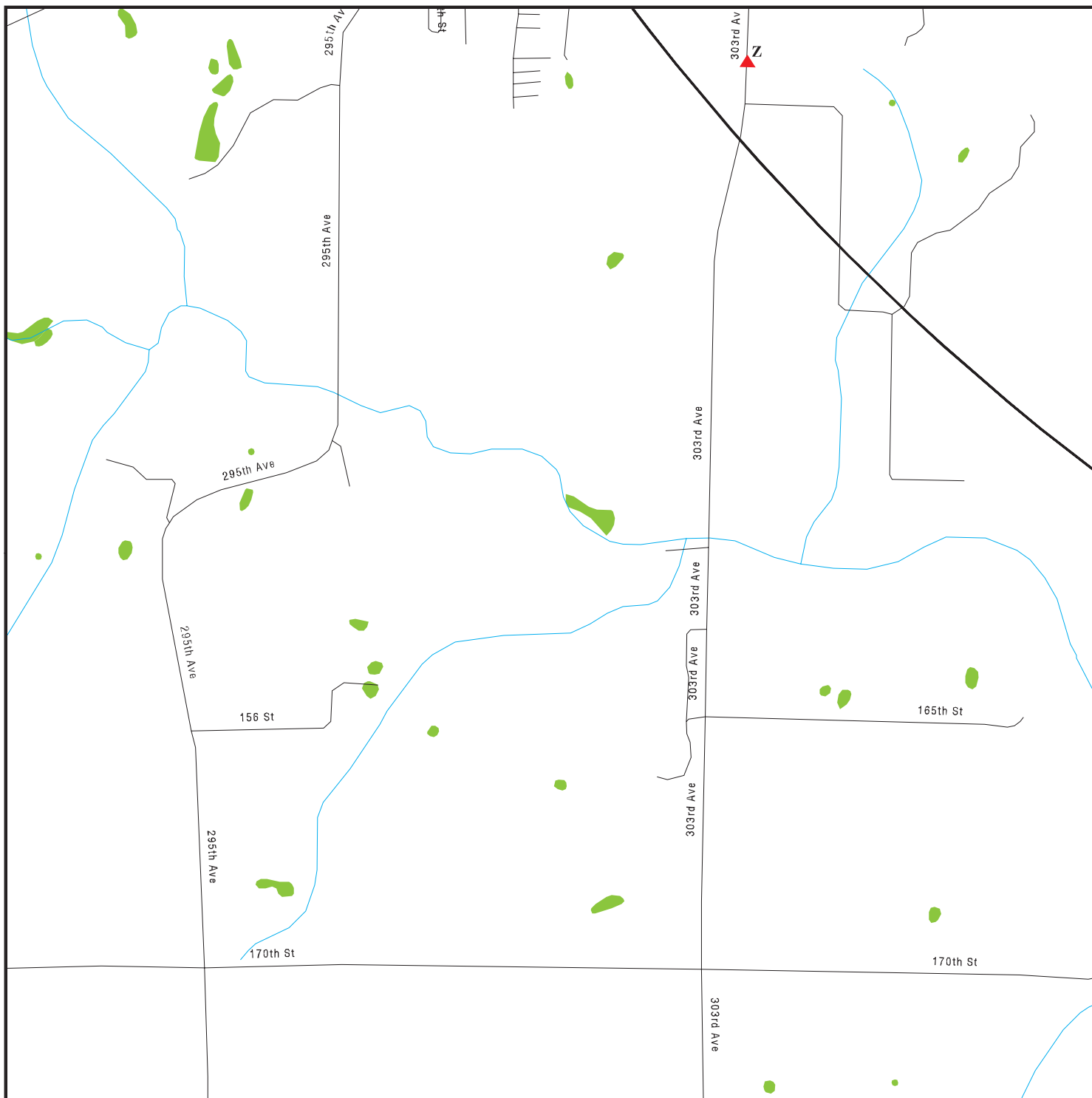
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- ▨ National Priority List Sites
- ▨ Dept. Defense Sites

- ▨ Indian Reservations BIA
- ▨ Oil & Gas pipelines from USGS
- National Wetland Inventory

**SITE NAME:** Lake Mathes  
**ADDRESS:** Lake Mathes  
 West Burlington IA 52655  
**LAT/LONG:** 40.7831 / 91.2569

**CLIENT:** H&S Environmental, Inc  
**CONTACT:** Patrick Schauble  
**INQUIRY #:** 4287912.2s  
**DATE:** May 08, 2015 2:36 pm

# DETAIL MAP - 4287912.2S



- ★ 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 1/4 1/2 1 Miles

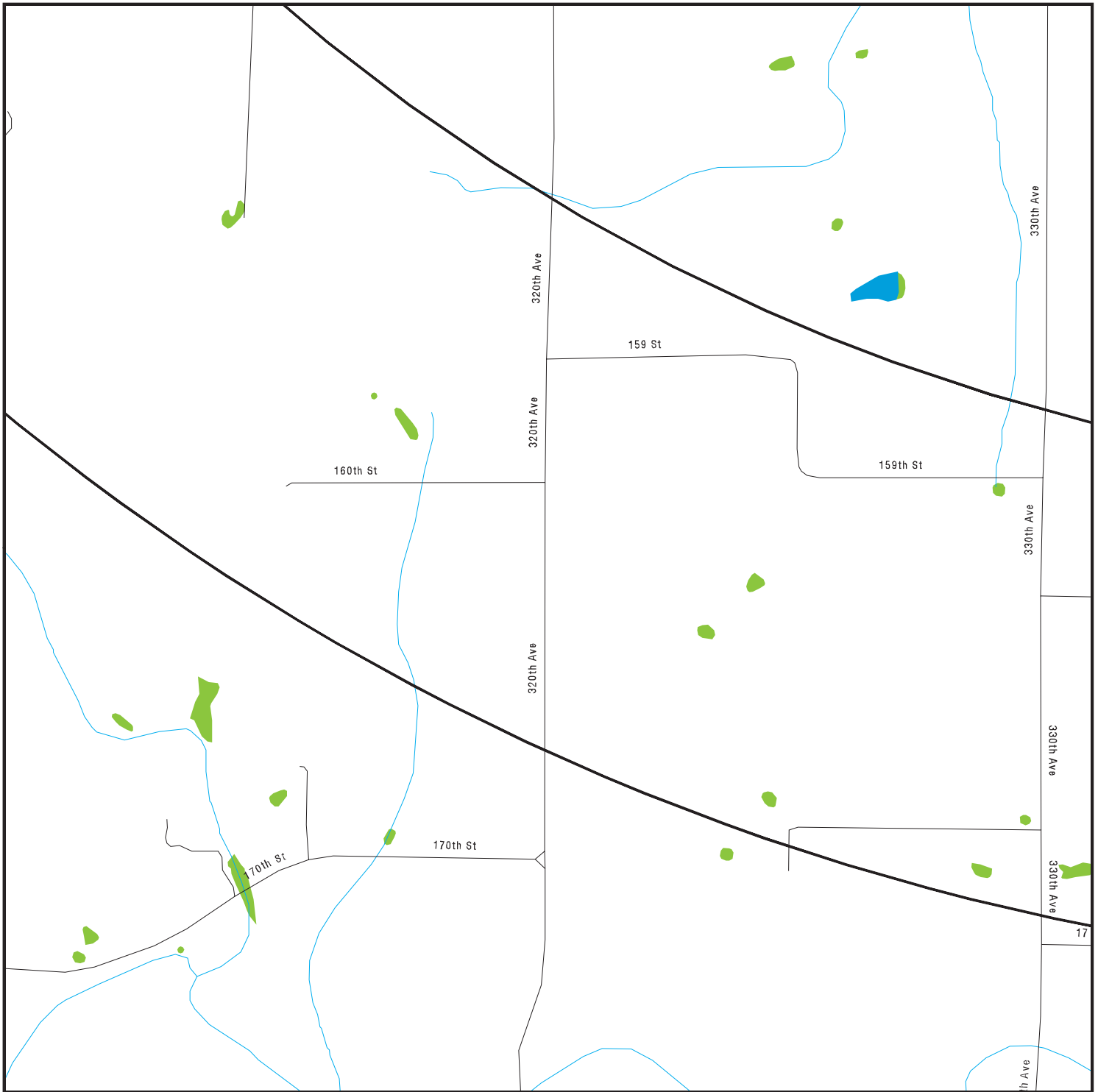
Indian Reservations BIA

Oil & Gas pipelines from USGS

National Wetland Inventory

<p><b>SITE NAME:</b> Lake Mathes  <b>ADDRESS:</b> Lake Mathes          West Burlington IA 52655  <b>LAT/LONG:</b> 40.7831 / 91.2569</p>	<p><b>CLIENT:</b> H&amp;S Environmental, Inc  <b>CONTACT:</b> Patrick Schauble  <b>INQUIRY #:</b> 4287912.2s  <b>DATE:</b> May 08, 2015 2:38 pm</p>
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# DETAIL MAP - 4287912.2S



- ★ 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 1/4 1/2 1 Miles

Indian Reservations BIA

Oil & Gas pipelines from USGS

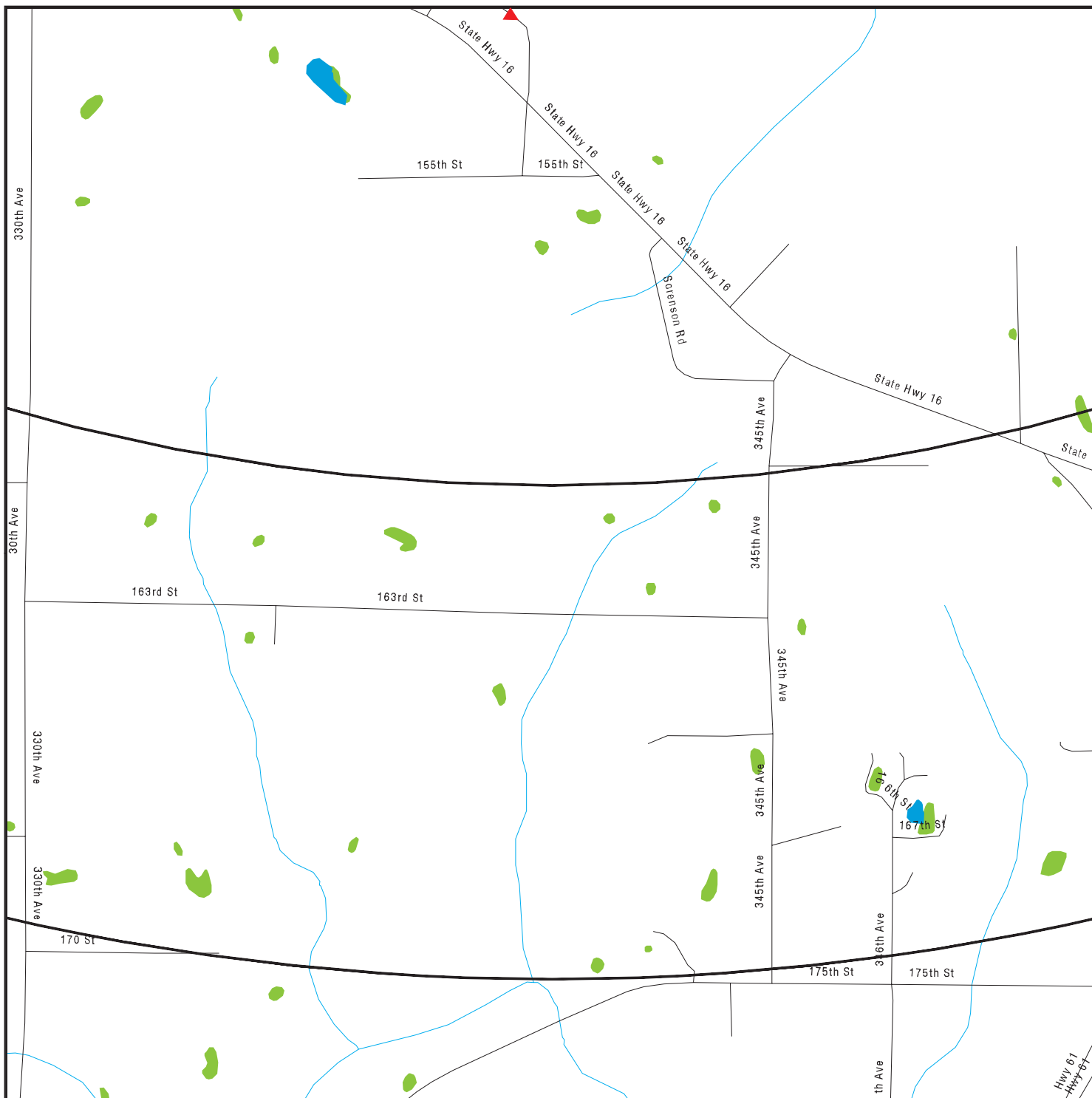
National Wetland Inventory

SITE NAME: Lake Mathes  
 ADDRESS: Lake Mathes  
 West Burlington IA 52655  
 LAT/LONG: 40.7831 / 91.2569

CLIENT: H&S Environmental, Inc  
 CONTACT: Patrick Schauble  
 INQUIRY #: 4287912.2s  
 DATE: May 08, 2015 2:39 pm



# DETAIL MAP - 4287912.2S



- ★ 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 1/4 1/2 1 Miles

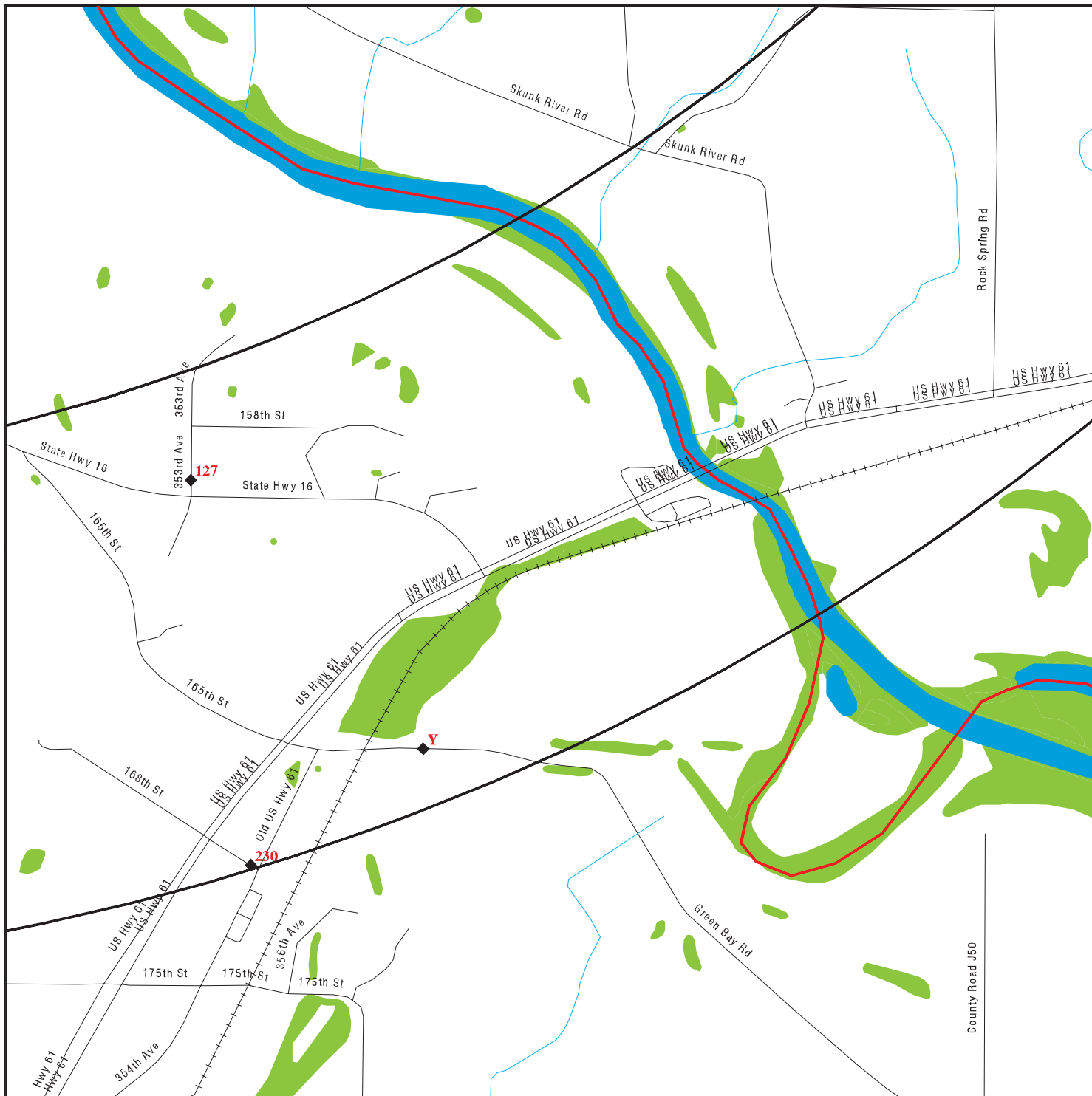
Indian Reservations BIA

Oil & Gas pipelines from USGS

National Wetland Inventory

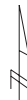
<p>SITE NAME: Lake Mathes          ADDRESS: Lake Mathes          West Burlington IA 52655          LAT/LONG: 40.7831 / 91.2569</p>	<p>CLIENT: H&amp;S Environmental, Inc          CONTACT: Patrick Schauble          INQUIRY #: 4287912.2s          DATE: May 08, 2015 2:41 pm</p>
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# DETAIL MAP - 4287912.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

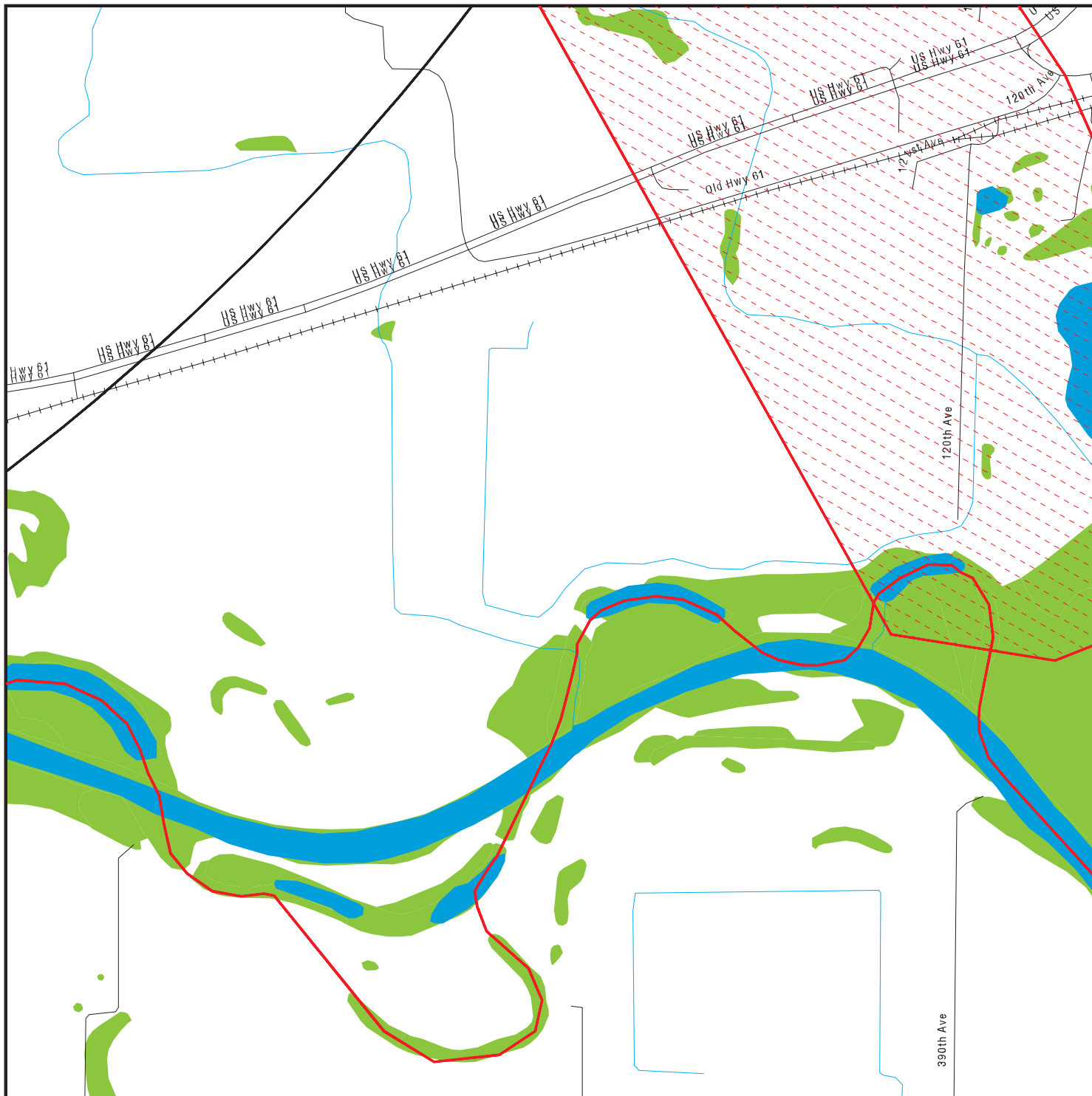
- ▨ Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- National Wetland Inventory



SITE NAME: Lake Mathes  
 ADDRESS: Lake Mathes  
 West Burlington IA 52655  
 LAT/LONG: 40.7831 / 91.2569

CLIENT: H&S Environmental, Inc  
 CONTACT: Patrick Schauble  
 INQUIRY #: 4287912.2s  
 DATE: May 08, 2015 2:43 pm

# DETAIL MAP - 4287912.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- ▨ National Priority List Sites
- ▩ Dept. Defense Sites

- ▨ Indian Reservations BIA
- County Boundary
- ⚡ Oil & Gas pipelines from USGS
- National Wetland Inventory

SITE NAME: Lake Mathes  
 ADDRESS: Lake Mathes  
 West Burlington IA 52655  
 LAT/LONG: 40.7831 / 91.2569

CLIENT: H&S Environmental, Inc  
 CONTACT: Patrick Schauble  
 INQUIRY #: 4287912.2s  
 DATE: May 08, 2015 2:45 pm

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	5.000		1	0	0	0	0	1
Proposed NPL	5.000		0	0	0	0	0	0
NPL LIENS	5.000		0	0	0	0	0	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	5.000		0	0	0	0	0	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS	5.000		1	0	0	0	0	1
FEDERAL FACILITY	5.000		0	0	0	0	0	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP	5.000		0	0	0	0	0	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	5.000		1	0	0	0	1	2
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	5.000		1	0	0	0	1	2
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	5.000		1	0	0	0	0	1
RCRA-SQG	5.000		0	0	0	0	3	3
RCRA-CESQG	5.000		0	0	0	0	5	5
<b><i>Federal institutional controls / engineering controls registries</i></b>								
US ENG CONTROLS	5.000		1	0	0	0	0	1
US INST CONTROL	5.000		1	0	0	0	0	1
LUCIS	5.000		0	0	0	0	0	0
<b><i>Federal ERNS list</i></b>								
ERNS	5.000		0	0	0	0	30	30
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
IA SHWS	5.000		0	0	0	0	0	0
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
IA SWF/LF	5.000		0	0	0	0	4	4
<b><i>State and tribal leaking storage tank lists</i></b>								
IA LUST	5.000		1	0	0	0	9	10
IA LAST	5.000		0	0	0	0	0	0
INDIAN LUST	5.000		0	0	0	0	0	0
<b><i>State and tribal registered storage tank lists</i></b>								
IA UST	5.000		1	0	0	0	16	17



## 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 AST	5.000		0	0	0	0	2	2
INDIAN UST	5.000		0	0	0	0	0	0
FEMA UST	5.000		0	0	0	0	0	0
<b>State and tribal institutional control / engineering control registries</b>								
IA INST CONTROL	5.000		0	0	0	0	1	1
<b>State and tribal voluntary cleanup sites</b>								
IA VCP	5.000		0	0	0	0	0	0
INDIAN VCP	5.000		0	0	0	0	0	0
<b>State and tribal Brownfields sites</b>								
IA BROWNFIELDS	5.000		0	0	0	0	0	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	5.000		0	0	0	0	0	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
DEBRIS REGION 9	5.000		0	0	0	0	0	0
ODI	5.000		0	0	0	0	0	0
INDIAN ODI	5.000		0	0	0	0	0	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US CDL	5.000		0	0	0	0	1	1
IA ALLSITES	5.000		0	0	0	0	1	1
IA DEL SHWS	5.000		0	0	0	0	0	0
US HIST CDL	5.000		0	0	0	0	2	2
<b>Local Land Records</b>								
LIENS 2	5.000		0	0	0	0	0	0
IA LIENS	5.000		0	0	0	0	0	0
<b>Records of Emergency Release Reports</b>								
HMIRS	5.000		0	0	0	0	43	43
IA SPILLS	5.000		0	0	0	0	29	29
IA SPILLS 90	5.000		0	0	0	0	0	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	5.000		0	0	0	0	3	3
DOT OPS	5.000		0	0	0	0	0	0
DOD	5.000		1	0	0	0	0	1
FUDS	5.000		0	0	0	0	0	0
CONSENT	5.000		0	0	0	0	0	0
ROD	5.000		1	0	0	0	0	1
UMTRA	5.000		0	0	0	0	0	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
US MINES	5.000		0	0	0	0	2	2
TRIS	5.000		0	0	0	0	2	2
TSCA	5.000		0	0	0	0	1	1
FTTS	5.000		0	0	0	0	3	3
HIST FTTS	5.000		0	0	0	0	3	3
SSTS	5.000		0	0	0	0	0	0
ICIS	5.000		1	0	0	0	1	2
PADS	5.000		0	0	0	0	1	1
MLTS	5.000		0	0	0	0	2	2
RADINFO	5.000		0	0	0	0	0	0
FINDS	5.000		1	0	0	0	49	50
RAATS	5.000		1	0	0	0	0	1
RMP	5.000		0	0	0	0	4	4
NY MANIFEST	5.000		0	0	0	0	1	1
WI MANIFEST	5.000		1	0	0	0	1	2
PA MANIFEST	5.000		1	0	0	0	0	1
IA DRYCLEANERS	5.000		0	0	0	0	0	0
IA NPDES	5.000		0	0	0	0	8	8
IA AIRS	5.000		0	0	0	0	9	9
IA TIER 2	5.000		0	0	0	0	6	6
INDIAN RESERV	5.000		0	0	0	0	0	0
SCRD DRYCLEANERS	5.000		0	0	0	0	0	0
IA COAL ASH	5.000		0	0	0	0	1	1
IA Financial Assurance	5.000		0	0	0	0	6	6
COAL ASH EPA	5.000		0	0	0	0	0	0
US FIN ASSUR	5.000		0	0	0	0	0	0
US AIRS	5.000		0	0	0	0	8	8
EPA WATCH LIST	5.000		0	0	0	0	0	0
LEAD SMELTERS	5.000		0	0	0	0	0	0
PCB TRANSFORMER	5.000		0	0	0	0	3	3
COAL ASH DOE	5.000		0	0	0	0	0	0
2020 COR ACTION	5.000		1	0	0	0	1	2
PRP	5.000		0	0	0	0	0	0
<b><u>EDR HIGH RISK HISTORICAL RECORDS</u></b>								
<b><i>EDR Exclusive Records</i></b>								
EDR MGP	5.000		0	0	0	0	0	0
EDR US Hist Auto Stat	5.000		0	0	0	0	7	7
EDR US Hist Cleaners	5.000		0	0	0	0	0	0
<b><u>EDR RECOVERED GOVERNMENT ARCHIVES</u></b>								
<b><i>Exclusive Recovered Govt. Archives</i></b>								
IA RGA HWS	5.000		0	0	0	0	0	0
IA RGA LUST	5.000		0	0	0	0	5	5
- Totals --		0	17	0	0	0	275	292

## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
-----------------	--	----------------------------	-----------------	------------------	------------------	----------------	---------------	--------------------------

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOD  
Region**

**IOWA ARMY AMMUNITION PLANT  
IOWA ARMY AMMUNITION PLAN (County), IA**

**DOD CUSA125994  
N/A**

< 1/8  
1 ft.

DOD:  
Feature 1: Army DOD  
Feature 2: Not reported  
Feature 3: Not reported  
URL: Not reported  
Name 1: Iowa Army Ammunition Plant  
Name 2: Not reported  
Name 3: Not reported  
State: IA  
DOD Site: Yes  
Tile name: IADES\_MOINES

**NPL  
Region**

**IOWA ARMY AMMUNITION PLANT  
17571 STATE HWY 79  
MIDDLETOWN, IA 52638**

**RCRA-TSDF 1000141617  
NPL IA7213820445  
CERCLIS  
CORRACTS  
RCRA-LQG  
US ENG CONTROLS  
US INST CONTROL  
ROD  
ICIS  
FINDS  
RAATS  
IA LUST  
IA UST  
PA MANIFEST  
WI MANIFEST  
2020 COR ACTION**

< 1/8  
1 ft.

RCRA-TSDF:  
Date form received by agency: 08/25/2014  
Facility name: IOWA ARMY AMMUNITION PLANT  
Facility address: 17571 DMC HWY 79  
MIDDLETOWN, IA 52638  
EPA ID: IA7213820445  
Mailing address: DMC HWY 79  
MIDDLETOWN, IA 52638  
Contact: LEON D BAXTER  
Contact address: DMC HWY 79  
MIDDLETOWN, IA 52638  
Contact country: US  
Contact telephone: 319 7537101  
Contact email: LEON.D.BAXTER.CIV@MAIL.MIL  
EPA Region: 07  
Land type: Federal  
Classification: TSDF  
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste  
Classification: Large Quantity Generator  
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name: AMERICAN ORDINANCE LLC  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: Not reported  
Owner/operator telephone: Not reported  
Legal status: Other  
Owner/Operator Type: Operator  
Owner/Op start date: 10/01/1998  
Owner/Op end date: Not reported

Owner/operator name: US ARMY  
Owner/operator address: DMC HWY 79  
MIDDLETOWN, IA 52638  
Owner/operator country: Not reported  
Owner/operator telephone: (319) 753-7200  
Legal status: Federal  
Owner/Operator Type: Owner  
Owner/Op start date: 11/01/1940  
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: Yes  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: D001  
. Waste name: IGNITABLE WASTE  
  
. Waste code: D002  
. Waste name: CORROSIVE WASTE  
  
. Waste code: D003  
. Waste name: REACTIVE WASTE  
  
. Waste code: D005

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

- . Waste name: BARIUM
- . Waste code: D006
- . Waste name: CADMIUM
- . Waste code: D007
- . Waste name: CHROMIUM
- . Waste code: D008
- . Waste name: LEAD
- . Waste code: D009
- . Waste name: MERCURY
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
- . 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: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
- . Waste code: UOIL
- . Waste name: UOIL

Historical Generators:

Date form received by agency: 02/28/2014  
Site name: IOWA ARMY AMMUNITION PLANT  
Classification: Large Quantity Generator

- . Waste code: D001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IOWA ARMY AMMUNITION PLANT (Continued)

1000141617

- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D003
- . Waste name: REACTIVE WASTE
- . Waste code: D004
- . Waste name: ARSENIC
- . Waste code: D005
- . Waste name: BARIUM
- . Waste code: D006
- . Waste name: CADMIUM
- . Waste code: D007
- . Waste name: CHROMIUM
- . Waste code: D008
- . Waste name: LEAD
- . Waste code: D009
- . Waste name: MERCURY
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

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: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: P098
- . Waste name: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)
  
- . Waste code: P105
- . Waste name: SODIUM AZIDE
  
- . Waste code: U080
- . Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
  
- . Waste code: U188
- . Waste name: PHENOL

Date form received by agency: 07/26/2013

Site name: IOWA ARMY AMMUNITION PLANT

Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D005
- . Waste name: BARIUM
  
- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D008
- . Waste name: LEAD
  
- . Waste code: D009
- . Waste name: MERCURY
  
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

- . 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: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: UOIL
- . Waste name: UOIL
  
- Date form received by agency: 09/17/2012
- Site name: IOWA ARMY AMMUNITION PLANT
- Classification: Large Quantity Generator
  
- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D005
- . Waste name: BARIUM
  
- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D008

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

- . Waste name: LEAD
  - . Waste code: D030
  - . Waste name: 2,4-DINITROTOLUENE
  - . 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: K044
  - . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  - . Waste code: K045
  - . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
- Date form received by agency: 02/29/2012  
Site name: IOWA ARMY AMMUNITION PLANT  
Classification: Large Quantity Generator
- . Waste code: D001
  - . Waste name: IGNITABLE WASTE
  - . Waste code: D002
  - . Waste name: CORROSIVE WASTE
  - . Waste code: D003
  - . Waste name: REACTIVE WASTE
  - . Waste code: D005
  - . Waste name: BARIUM
  - . Waste code: D006
  - . Waste name: CADMIUM
  - . Waste code: D007
  - . Waste name: CHROMIUM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

- . Waste code: D008
  - . Waste name: LEAD
  
  - . Waste code: D030
  - . Waste name: 2,4-DINITROTOLUENE
  
  - . 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: K044
  - . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
  - . Waste code: K045
  - . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
- Date form received by agency: 08/26/2011  
Site name: IOWA ARMY AMMUNITION PLANT  
Classification: Large Quantity Generator
- . Waste code: D001
  - . Waste name: IGNITABLE WASTE
  
  - . Waste code: D002
  - . Waste name: CORROSIVE WASTE
  
  - . Waste code: D003
  - . Waste name: REACTIVE WASTE
  
  - . Waste code: D005
  - . Waste name: BARIUM
  
  - . Waste code: D006
  - . Waste name: CADMIUM
  
  - . Waste code: D007

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

- . Waste name: CHROMIUM
  - . Waste code: D008
  - . Waste name: LEAD
  - . Waste code: D009
  - . Waste name: MERCURY
  - . Waste code: D011
  - . Waste name: SILVER
  - . Waste code: D030
  - . Waste name: 2,4-DINITROTOLUENE
  - . 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: K044
  - . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  - . Waste code: K045
  - . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
- Date form received by agency: 10/04/2010  
Site name: IOWA ARMY AMMUNITION PLANT  
Classification: Large Quantity Generator
- . Waste code: D001
  - . Waste name: IGNITABLE WASTE
  - . Waste code: D002
  - . Waste name: CORROSIVE WASTE
  - . Waste code: D003
  - . Waste name: REACTIVE WASTE



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IOWA ARMY AMMUNITION PLANT (Continued)

1000141617

- . Waste code: D005
  - . Waste name: BARIUM
  
  - . Waste code: D006
  - . Waste name: CADMIUM
  
  - . Waste code: D007
  - . Waste name: CHROMIUM
  
  - . Waste code: D008
  - . Waste name: LEAD
  
  - . Waste code: D009
  - . Waste name: MERCURY
  
  - . Waste code: D011
  - . Waste name: SILVER
  
  - . Waste code: D030
  - . Waste name: 2,4-DINITROTOLUENE
  
  - . 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: K044
  - . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
  - . Waste code: K045
  - . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
- Date form received by agency: 02/26/2010  
Site name: IOWA ARMY AMMUNITION PLANT  
Classification: Large Quantity Generator
- . Waste code: D001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IOWA ARMY AMMUNITION PLANT (Continued)

1000141617

- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D003
- . Waste name: REACTIVE WASTE
- . Waste code: D005
- . Waste name: BARIUM
- . Waste code: D006
- . Waste name: CADMIUM
- . Waste code: D007
- . Waste name: CHROMIUM
- . Waste code: D008
- . Waste name: LEAD
- . Waste code: D009
- . Waste name: MERCURY
- . Waste code: D011
- . Waste name: SILVER
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
- . 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: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.

Date form received by agency: 08/17/2009

Site name: IOWA ARMY AMMUNITION PLANT

Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

- . Waste code: D003
- . Waste name: REACTIVE WASTE

- . Waste code: D004
- . Waste name: ARSENIC

- . Waste code: D005
- . Waste name: BARIUM

- . Waste code: D006
- . Waste name: CADMIUM

- . Waste code: D007
- . Waste name: CHROMIUM

- . Waste code: D008
- . Waste name: LEAD

- . Waste code: D009
- . Waste name: MERCURY

- . Waste code: D010
- . Waste name: SELENIUM

- . Waste code: D011
- . Waste name: SILVER

- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE

- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IOWA ARMY AMMUNITION PLANT (Continued)

1000141617

ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. 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: F004

. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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: K044

. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.

. Waste code: K045

. Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.

. Waste code: UOIL

. Waste name: UOIL

Date form received by agency: 08/05/2008

Site name: IOWA ARMY AMMUNITION PLANT

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D003

. Waste name: REACTIVE WASTE



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IOWA ARMY AMMUNITION PLANT (Continued)

1000141617

- . Waste code: D004
- . Waste name: ARSENIC
  
- . Waste code: D005
- . Waste name: BARIUM
  
- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D008
- . Waste name: LEAD
  
- . Waste code: D009
- . Waste name: MERCURY
  
- . Waste code: D010
- . Waste name: SELENIUM
  
- . Waste code: D011
- . Waste name: SILVER
  
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
  
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

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: F004  
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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: K044  
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.

. Waste code: K045  
. Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.

. Waste code: UOIL  
. Waste name: UOIL

Date form received by agency: 02/19/2008  
Site name: IOWA ARMY AMMUNITION PLANT  
Classification: Large Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D003  
. Waste name: REACTIVE WASTE

. Waste code: D004  
. Waste name: ARSENIC

. Waste code: D005  
. Waste name: BARIUM

. Waste code: D006  
. Waste name: CADMIUM

. Waste code: D007  
. Waste name: CHROMIUM

. Waste code: D008

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IOWA ARMY AMMUNITION PLANT (Continued)

1000141617

- . Waste name: LEAD
- . Waste code: D009
- . Waste name: MERCURY
- . Waste code: D010
- . Waste name: SELENIUM
- . Waste code: D011
- . Waste name: SILVER
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHTHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHTHOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHTHOROETHYLENE, 1,1,1-TRICHTHOROETHANE, CHLOROBENZENE, 1,1,2-TRICHTHORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHTHOROENZENE, TRICHTHOROFLUOROMETHANE, AND 1,1,2, TRICHTHOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . 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: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

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: K044  
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.

. Waste code: K045  
. Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.

Date form received by agency: 02/19/2008

Site name: IOWA ARMY AMMUNITION PLANT

Classification: Large Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D003  
. Waste name: REACTIVE WASTE

. Waste code: D004  
. Waste name: ARSENIC

. Waste code: D005  
. Waste name: BARIUM

. Waste code: D006  
. Waste name: CADMIUM

. Waste code: D007  
. Waste name: CHROMIUM

. Waste code: D008  
. Waste name: LEAD

. Waste code: D009  
. Waste name: MERCURY

. Waste code: D010  
. Waste name: SELENIUM

. Waste code: D011  
. Waste name: SILVER

. Waste code: D030  
. Waste name: 2,4-DINITROTOLUENE

. Waste code: D035  
. Waste name: METHYL ETHYL KETONE



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IOWA ARMY AMMUNITION PLANT (Continued)

1000141617

- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . 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: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Date form received by agency: 10/25/2007

Site name: IOWA ARMY AMMUNITION PLANT

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D003

. Waste name: REACTIVE WASTE

. Waste code: D004

. Waste name: ARSENIC

. Waste code: D005

. Waste name: BARIUM

. Waste code: D006

. Waste name: CADMIUM

. Waste code: D007

. Waste name: CHROMIUM

. Waste code: D008

. Waste name: LEAD

. Waste code: D009

. Waste name: MERCURY

. Waste code: D010

. Waste name: SELENIUM

. Waste code: D011

. Waste name: SILVER

. Waste code: D030

. Waste name: 2,4-DINITROTOLUENE

. Waste code: D035

. Waste name: METHYL ETHYL KETONE

. Waste code: F001

. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002

. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. 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: F004  
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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: K044  
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.

. Waste code: K045  
. Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.

Date form received by agency: 10/23/2007

Site name: IOWA ARMY AMMUNITION PLANT

Classification: Large Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D003  
. Waste name: REACTIVE WASTE

. Waste code: D004  
. Waste name: ARSENIC

. Waste code: D005  
. Waste name: BARIUM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IOWA ARMY AMMUNITION PLANT (Continued)

1000141617

- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D008
- . Waste name: LEAD
  
- . Waste code: D009
- . Waste name: MERCURY
  
- . Waste code: D010
- . Waste name: SELENIUM
  
- . Waste code: D011
- . Waste name: SILVER
  
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
  
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . 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.



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

- . Waste code: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.

Date form received by agency: 02/27/2006

Site name: IOWA ARMY AMMUNITION PLANT

Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D004
- . Waste name: ARSENIC
  
- . Waste code: D005
- . Waste name: BARIUM
  
- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D008
- . Waste name: LEAD
  
- . Waste code: D009
- . Waste name: MERCURY
  
- . Waste code: D010
- . Waste name: SELENIUM
  
- . Waste code: D011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IOWA ARMY AMMUNITION PLANT (Continued)

1000141617

- . Waste name: SILVER
  
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
  
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . 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: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IOWA ARMY AMMUNITION PLANT (Continued)

1000141617

THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: K044  
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.

. Waste code: K045  
. Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.

Date form received by agency: 02/27/2006

Site name: IOWA ARMY AMMUNITION PLANT

Classification: Large Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D003  
. Waste name: REACTIVE WASTE

. Waste code: D004  
. Waste name: ARSENIC

. Waste code: D005  
. Waste name: BARIUM

. Waste code: D006  
. Waste name: CADMIUM

. Waste code: D007  
. Waste name: CHROMIUM

. Waste code: D008  
. Waste name: LEAD

. Waste code: D009  
. Waste name: MERCURY

. Waste code: D010  
. Waste name: SELENIUM

. Waste code: D011  
. Waste name: SILVER

. Waste code: D030  
. Waste name: 2,4-DINITROTOLUENE

. Waste code: D035  
. Waste name: METHYL ETHYL KETONE

. Waste code: F001  
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IOWA ARMY AMMUNITION PLANT (Continued)

1000141617

SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F002
  - . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
  - . 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: F004
  - . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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: K044
  - . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
  - . Waste code: K045
  - . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
- Date form received by agency: 01/17/2006  
Site name: IOWA ARMY AMMUNITION PLANT  
Classification: Large Quantity Generator
- . Waste code: D001
  - . Waste name: IGNITABLE WASTE



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IOWA ARMY AMMUNITION PLANT (Continued)

1000141617

- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D004
- . Waste name: ARSENIC
  
- . Waste code: D005
- . Waste name: BARIUM
  
- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D008
- . Waste name: LEAD
  
- . Waste code: D009
- . Waste name: MERCURY
  
- . Waste code: D010
- . Waste name: SELENIUM
  
- . Waste code: D011
- . Waste name: SILVER
  
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
  
- . Waste code: D038
- . Waste name: PYRIDINE
  
- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE
  
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IOWA ARMY AMMUNITION PLANT (Continued)

1000141617

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: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.

Date form received by agency: 02/19/2004

Site name: IOWA ARMY AMMUNITION PLANT

Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D004
- . Waste name: ARSENIC
  
- . Waste code: D005
- . Waste name: BARIUM
  
- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D008
- . Waste name: LEAD
  
- . Waste code: D009
- . Waste name: MERCURY
  
- . Waste code: D010
- . Waste name: SELENIUM
  
- . Waste code: D011
- . Waste name: SILVER
  
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . 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: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Date form received by agency: 01/05/2004

Site name: IOWA ARMY AMMUNITION PLANT

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D003

. Waste name: REACTIVE WASTE

. Waste code: D004

. Waste name: ARSENIC

. Waste code: D005

. Waste name: BARIUM

. Waste code: D006

. Waste name: CADMIUM

. Waste code: D007

. Waste name: CHROMIUM

. Waste code: D008

. Waste name: LEAD

. Waste code: D009

. Waste name: MERCURY

. Waste code: D010

. Waste name: SELENIUM

. Waste code: D011

. Waste name: SILVER

. Waste code: D030

. Waste name: 2,4-DINITROTOLUENE

. Waste code: D038

. Waste name: PYRIDINE

. Waste code: D039

. Waste name: TETRACHLOROETHYLENE

. 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



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

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: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.

Date form received by agency: 02/28/2002

Site name: IOWA ARMY AMMUNITION PLANT

Classification: Large Quantity Generator

- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D004
- . Waste name: ARSENIC
  
- . Waste code: D005
- . Waste name: BARIUM
  
- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D008
- . Waste name: LEAD
  
- . Waste code: D009
- . Waste name: MERCURY
  
- . Waste code: D010
- . Waste name: SELENIUM
  
- . Waste code: D011
- . Waste name: SILVER
  
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
  
- . Waste code: F001
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IOWA ARMY AMMUNITION PLANT (Continued)

1000141617

ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . 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: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.

Date form received by agency: 02/20/2002

Site name: IOWA ARMY AMMUNITION PLANT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Classification: Large Quantity Generator

Date form received by agency: 09/26/2000

Site name: IOWA ARMY AMMUNITION PLANT

Classification: Large Quantity Generator

. Waste code: D001

. Waste name: IGNITABLE WASTE

. Waste code: D002

. Waste name: CORROSIVE WASTE

. Waste code: D003

. Waste name: REACTIVE WASTE

. Waste code: D004

. Waste name: ARSENIC

. Waste code: D005

. Waste name: BARIUM

. Waste code: D006

. Waste name: CADMIUM

. Waste code: D007

. Waste name: CHROMIUM

. Waste code: D008

. Waste name: LEAD

. Waste code: D009

. Waste name: MERCURY

. Waste code: D010

. Waste name: SELENIUM

. Waste code: D011

. Waste name: SILVER

. Waste code: D012

. Waste name: ENDRIN

(1,2,3,4,10,10-HEXACHLORO-1,7-EPOXY-1,4,4A,5,6,7,8,8A-OCTAHYDRO-1,4-EN  
O, ENDO-5,8-DIMETH-ANO-NAPHTHALENE)

. Waste code: D030

. Waste name: 2,4-DINITROTOLUENE

. Waste code: F001

. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING:  
TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE,  
1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED  
FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING  
CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF  
ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED  
IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE  
SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IOWA ARMY AMMUNITION PLANT (Continued)

1000141617

- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . 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: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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: F027
- . Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENOL SYNTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT.)
  
- . Waste code: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

LOADING OF LEAD-BASED INITIATING COMPOUNDS.

. Waste code: K047  
. Waste name: PINK/RED WATER FROM TNT OPERATIONS.

Date form received by agency: 03/01/2000  
Site name: IOWA ARMY AMMUNITION PLANT  
Classification: Large Quantity Generator

Date form received by agency: 02/28/2000  
Site name: IOWA ARMY AMMUNITION PLANT  
Classification: Large Quantity Generator

Date form received by agency: 06/02/1999  
Site name: IOWA ARMY AMMUNITION PLANT  
Classification: Large Quantity Generator

Date form received by agency: 02/19/1998  
Site name: IOWA ARMY AMMUNITION PLANT  
Classification: Large Quantity Generator

Date form received by agency: 02/22/1996  
Site name: IOWA ARMY AMMUNITION PLANT  
Classification: Large Quantity Generator

Date form received by agency: 02/21/1994  
Site name: IOWA ARMY AMMUNITION PLANT  
Classification: Large Quantity Generator

Date form received by agency: 02/25/1992  
Site name: IOWA ARMY AMMUNITION PLANT  
Classification: Large Quantity Generator

Date form received by agency: 02/22/1990  
Site name: IOWA ARMY AMMUNITION PLANT  
Classification: Large Quantity Generator

Date form received by agency: 11/05/1980  
Site name: IOWA ARMY AMMUNITION PLANT  
Classification: Not a generator, verified

. Waste code: D003  
. Waste name: REACTIVE WASTE

. Waste code: K044  
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.

. Waste code: K045  
. Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.

. Waste code: K046  
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.

Biennial Reports:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IOWA ARMY AMMUNITION PLANT (Continued)

1000141617

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code:	D001
Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs):	16154
Waste code:	D002
Waste name:	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs):	16
Waste code:	D003
Waste name:	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs):	57438.8
Waste code:	D005
Waste name:	BARIUM
Amount (Lbs):	8746
Waste code:	D006
Waste name:	CADMIUM
Amount (Lbs):	8591
Waste code:	D007
Waste name:	CHROMIUM
Amount (Lbs):	10409
Waste code:	D008
Waste name:	LEAD
Amount (Lbs):	10708
Waste code:	D030
Waste name:	2,4-DINITROTOLUENE
Amount (Lbs):	63991.8
Waste code:	D035
Waste name:	METHYL ETHYL KETONE
Amount (Lbs):	7563
Waste code:	F003
Waste name:	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

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 NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED 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.

Amount (Lbs): 1990

Waste code: F005

Waste name: THE FOLLOWING SPENT NON-HALOGENATED 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 NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Amount (Lbs): 1990

Waste code: K044

Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES

Amount (Lbs): 12100

Waste code: K045

Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES

Amount (Lbs): 38540

**Corrective Action Summary:**

Event date: 09/30/1987  
Event: RFA Completed

Event date: 09/30/1987  
Event: RFA Determination Of Need For An RFI, RFI is Necessary;

Event date: 11/08/1989  
Event: RFI Imposition

Event date: 12/10/1990  
Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA.

Event date: 01/28/1992  
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

Event date: 08/20/1992  
Event: Stabilization Measures Evaluation, This facility is not amenable to stabilization activity at the present time for reasons other than 1- it appears to be technically infeasible or inappropriate (NF) or 2- there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Event date: 05/29/2014  
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event date: Not reported  
Event: RFI Approved

Facility Has Received Notices of Violations:

Regulation violated: Not reported  
Area of violation: Universal Waste - Small Quantity Handlers  
Date violation determined: 08/12/2014  
Date achieved compliance: 08/25/2014  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 12/01/2014  
Enf. disposition status: Action Satisfied (Case Closed)  
Enf. disp. status date: 12/01/2014  
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: 08/11/2014  
Date achieved compliance: 08/25/2014  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 12/01/2014  
Enf. disposition status: Action Satisfied (Case Closed)  
Enf. disp. status date: 12/01/2014  
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 - Pre-transport  
Date violation determined: 08/11/2014  
Date achieved compliance: 08/25/2014  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 12/01/2014  
Enf. disposition status: Action Satisfied (Case Closed)  
Enf. disp. status date: 12/01/2014  
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 - Pre-transport



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Date violation determined: 07/17/2013  
Date achieved compliance: 07/29/2013  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 03/31/2014  
Enf. disposition status: Action Satisfied (Case Closed)  
Enf. disp. status date: 03/31/2014  
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: Used Oil - Generators  
Date violation determined: 09/13/2012  
Date achieved compliance: 09/13/2012  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 09/17/2012  
Enf. disposition status: Action Satisfied (Case Closed)  
Enf. disp. status date: 02/19/2013  
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 - Pre-transport  
Date violation determined: 07/15/2010  
Date achieved compliance: 07/21/2010  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 09/07/2010  
Enf. disposition status: Action Satisfied (Case Closed)  
Enf. disp. status date: 09/07/2010  
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 - Pre-transport  
Date violation determined: 07/09/2009  
Date achieved compliance: 07/22/2009  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 07/09/2009  
Enf. disposition status: Action Satisfied (Case Closed)  
Enf. disp. status date: 10/22/2009  
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: Permit Condition or Requirement  
Date violation determined: 07/09/2009

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Date achieved compliance: 10/20/2009  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 07/09/2009  
Enf. disposition status: Action Satisfied (Case Closed)  
Enf. disp. status date: 10/22/2009  
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: 07/09/2009  
Date achieved compliance: 07/22/2009  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 07/09/2009  
Enf. disposition status: Action Satisfied (Case Closed)  
Enf. disp. status date: 10/22/2009  
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 - Pre-transport  
Date violation determined: 08/05/2008  
Date achieved compliance: 08/14/2008  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 11/06/2008  
Enf. disposition status: Action Satisfied (Case Closed)  
Enf. disp. status date: 11/06/2008  
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: 08/05/2008  
Date achieved compliance: 08/14/2008  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 11/06/2008  
Enf. disposition status: Action Satisfied (Case Closed)  
Enf. disp. status date: 11/06/2008  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 264.15(d)  
Area of violation: Generators - Pre-transport  
Date violation determined: 12/17/2003  
Date achieved compliance: 12/18/2003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 12/17/2003  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 262.34(a)(1)(i) & (2)  
Area of violation: Generators - Pre-transport  
Date violation determined: 09/26/2000  
Date achieved compliance: 09/26/2000  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 10/15/2001  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - Permit Section IV E.1.  
Area of violation: TSD - Container Use and Management  
Date violation determined: 08/12/1997  
Date achieved compliance: 08/28/1997  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/14/1997  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - CFR 262.34(a)(2)  
Area of violation: Generators - Pre-transport  
Date violation determined: 08/12/1997  
Date achieved compliance: 08/20/1997  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/14/1997  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - CFR 262.23(b)  
Area of violation: Generators - Manifest  
Date violation determined: 08/12/1997  
Date achieved compliance: 08/28/1997  
Violation lead agency: EPA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/14/1997  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - CFR 268.7(b)(4)(iii)  
Area of violation: LDR - General  
Date violation determined: 08/12/1997  
Date achieved compliance: 08/28/1997  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/14/1997  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - CFR 278.7(b)(4)(ii)  
Area of violation: LDR - General  
Date violation determined: 08/12/1997  
Date achieved compliance: 08/28/1997  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/14/1997  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - CFR 265.174  
Area of violation: TSD - Container Use and Management  
Date violation determined: 08/12/1997  
Date achieved compliance: 08/28/1997  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/14/1997  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - CFR 262.11  
Area of violation: Generators - General  
Date violation determined: 08/12/1997  
Date achieved compliance: 09/21/1998  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Enforcement action date: 08/14/1997  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - CFR 279.22(d)  
Area of violation: Generators - General  
Date violation determined: 08/12/1997  
Date achieved compliance: 08/28/1997  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/14/1997  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FS - Permit Condition III.F.  
Area of violation: TSD - Container Use and Management  
Date violation determined: 08/07/1996  
Date achieved compliance: 08/22/1996  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/07/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FS - Permit Condition II.E.1  
Area of violation: TSD - General Facility Standards  
Date violation determined: 08/07/1996  
Date achieved compliance: 08/22/1996  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/07/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - CFR 262.11  
Area of violation: Generators - General  
Date violation determined: 08/07/1996  
Date achieved compliance: 10/08/1996  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/07/1996



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - CFR 265.118  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 08/07/1996  
Date achieved compliance: 08/22/1996  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/07/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FS - Permit Condition II.F.  
Area of violation: TSD - General Facility Standards  
Date violation determined: 08/07/1996  
Date achieved compliance: 08/22/1996  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/07/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FS - Permit Condition III.E.  
Area of violation: TSD - Container Use and Management  
Date violation determined: 08/07/1996  
Date achieved compliance: 08/22/1996  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/07/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FS - Permit Condition III.G.  
Area of violation: TSD - Container Use and Management  
Date violation determined: 08/07/1996  
Date achieved compliance: 08/22/1996  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/07/1996  
Enf. disposition status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FS - Permit Condition VII(A).C.7.b.  
Area of violation: TSD - Incinerator Standards  
Date violation determined: 08/07/1996  
Date achieved compliance: 08/22/1996  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/07/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - CFR 279.22(c)  
Area of violation: TSD - General  
Date violation determined: 08/07/1996  
Date achieved compliance: 08/22/1996  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/07/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - Permit Condition VII(A)D  
Area of violation: TSD - Incinerator Standards  
Date violation determined: 06/20/1995  
Date achieved compliance: 06/27/1995  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 06/20/1995  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - CFR 265.15(d)  
Area of violation: TSD - General Facility Standards  
Date violation determined: 06/20/1995  
Date achieved compliance: 06/27/1995  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 06/20/1995  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - CFR 268.7(a)  
Area of violation: LDR - General  
Date violation determined: 06/24/1994  
Date achieved compliance: 06/01/1999  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 06/24/1994  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - RELEASES OF ASH FROM EWI  
Area of violation: TSD - Incinerator Standards  
Date violation determined: 06/28/1993  
Date achieved compliance: 06/01/1999  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/10/1993  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - HW DETERMINATION  
Area of violation: Generators - General  
Date violation determined: 03/12/1992  
Date achieved compliance: 08/09/1993  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 12/31/1992  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
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: 03/12/1992  
Date achieved compliance: 03/18/1992  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 03/12/1992  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - HW DETERMINATION  
Area of violation: Generators - General  
Date violation determined: 03/12/1992  
Date achieved compliance: 08/09/1993  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 03/12/1992  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - HW DETERMINATION  
Area of violation: Generators - General  
Date violation determined: 03/12/1992  
Date achieved compliance: 08/09/1993  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 03/08/1994  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: 201640  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - ILLEGAL STORAGE  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 03/12/1992  
Date achieved compliance: 04/06/1993  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 03/12/1992  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - HW DETERMINATION  
Area of violation: Generators - General  
Date violation determined: 03/12/1992  
Date achieved compliance: 08/09/1993  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 03/08/1994  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Final penalty amount: 75704  
Paid penalty amount: 75704

Regulation violated: Not reported  
Area of violation: TSD IS-Ground-Water Monitoring  
Date violation determined: 01/30/1992  
Date achieved compliance: 09/30/1995  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 03/08/1994  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: 201640  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: TSD IS-Ground-Water Monitoring  
Date violation determined: 01/30/1992  
Date achieved compliance: 09/30/1995  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 03/08/1994  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: 75704  
Paid penalty amount: 75704

Regulation violated: Not reported  
Area of violation: TSD IS-Ground-Water Monitoring  
Date violation determined: 01/30/1992  
Date achieved compliance: 09/30/1995  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 12/31/1992  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - INSPECTIONS, HW DETE  
Area of violation: TSD - General Facility Standards  
Date violation determined: 10/24/1990  
Date achieved compliance: 10/31/1990  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 10/24/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Paid penalty amount: Not reported

Regulation violated: FR - CFR 265.112  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 10/24/1990  
Date achieved compliance: 04/06/1993  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 03/08/1994  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: 75704  
Paid penalty amount: 75704

Regulation violated: FR - CFR 265.112  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 10/24/1990  
Date achieved compliance: 04/06/1993  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 12/31/1992  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - CFR 265.112  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 10/24/1990  
Date achieved compliance: 04/06/1993  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 03/08/1994  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: 201640  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: Generators - General  
Date violation determined: 10/24/1990  
Date achieved compliance: 10/31/1990  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 10/24/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Regulation violated: FR - CFR 265.112  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 03/22/1990  
Date achieved compliance: 04/06/1993  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 03/08/1994  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: 201640  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - CFR 265.112  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 03/22/1990  
Date achieved compliance: 04/06/1993  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 03/08/1994  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: 75704  
Paid penalty amount: 75704

Regulation violated: FR - CFR 265.112  
Area of violation: TSD - Closure/Post-Closure  
Date violation determined: 03/22/1990  
Date achieved compliance: 04/06/1993  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 12/31/1992  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
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: 03/22/1990  
Date achieved compliance: 03/29/1990  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 03/22/1990  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Area of violation: TSD IS-Ground-Water Monitoring  
Date violation determined: 05/17/1989  
Date achieved compliance: 06/01/1989  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 05/23/1989  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
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 - General  
Date violation determined: 02/01/1989  
Date achieved compliance: 06/01/1999  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 05/10/1989  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
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 - General  
Date violation determined: 08/16/1988  
Date achieved compliance: 06/01/1999  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 01/17/1989  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
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: LDR - General  
Date violation determined: 08/16/1988  
Date achieved compliance: 02/16/1989  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 01/17/1989  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
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 - General

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Date violation determined: 08/16/1988  
Date achieved compliance: 02/16/1989  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 01/17/1989  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
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 - Closure/Post-Closure  
Date violation determined: 09/17/1987  
Date achieved compliance: 02/16/1989  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/18/1988  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
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 - Closure/Post-Closure  
Date violation determined: 04/22/1986  
Date achieved compliance: 09/30/1988  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 04/29/1988  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
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 - General  
Date violation determined: 04/22/1986  
Date achieved compliance: 09/30/1988  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 04/29/1988  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
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-Ground-Water Monitoring  
Date violation determined: 04/22/1986

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Date achieved compliance: 09/30/1988  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 04/29/1988  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
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 - General  
Date violation determined: 06/06/1985  
Date achieved compliance: 06/14/1985  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 06/06/1985  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 08/11/2014  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Universal Waste - Small Quantity Handlers  
Date achieved compliance: 08/25/2014  
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 08/11/2014  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD IS-Container Use and Management  
Date achieved compliance: 08/25/2014  
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 08/11/2014  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 08/25/2014  
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 07/16/2013  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 07/29/2013  
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 09/12/2012  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Used Oil - Generators  
Date achieved compliance: 09/13/2012  
Evaluation lead agency: EPA

Evaluation date: 07/27/2011



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 07/14/2010  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 07/21/2010  
Evaluation lead agency: EPA

Evaluation date: 07/07/2009  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Permit Condition or Requirement  
Date achieved compliance: 10/20/2009  
Evaluation lead agency: EPA

Evaluation date: 07/07/2009  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 07/22/2009  
Evaluation lead agency: EPA

Evaluation date: 07/07/2009  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 07/22/2009  
Evaluation lead agency: EPA

Evaluation date: 08/05/2008  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 08/14/2008  
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 08/05/2008  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Universal Waste - Small Quantity Handlers  
Date achieved compliance: 08/14/2008  
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 09/25/2007  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 01/17/2006  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 12/15/2003  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 12/18/2003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Evaluation lead agency: EPA

Evaluation date: 09/26/2000  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 09/26/2000  
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 06/01/1999  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 08/12/1997  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Manifest  
Date achieved compliance: 08/28/1997  
Evaluation lead agency: EPA

Evaluation date: 08/12/1997  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 09/21/1998  
Evaluation lead agency: EPA

Evaluation date: 08/12/1997  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 08/20/1997  
Evaluation lead agency: EPA

Evaluation date: 08/12/1997  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Container Use and Management  
Date achieved compliance: 08/28/1997  
Evaluation lead agency: EPA

Evaluation date: 08/12/1997  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: LDR - General  
Date achieved compliance: 08/28/1997  
Evaluation lead agency: EPA

Evaluation date: 08/12/1997  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 08/28/1997  
Evaluation lead agency: EPA

Evaluation date: 08/07/1996  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 10/08/1996  
Evaluation lead agency: EPA

Evaluation date: 08/07/1996

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Incinerator Standards  
Date achieved compliance: 08/22/1996  
Evaluation lead agency: EPA

Evaluation date: 08/07/1996  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General Facility Standards  
Date achieved compliance: 08/22/1996  
Evaluation lead agency: EPA

Evaluation date: 08/07/1996  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 08/22/1996  
Evaluation lead agency: EPA

Evaluation date: 08/07/1996  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Closure/Post-Closure  
Date achieved compliance: 08/22/1996  
Evaluation lead agency: EPA

Evaluation date: 08/07/1996  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Container Use and Management  
Date achieved compliance: 08/22/1996  
Evaluation lead agency: EPA

Evaluation date: 09/30/1995  
Evaluation: NOT A SIGNIFICANT NON-COMPLIER  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 06/14/1995  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Incinerator Standards  
Date achieved compliance: 06/27/1995  
Evaluation lead agency: EPA

Evaluation date: 06/14/1995  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General Facility Standards  
Date achieved compliance: 06/27/1995  
Evaluation lead agency: EPA

Evaluation date: 06/24/1994  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: LDR - General  
Date achieved compliance: 06/01/1999  
Evaluation lead agency: EPA

Evaluation date: 06/07/1994  
Evaluation: FOCUSED COMPLIANCE INSPECTION  
Area of violation: Not reported  
Date achieved compliance: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 03/07/1994  
Evaluation: OPERATION AND MAINTENANCE INSPECTION  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 08/09/1993  
Evaluation: NOT A SIGNIFICANT NON-COMPLIER  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 06/28/1993  
Evaluation: FOCUSED COMPLIANCE INSPECTION  
Area of violation: TSD - Incinerator Standards  
Date achieved compliance: 06/01/1999  
Evaluation lead agency: EPA

Evaluation date: 04/06/1993  
Evaluation: NOT A SIGNIFICANT NON-COMPLIER  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 03/12/1992  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 03/18/1992  
Evaluation lead agency: EPA

Evaluation date: 03/12/1992  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Closure/Post-Closure  
Date achieved compliance: 04/06/1993  
Evaluation lead agency: EPA

Evaluation date: 03/12/1992  
Evaluation: SIGNIFICANT NON-COMPLIER  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 03/12/1992  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 08/09/1993  
Evaluation lead agency: EPA

Evaluation date: 01/30/1992  
Evaluation: SIGNIFICANT NON-COMPLIER  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 01/30/1992

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: TSD IS-Ground-Water Monitoring  
Date achieved compliance: 09/30/1995  
Evaluation lead agency: EPA

Evaluation date: 10/24/1990  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General Facility Standards  
Date achieved compliance: 10/31/1990  
Evaluation lead agency: EPA

Evaluation date: 10/24/1990  
Evaluation: SIGNIFICANT NON-COMPLIER  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 10/24/1990  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Closure/Post-Closure  
Date achieved compliance: 04/06/1993  
Evaluation lead agency: EPA

Evaluation date: 10/24/1990  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 10/31/1990  
Evaluation lead agency: EPA

Evaluation date: 03/22/1990  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Closure/Post-Closure  
Date achieved compliance: 04/06/1993  
Evaluation lead agency: EPA

Evaluation date: 03/22/1990  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 03/29/1990  
Evaluation lead agency: EPA

Evaluation date: 05/17/1989  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: TSD IS-Ground-Water Monitoring  
Date achieved compliance: 06/01/1989  
Evaluation lead agency: EPA

Evaluation date: 02/01/1989  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 06/01/1999  
Evaluation lead agency: EPA

Evaluation date: 08/16/1988  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: LDR - General  
Date achieved compliance: 02/16/1989



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Evaluation lead agency: EPA

Evaluation date: 08/16/1988  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 06/01/1999  
Evaluation lead agency: EPA

Evaluation date: 08/16/1988  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 02/16/1989  
Evaluation lead agency: EPA

Evaluation date: 09/17/1987  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Closure/Post-Closure  
Date achieved compliance: 02/16/1989  
Evaluation lead agency: EPA

Evaluation date: 09/17/1986  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 09/04/1986  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 04/22/1986  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: TSD IS-Ground-Water Monitoring  
Date achieved compliance: 09/30/1988  
Evaluation lead agency: EPA

Evaluation date: 04/22/1986  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: TSD - General  
Date achieved compliance: 09/30/1988  
Evaluation lead agency: EPA

Evaluation date: 04/22/1986  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: TSD - Closure/Post-Closure  
Date achieved compliance: 09/30/1988  
Evaluation lead agency: EPA

Evaluation date: 06/06/1985  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 06/14/1985  
Evaluation lead agency: EPA

Evaluation date: 06/05/1985

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General  
Date achieved compliance: 06/14/1985  
Evaluation lead agency: EPA

Evaluation date: 09/18/1984  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 07/25/1984  
Evaluation: GROUNDWATER MONITORING EVALUATION  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 06/14/1984  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 05/30/1984  
Evaluation: GROUNDWATER MONITORING EVALUATION  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 05/24/1984  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 04/26/1984  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 02/22/1984  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 02/10/1984  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

**NPL:**

EPA ID: IA7213820445  
EPA Region: 07  
Federal: Y  
Final Date: 1990-08-30 00:00:00

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Category Details:

NPL Status: Currently on the Final NPL  
Category Description: Depth To Aquifer-<= 10 Feet  
Category Value: 8

NPL Status: Currently on the Final NPL  
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile  
Category Value: 10

Site Details:

Site Name: IOWA ARMY AMMUNITION PLANT  
Site Status: Final  
Site Zip: 52638  
Site City: MIDDLETOWN  
Site State: IA  
Federal Site: Yes  
Site County: DES MOINES  
EPA Region: 07  
Date Proposed: 07/14/89  
Date Deleted: Not reported  
Date Finalized: 08/30/90

Substance Details:

NPL Status: Currently on the Final NPL  
Substance ID: D008  
Substance: LEAD (PB)  
CAS #: 7439-92-1  
Pathway: GROUND WATER PATHWAY  
Scoring: 3

NPL Status: Currently on the Final NPL  
Substance ID: D008  
Substance: LEAD (PB)  
CAS #: 7439-92-1  
Pathway: SURFACE WATER PATHWAY  
Scoring: 3

NPL Status: Currently on the Final NPL  
Substance ID: Not reported  
Substance: Not reported  
CAS #: Not reported  
Pathway: Not reported  
Scoring: Not reported

NPL Status: Currently on the Final NPL  
Substance ID: C365  
Substance: TRINITROTOLUENE (TNT)  
CAS #: 118-96-7  
Pathway: GROUND WATER PATHWAY  
Scoring: 2

NPL Status: Currently on the Final NPL  
Substance ID: C399  
Substance: RDX (CYCLOTTRIMETHYLENETRINITRAMINE)  
CAS #: 121-82-4  
Pathway: GROUND WATER PATHWAY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Scoring: 2  
  
NPL Status: Currently on the Final NPL  
Substance ID: C546  
Substance: DINITROTOLUENE  
CAS #: 25321-14-6  
Pathway: GROUND WATER PATHWAY  
Scoring: 2

Summary Details:

Conditions at proposal July 14, 1989): The Iowa Army Ammunition Plant (IAAP) covers 19,127 acres in rural Des Moines County near Middletown, Iowa, approximately 10 miles west of Burlington. IAAP's primary mission since 1941 and intermittently to the present has been to load, assemble, and pack a variety of conventional ammunitions and fusing systems. The current operating contractor is Mason and Hanger-Silas Mason Co., Inc. Wastes produced at IAAP consist of various explosive-containing sludges, waste water, and solids; lead-containing sludges; ashes from incineration and open burning of explosives; and waste solvent from industrial and laboratory operations. The explosives include trinitrotoluene (TNT), dinitrotoluene (DNT), and cyclomethylenetrinitramine (RDX). Past operations generated waste pesticides, radioactive wastes that have been removed from the site, and incendiaries. IAAP is participating in the Installation Restoration Program (IRP), established in 1978. Under this program, the Department of Defense seeks to identify, investigate, and clean up contamination from hazardous materials. As part of IRP, the Army has identified a number of potentially contaminated areas, including a now-unused 4-acre settling lagoon at Line 800 known as the Line 800 Pink Water Lagoon, which received explosive-containing waste water intermittently during 1943-70. It now holds an estimated 37,000 cubic yards of hazardous sludges. A second area under investigation involves an earthen and concrete dam across Brush Creek, which was used during 1948-56. The dam was removed in 1957. Waste water from Line 1 flowed through a 3.6-acre sedimentation area where explosives settled out, and the liquids overflowed the dam into Brush Creek. IRP tests conducted in 1981 and 1983 detected TNT, DDT, and RDX in wells downgradient of the lagoon and dam. An estimated 100 people obtain drinking water from private wells within 3 miles of hazardous substances at the base. In 1984, IRP tests detected RDX and TNT in water from Brush Creek, and RDX, TNT, and lead in creek sediments. Surface water within 3 miles downstream of the site is used for recreational activities. Three incinerator-furnace units and a spray evaporation pond on IAAP are regulated under Subtitle C of the Resource Conservation and Recovery Act. Status August 30, 1990): EPA and the Army are negotiating an Interagency Agreement under CERCLA Section 120. The agreement requires the Army to submit schedules for addressing all contaminated areas in IAAP and allows for EPA and State comment throughout subsequent response activities.

Site Status Details:

NPL Status: Final  
Proposed Date: 07/14/1989  
Final Date: 08/30/1990  
Deleted Date: Not reported

Narratives Details:

NPL Name: IOWA ARMY AMMUNITION PLANT  
City: MIDDLETOWN  
State: IA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

CERCLIS:

Site ID: 0700413  
EPA ID: IA7213820445  
Facility County: DES MOINES  
Short Name: IOWA ARMY AMMUNITION PLAN  
Congressional District: 02  
IFMS ID: 07Y8  
SMSA Number: Not reported  
USGC Hydro Unit: 07080104  
Federal Facility: Federal Facility  
DMNSN Number: 19127.00000  
Site Orphan Flag: N  
RCRA ID: Y  
USGS Quadrangle: Not reported  
Site Init By Prog: Not reported  
NFRAP Flag: Not reported  
Parent ID: Not reported  
RST Code: Not reported  
EPA Region: 07  
Classification: Military Related  
Site Settings Code: RU  
NPL Status: Currently on the Final NPL  
DMNSN Unit Code: ACRE  
RBRAC Code: Not reported  
RResp Fed Agency Code: USAR  
Non NPL Status: Not reported  
Non NPL Status Date: / /  
Site Fips Code: 19057  
CC Concurrence Date: / /  
CC Concurrence FY: Not reported  
Alias EPA ID: Not reported  
Site FUDS Flag: Not reported

CERCLIS Site Contact Name(s):

Contact ID: 7000126.00000  
Contact Name: DEBBIE KRING  
Contact Tel: (913) 551-7725  
Contact Title: Community Involvement Coordinator  
Contact Email: Not reported

Contact ID: 13003534.00000  
Contact Name: SANDEEP MEHTA  
Contact Tel: (913) 551-7763  
Contact Title: Remedial Project Manager (RPM)  
Contact Email: Not reported

CERCLIS Site Alias Name(s):

Alias ID: 101  
Alias Name: IOWA ARMY AMMUNITION PLANT  
Alias Address: HWY 79 OFF MIDDLETOWN RD  
MIDDLETOWN, IA 52638  
Alias Comments: Not reported

Site Description: The Iowa Army Ammunition Plant (IAAAP) (CERCLIS ID # IA7213820445) is an active, government-owned, contractor-operated facility located near Middletown, IA in Des Moines County. The IAAAP is located approximately 10 miles west of Burlington, Iowa and the Mississippi River. The primary activity at the IAAAP



MAP FINDINGS

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

since 1941 has been to load, assemble, and pack (LAP) a variety of conventional ammunition and fishing systems for the Department of Defense (DoD). The IAAAP consists of approximately 19,000 acres of which approximately one-third of the IAAAP property is occupied by active or formerly active munitions production or storage facilities. The remaining property is generally either forested (7,766 acres) or leased for agricultural use (7,107 acres). The Iowa Army Ammunition Plant (IAAAP) is a load, assemble, and pack (LAP) munitions facility located in Middletown, a rural area of eastern Iowa. The IAAAP is approximately 19,000 acres. Approximately 8,000 acres are leased for agricultural use, about 7,500 acres are forested, and the remaining area is used for administrative and industrial operations. The IAAAP contains four watersheds: Brush Creek, Spring Creek, Long Creek, and the 85-acre George H. Mathes Lake. Use of this lake by the plant as a water source was discontinued in January 1977. The IAAAP produced munitions for World War II from the plant's inception in September 1941 until August 1945, and munitions for military activities in southeast Asia in the 1960s and early 1970s. Activities at the IAAAP continued at a reduced level during peacetime. The plant was operated from 1941-1946 by Day & Zimmerman Corporation. The former Atomic Energy Commission operated at Line 1 from 1948 through mid-1975, at which time operation reverted to U.S. Army (Army) control. The Army continues to own the IAAAP, which has been operated by the private contractor Mason & Hanger Corporation since 1951. The IAAAP currently is producing LAP munitions, including projectiles, mortar rounds, warheads, demolition charges, anti-tank mines, anti-personnel mines, and the components of these munitions, including primers, detonators, fuses, and boosters. The primary source of contamination at the site is attributable to past operating practices in which explosives-contaminated wastewaters and sludges were discharged to uncontrolled, on-site lagoons and impoundments. Additional sources of contamination include open burning of explosive materials and munitions, and landfilling of waste material. The Army, as an agency within the Department of Defense (DOD), is the lead agency for implementing the interim remedial action at the IAAAP. As the support agency, the Environmental Protection Agency (EPA) oversees cleanup activities conducted by the Army. The EPA and the Army signed a Federal Facilities Agreement (FFA) for site cleanup, which became effective in December 1990, following public comment. The State of Iowa has declined to participate as a signatory party to this FFA. The IAAAP has been divided into a Soils Operable Unit (OU) as OU1, a Groundwater OU as OU3, and an Installation-Wide OU as OU4 to facilitate management of contamination at the site. OU1 addresses contamination in the soils. OU3 addresses contamination of groundwater within the IAAAP boundaries and potentially off site. OU4 addresses other unacceptable risks not addressed in either OU1 or OU3. OU2 was originally established for the soils interim action, but was subsequently merged into OU1 for simplicity and completeness. Numerous investigations have been conducted at the site by the Army from 1975 to the present to investigate soil and groundwater contamination. Based on data collected at the site, the Army has initiated response actions at the IAAAP to address soil contamination at several areas across the IAAAP. These actions are documented in several Action Memoranda from 1995 through 1997. During removal actions completed at the former Line 1 impoundment and the Line 800 pinkwater lagoon, cumulative risk levels were determined for soils. Soils with the highest contaminant concentrations were excavated and stockpiled in a lined storage facility known as a Corrective Action Management Unit (CAMU) for subsequent treatment. Moderately contaminated soils were excavated and disposed in an on-site Soil Repository. Lightly contaminated soils were disposed under the synthetic cap of the Inert Landfill on-site. An Interim Action Record of Decision (ROD) signed in March 1998 calls for the temporary stockpiling, for future treatment, of the most highly contaminated

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

soils remaining at IAAAP. The Final ROD, signed in September 1998, presents the remedial action intended to provide for treatment and ultimate disposal of contaminated soils. The ROD presented an estimate of the volume of contaminated soils in OU-1 as 124,573 cubic yards. The ROD confirmed soils stockpiled in Trench 7 shall be managed based on the nature of contamination within the categories of explosive-contaminated soils, explosives plus metals-contaminated soils, and semi-volatile organic compound (SVOC)-contaminated soils. The treatment methods selected in the ROD included on-site low temperature thermal desorption for explosives-contaminated soils, solidification/stabilization with activated carbon for explosives-contaminated soils with metals, and off-site disposal for soils contaminated with SVOCs. In addition, the ROD included provisions for a contingent remedy for biotreatment of explosives-contaminated soils. The August 1998 Soils Operable Unit ROD selected the remedy for the treatment of contaminated soil that has been, or will be, temporarily placed in a CAMU located within the Inert Disposal Area site at IAAAP, as previously specified within a March 1998 Interim ROD for the Soils Operable Unit at IAAAP. The CAMU serves as a temporary holding cell, designed for the stockpiling of certain types of highly-contaminated soil removed from various OU-1 sites distributed around the IAAAP facility. The CAMU will be used to store this soil only until the soil can be treated in accordance with the selected remedy specified within the August 1998 Soils Operable Unit ROD. The August 1998 Soils Operable Unit ROD specifies the remedy for treatment of soils contaminated with three general classes of contaminants, as listed below: - Explosives (only) - Explosives plus metals - Semi-Volatile Organic Compounds (SVOCs) The ROD indicated that following confirmation sampling after treatment, disposal of treated soil shall be according to the following criteria for various types of soil: Explosive-Contaminated Soils 1. For soils with cumulative risk less than 10<sup>-6</sup>, in compliance with Land Disposal Restrictions (LDRs) and exceeding Summers' Model RGs, dispose in Trench 6 or under another synthetic landfill cap on-site. 2. For soils with cumulative risk less than 10<sup>-6</sup>, in compliance with LDRs, and satisfying Summers' Model RGs, dispose on IAAAP property in an appropriate manner protective of human health and the environment. For biotreated soils, treatment residuals must also be shown to be non-toxic or not bioavailable at levels posing a threat to human health or the environment. Explosives Plus Metals-Contaminated Soils/ Metals-Contaminated Soils Following sampling to conform with Toxicity Characteristic Leaching Procedure (TCLP)-based RGs, dispose of treated soil in Trench 6 or under another synthetic landfill cap on-site. SVOC-Contaminated Soils All SVOC-contaminated soils shall be transported to a commercial waste-treatment and disposal facility off-site. In April 2003, an Explanation of Significant Differences (ESD) for the OU-1 ROD presented a revised estimate of soil volumes to be treated and a contingent remedy for the biological treatment of explosives in contaminated soils. The ESD revised the volume estimate of contaminated soils at IAAAP to 168,122 cubic yards. An ESD for the OU-1 IROD deleted specific radiological RGs, which were below background values from the scope of OU-1. An ESD addressing OU-1 was completed in May 2008. An ESD addressing the IAAAP was completed in September, 2009. The Soils Operable Unit (OU1) addresses contaminated soil in the Line 1 and West Burn Pads Area (South of the Road). OU1 is being remediation in accordance with the March 1998 Interim ROD, the September 1998 Final ROD, and four ESDs issued in 2003, 2006, 2008, and 2009. An additional ESD is necessary to document three additional significant differences in the implementation of the OU1 remedy. The ESD is limited in scope to response actions taken under Formerly Utilized Sites Remedial Action Program (FUSRAP) at Line 1 and the West Burn Pads Area (South of the Road) pursuant to the IAAAP Soil RODs. The three site-specific changes to the selected remedy include: 1) derivation of a site-specific remedial goal

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

for barium at the West Burn Pads Area (South of the Road); 2) increased volume of contaminated soil excavated from the West Burn Pads Area (South of the Road) from that which was estimated in the Interim ROD to be at the West Burn Pads; and 3) change from on-site treatment and disposal to offsite treatment and disposal for contaminated soil excavated at Line 1 and West Burn Pad Area (South of the Road). An ESD addressing OU1 contaminated soil at the IAAAP site was issued in March 2011. In 1993, the presence of RDX in Off-Site Groundwater was confirmed after an initial round of sampling private drinking water wells was completed by the U.S. Army. IAAAP contracted to connect private residences in the contaminated area to the public water supply in 1994. This interim action was designed to eliminate exposure to contaminated drinking water until a remedial action could be completed. In 2001, IAAAP provided connections to the public water supply for several homeowners who declined in 1994. Previous Off-Site Groundwater investigations included four phases of field activities, a Remedial Investigation (RI), a Feasibility Study (FS), and several groundwater monitoring events. Data from these events were used to develop remedial alternatives. The land located in the Off-Site area has three primary land uses: agricultural, residential, and open area/recreation. General vegetation types and land usage in the Off-Site area are described below: -Cropland: dominates the Off-Site area landscape, planted with corn, soybeans, winter wheat, alfalfa, and grazed pasture. -Restored Grassland: an area along U.S. Highway 61 and an area north of the Skunk River adjacent to cropland, vegetation consistent with re-seeded grassland areas. -Wetland - Open Water: the Skunk River, several oxbow lakes, ponds, gravel pits, and creeks scattered throughout the Off-Site areas. -Wetland - Palustrine Emergent: an area north of the Skunk River, vegetation consistent with a non-forested wetland. -Industrial/Farmstead/Residential: industrial areas along U.S. Highway 61 along with the farmstead and residential areas throughout the Off-Site area, vegetation consistent with heavily disturbed areas. -Lowland Forest: north and south of the Skunk River, woodland vegetation consistent with riparian/lowland areas. -Upland Forest: north of the Skunk River floodplain, woodland vegetation consistent with upland areas. The unconsolidated sediments resting on Pennsylvanian bedrock or clay-rich glacial till comprise the principal aquifer of the study area. The principal aquifer occurs mainly in two of the three unique hydrogeologic profiles recognized in the Off-Site study area, the transition zone and the lowland areas. The RDX plume only occurs in the principal aquifer in the same areas with most of the area of the RDX plume being within the 100-year floodplain of the Skunk River. Six known private drinking water wells exist within the Off-Site Groundwater contaminant plume area. All but one resident have accepted connection to the regional public water supply system. No significant change in future land use is anticipated. A Record of Decision addressing OU3 was completed in August 2005. OU4: An IROD for the IDA has been prepared to address the closure of Trench 6, Trench 7, and the CEA. These units are part of the IDA which is included in OU-4. The IDA remains in use for the receipt and treatment of contaminated soils. The selected remedial alternative will be completed after the entire OU-1 soil cleanup is complete and will render the IDA closed and unavailable for any future remedial activity. Implementation of the selected remedy will be considered an Interim Action as part of the overall OU-4 remedy. This IROD addresses the IDA only and the remaining issues for the Installation Wide OU-4 (i.e., institutional controls, previously unaddressed areas of soil contamination, volatile organic compound (VOC) contaminated media, ecological risks, LTM requirements, and any other unacceptable risks identified and not addressed in either OU-1 or OU-3) will be considered separately. Remediation of groundwater associated with OU-4 sites will typically be addressed in accordance with the groundwater OU-3. The IDA is currently used for soil and waste management.

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

The current and anticipated future use of the IAAAP is non-residential and industrial. This land usage has been considered during the risk evaluation conducted for the IDA. An IROD addressing OU-4 was completed in September 2008. OU8: From 1947 to 1975, portions of the IAAAP facility were under the control of the U.S. Atomic Energy Commission (AEC) for weapon-assembly operations. The areas identified as being under AEC control included Line 1; the Firing Sites Area (FSA), consisting of five subareas; Warehouse 3-01 (interior); Yard G; Yard C; and Yard L areas surrounding Warehouses L-37-1, L-37-2, and L-37-3. The IAAAP was listed on the Superfund National Priorities List (NPL) in 1990. The U.S. Army Corps of Engineers (USACE), under the authority of Formerly Utilized Sites Remedial Action Program (FUSRAP), is the lead agency for executing the remedy selected in this ROD, in accordance with Section 611(a)(4) of Public Law 106-60 (September 29, 1999) and the 2006 Federal Facilities Agreement (FFA) (USEPA et al. 2006). USACE coordinated with USEPA Region 7 and the State of Iowa. The Line 1 production facility is located within the IAAAP boundaries in the northeast portion of the property. The Line 1 area is approximately 173 acres [700,106 square meters (m<sup>2</sup>)] in size and encompasses over 250 buildings and related facilities. The facility was constructed in 1941 and, from 1941 until August 1945, production at Line 1 included many types of ammunition, including fixed artillery rounds and bombs which contained a mixture of 2,4,6-trinitrotoluene (TNT) and ammonium nitrate explosives. AEC took over operations at Line 1 for weapons assembly from 1947 to 1975. During this period, a number of buildings were used in the production of baratols consisting of baratol (a mixture of barium nitrate and TNT), boracitol (boric acid and TNT), TNT, Composition B [TNT and cyclotrimethylenetrinitramine (RDX)], and cyclotol (RDX and TNT). AEC operations at Line 1 included machining of depleted uranium (DU) (USEPA et al. 2006). The buildings at Line 1 are currently used on an as needed basis in support of the U.S. Army mission. Specifically Buildings 1-11 and 1-63-6 are both inactive as of the writing of this document. The area referred to as the Firing Sites Area (FSA) is a fenced operational range located in the western portion of the IAAAP that encompasses 450 acres (1,821,085 m<sup>2</sup>) and is approximately 1 mile from the nearest IAAAP boundary. The FSA was developed by the AEC to support test firing of munitions for the IAAAP and was used by AEC between 1948 and 1974. Individual firing sites are located within the FSA and are grouped by proximity into five firing site areas: Firing Sites 1 and 2: Each firing site is comprised of one building, the surrounding land, and the entrance road to both areas located at the access point to the FSA. Firing Site 1 was constructed in 1952, used as an administrative facility, and contained an x-ray film-processing machine to develop film of test shots. Firing Site 2 was constructed in 1948 and was used as an inert storage facility. Firing Sites 1 and 2 are used on an as needed basis in support of the U.S. Army mission. Firing Sites 3, 4, and 5: Between 1948 and 1952, Firing Sites 3, 4, and 5 were constructed and used as general purpose storage magazines (TN and Associates, Inc. 2002). Firing Sites 3 and 4 were used for storage of munitions and radiological materials. Firing Site 5 was a general-purpose storage magazine, but components for hydro-shots also were assembled at Firing Site 5 during AEC operations between 1965 and 1973. Hydro-shots consisted of conventional munitions surrounded by a large ring of DU that was broken, partially dissipated, and scattered upon detonation. No actual ordnance testing was done at any of these facilities. Firing Sites 3, 4, and 5 are currently used as storage magazines (USACE 2001; TN and Associates, Inc. 2002). Firing Site 6 Area (Firing Sites 6, 7, 8, and 15): The Firing Site 6 Area includes Firing Sites 6, 7, 8, and 15. Firing Site 6 is believed to have been the primary testing area for the IAAAP until Firing Site 14 was built in 1972. Historic drawings indicate the presence of a concrete observation bunker and test fire pad at Firing Site 6. Firing Sites 7 and 8 were used as observation

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

bunkers based on engineering drawings. Prior to the construction of Firing Site 14, Firing Site 6 was used for detonation tests of "plane wave" shots. The explosives used in these shots were a mix of Composition B and barium nitrate. Some other tests conducted at Firing Site 6 involved explosive components that contained a thin sheet of DU. The quantity of these tests conducted at Firing Site 6 is unknown. There is little known information available on Firing Site 15 (USACE 2001). The Firing Site 6 Area is currently used for test firing of munitions for the IAAAP. Firing Site 12 Area (Firing Sites 9, 10, 11, and 12): The Firing Site 12 Area includes Firing Sites 9, 10, 11, and 12. At Firing Site 9, an abandoned concrete underground observation bunker is present, and historical drawings indicate the bunker was used in support of testing at a Firing Site 10 test fire pad. Firing Site 11 contained an underground high explosive supply magazine, and remnants of an underground bunker were also found. Firing Site 12 was used as an ordnance testing area for munitions and contains a concrete observation bunker and concrete firing pad. Between 1965 and 1973, a series of specialized tests called hydro-shots were conducted exclusively at Firing Site 12. A hydro-shot was a diagnostic operation that used DU as a surrogate for weapons-grade material and was a quality control technique for measuring the performance of plastic-bonded explosives produced at the IAAAP. Approximately 4,000 kilograms [8,820 pounds (lb)] of DU were associated with 701 hydro-shots used at the Firing Site 12 Area [Agency for Toxic Substances and Disease Registry (ATSDR) 2003]. Currently, the Firing Site 12 Area is fenced off and is not used by the U.S. Army because of the presence of DU fragments found at the area (USACE 2006). Firing Site 14: Firing Site 14 is located in the southern portion of the FSA, was built in 1972, and was used as a test firing range. Little information is available as to what was tested at Firing Site 14 or when testing occurred, although some information obtained indicates that tile shot testing was performed (USACE 2001). Tile shots conducted during AEC operations consisted of a relatively small amount of conventional explosives and boosters. Yard C is located in the eastern portion of the IAAAP and is approximately 301 acres (1,218,291 m<sup>2</sup>) in size. Yard C was constructed in 1941 and 1942 to serve as a storage yard and consists primarily of an open field with 43 storage igloos and several other support buildings. From 1947 until 1975, Yard C was under the control of AEC and was used for the storage of raw explosive materials and sealed radiological components that were placed into the warheads. These raw materials were transported to Building 1-50 at Line 1. Yard C is currently in use by the U.S. Army. Yard G is located in the southern portion of the IAAAP and is approximately 259 acres (1,048,103 m<sup>2</sup>) in size. Yard G is located in a heavily forested valley of Long Creek. AEC used this secured, fenced facility from 1948 until 1954 as a storage area for the finished castings of classified shapes with seven igloos having been used for this purpose (Mason and Hanger-Silas Mason Co., Inc. 1959). Yard G was returned to U.S. Army control in 1975. Yard G is currently in use by the U.S. Army. Yard L is located approximately 1,000 feet (ft) south of the northern boundary of the IAAAP. Yard L consists of long buildings that run in an east-to-west orientation with railroad tracks that service the buildings. Three warehouses in the southeastern portion of Yard L (L-37-1, L-37-2, and L-37-3) were used by AEC to provide storage space for classified component parts for inert storage starting in 1960. The area of Yard L that is identified as being used by AEC is approximately 12 acres (48,268 m<sup>2</sup>) in size. Yard L is currently in use by the U.S. Army. Warehouse 3-01 is located in the central portion of the IAAAP in the north-central area of Line 3. Warehouse 3-01 consists of a large brick building and surrounding land of approximately 0.64 acres (2,608 m<sup>2</sup>). Information obtained from the project history of Line 1 indicates that Warehouse 3-01 was used as part of AEC operations (Ahlstrand 1956). Warehouse 3-01 is currently in use by the U.S. Army. The IAAAP is under the command of the U.S. Army Joint Munitions



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Command, Rock Island, Illinois. Since 1941, the IAAAP's mission to load, assemble, and pack (LAP) ammunition items required the use of explosive materials and lead-based initiating compounds at the facility. From 1947 to 1975, portions of the IAAAP facility were under the control of the AEC for weapon-assembly operations. Throughout the remaining years, the IAAAP tested, assembled, and disassembled a wide variety of weapons. On July 14, 1989, the IAAAP was proposed for inclusion on the USEPA's NPL pursuant to Section 105 of CERCLA, as amended by SARA, due to surface water contaminated with explosives leaving the IAAAP boundary. The IAAAP was added to the NPL in August 1990 and, in September 1990, the U.S. Army and USEPA Region 7 entered into an FFA to define the roles and responsibilities for the U.S. Army's cleanup work at the IAAAP and the process for inter-agency coordination. The IAAAP was placed under the DoD Installation Restoration Program (IRP), which manages CERCLA activities to identify, investigate, and mitigate past hazardous waste disposal practices that may have contributed to the release of pollutants into the environment at U.S. Army installations/facilities. Past munitions production at the IAAAP has resulted in contamination of soil and groundwater as well as discharges of waste water containing explosives to surface water. In March 2000, after performing historical research regarding AEC activities at the IAAAP, the U.S. Department of Energy (DOE) provided USACE with a determination that portions of the IAAAP may contain contamination resulting from activities that supported the nation's early atomic energy program. In July 2002, several areas of the IAAAP previously used by AEC were designated by Congress as being eligible to be addressed by the FUSRAP and therefore, were subsequently removed from the DoD IRP. The FUSRAP was created in 1974 to identify and remediate sites where residual radioactivity remains from activities conducted during the nation's early atomic energy program under AEC, a predecessor to the DOE. Congress transferred the responsibility for administration and execution of cleanup at eligible FUSRAP areas from DOE to the USACE in 1997. In 2004, USACE conducted a radiological site screening survey to determine the presence of any radiological material at some of the FUSRAP areas at the IAAAP including the Explosive Disposal Area, Inert Disposal Area, Demolition Area/Deactivation Furnace, and the Line 1 Former Waste Water Impoundment Area. The site screening survey, as reported in the Final Summary of the Radiological Survey Findings for the Iowa Army Ammunition Plant Explosive Disposal Area, Inert Disposal Area, Demolition Area/Deactivation Furnace, and Line 1 Former Waste Water Impoundment Area (USACE 2005), concluded that these sites are radiologically non-impacted and, therefore, require no further FUSRAP action (USEPA et al. 2006). As investigations continued at the FUSRAP areas, an additional FFA for the IAAAP was finalized on August 16, 2006, among the USACE, St. Louis District; the USEPA Region 7; the DOE; and the Iowa Department of Natural Resources (IDNR) to address FUSRAP investigatory and cleanup work at the IAAAP. The scope of this project, as defined in the 2006 FFA (USEPA et al. 2006), "covers response actions at 7 areas associated with AEC activity." These seven areas were defined as Line 1; the FSA (consisting of five subareas); the West Bum Pads Area (South of the Road); Yard G; Yard C; Yard L (surrounding Warehouses L-37-1, L-37-2, and L-37-3); and Warehouse 3-01 (interior). Non-FUSRAP actions are being conducted by the U.S. Army at other IAAAP areas and operable units. Discussions of these activities are outside the FUSRAP scope and are not presented in this document. According to the 2006 FFA (USEPA et al. 2006), other areas beyond those identified may be added to the list of FUSRAP areas if it is determined that they contain contamination resulting from AEC activities. Three additional areas, consisting of portions of Yard E, Yard F, and the Area West of Line 5B, were investigated during the FUSRAP Remedial Investigation (RI) and found to be radiologically non-impacted. As a result, these areas require no further FUSRAP action and the responsibility remains with the DoD IRP. The FUSRAP RI was conducted by

Map ID  
Direction  
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MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

USACE, St. Louis beginning in 2006 to refine the nature and extent of contaminants in soil and structures at the FUSRAP areas identified in previous RI documents prepared by JAYCOR and TN and Associates. The results of the FUSRAP RI were used to prepare a baseline risk assessment (BRA) for AEC-related contaminants and media which has been detailed in the Iowa Army Ammunition Plant FUSRAP Remedial Investigation Report for Firing Sites Area, Yards C, E, F, G, and L, Warehouse 3-01 and Area West of Line 5B (USACE 2008). The results of the FUSRAP RI conducted by the USACE concluded that the soil at Line 1 and the West Burn Pads Area (South of the Road) was not DU-contaminated and, therefore, is addressed under two existing IAAAP RODs: the Interim Action Record of Decision, Soils Operable Unit, Iowa Army Ammunition Plant, Middletown, Iowa [U.S. Army Environmental Center (USAEC) 1998] and the Record of Decision, Soils Operable Unit #1, Iowa Army Ammunition Plant, Middletown, Iowa (USACE 1998). Therefore, the soil at Line 1 and the West Burn Pads Area (South of the Road) is not included in the scope of this ROD. Structures remaining at Line 1 and used by AEC were evaluated for radioactive surface contamination and are addressed in the FUSRAP (OU-8) ROD. Based on the results of the RI and BRA, the USACE has concluded that surface and subsurface soil and structures at some of the FUSRAP areas at the IAAAP are at levels that pose an unacceptable risk and dose to human health and the environment under industrial land use scenarios. Unacceptable risks and doses were estimated for soil contaminants at the FSA and for structures in Line 1. However, the contaminants found at the FUSRAP areas are defined as low level radiological and chemical threats. Other hazardous substances, pollutants, or contaminants that may be present on any other part of the IAAAP are not eligible for remediation under FUSRAP and are not addressed by this ROD. A Record of Decision for Operable Unit 08 of the Iowa Army Ammunition Plant was completed in September 2011.

CERCLIS Assessment History:

Action Code: 001  
Action: PRELIMINARY ASSESSMENT  
Date Started: 10/01/79  
Date Completed: 10/01/79  
Priority Level: Low priority for further assessment  
Operable Unit: SITE EVALUATION/DISPOSITION  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: DISCOVERY  
Date Started: / /  
Date Completed: 10/01/79  
Priority Level: Not reported  
Operable Unit: SITE EVALUATION/DISPOSITION  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Action Code: 001  
Action: SITE INSPECTION  
Date Started: / /  
Date Completed: 03/01/81  
Priority Level: Higher priority for further assessment  
Operable Unit: SITE EVALUATION/DISPOSITION  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: HAZARD RANKING SYSTEM PACKAGE  
Date Started: / /  
Date Completed: 04/10/84  
Priority Level: Not reported  
Operable Unit: SITE EVALUATION/DISPOSITION  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: HAZARD RANKING SYSTEM PACKAGE  
Date Started: / /  
Date Completed: 04/26/88  
Priority Level: Not reported  
Operable Unit: SITE EVALUATION/DISPOSITION  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: PROPOSAL TO NATIONAL PRIORITIES LIST  
Date Started: / /  
Date Completed: 07/14/89  
Priority Level: Not reported  
Operable Unit: SITE EVALUATION/DISPOSITION  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: Special Notice Issued  
Date Started: / /

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Date Completed: 05/30/90  
Priority Level: Not reported  
Operable Unit: SITE EVALUATION/DISPOSITION  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: FINAL LISTING ON NATIONAL PRIORITIES LIST  
Date Started: / /  
Date Completed: 08/30/90  
Priority Level: Not reported  
Operable Unit: SITE EVALUATION/DISPOSITION  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: INTERAGENCY AGREEMENT NEGOTIATIONS  
Date Started: 04/09/90  
Date Completed: 09/20/90  
Priority Level: Not reported  
Operable Unit: SITE EVALUATION/DISPOSITION  
Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: INFORMATION REPOSITORY ESTABLISHED  
Date Started: / /  
Date Completed: 08/18/91  
Priority Level: Not reported  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: FEDERAL INTERAGENCY AGREEMENT  
Date Started: 08/23/90  
Date Completed: 09/30/91  
Priority Level: Not reported  
Operable Unit: SITE EVALUATION/DISPOSITION

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Primary Responsibility: Federal Enforcement  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: ENGINEERING EVALUATION/COST ANALYSIS  
Date Started: / /  
Date Completed: 10/26/92  
Priority Level: Not reported  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: FEDERAL FACILITY REMOVAL  
Date Started: 03/04/93  
Date Completed: 03/11/93  
Priority Level: Cleaned up  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: FEDERAL FACILITY REMOVAL  
Date Started: 12/10/92  
Date Completed: 11/08/93  
Priority Level: Cleaned up  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Non-Time Critical  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: FEDERAL FACILITY REMOVAL  
Date Started: 08/10/93  
Date Completed: 03/07/94  
Priority Level: Cleaned up  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: ENGINEERING EVALUATION/COST ANALYSIS  
Date Started: / /  
Date Completed: 10/18/94  
Priority Level: Not reported  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: ENGINEERING EVALUATION/COST ANALYSIS  
Date Started: / /  
Date Completed: 10/18/94  
Priority Level: Not reported  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: STATE SUPPORT AGENCY COOPERATIVE AGREEMENT  
Date Started: 01/26/90  
Date Completed: 01/03/95  
Priority Level: Not reported  
Operable Unit: SITE EVALUATION/DISPOSITION  
Primary Responsibility: Responsible Party  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004  
Action: INFORMATION REPOSITORY ESTABLISHED  
Date Started: / /  
Date Completed: 03/20/95  
Priority Level: Not reported  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Action Code: 003  
Action: INFORMATION REPOSITORY ESTABLISHED  
Date Started: / /  
Date Completed: 03/30/95  
Priority Level: Not reported  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: INFORMATION REPOSITORY ESTABLISHED  
Date Started: / /  
Date Completed: 03/30/95  
Priority Level: Not reported  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005  
Action: FEDERAL FACILITY REMOVAL  
Date Started: 03/27/95  
Date Completed: 06/30/95  
Priority Level: Partially Cleaned up  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Non-Time Critical  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004  
Action: FEDERAL FACILITY REMOVAL  
Date Started: 03/20/95  
Date Completed: 07/24/96  
Priority Level: Cleaned up  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Non-Time Critical  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 007  
Action: FEDERAL FACILITY REMOVAL  
Date Started: 03/13/96

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Date Completed: 12/31/96  
Priority Level: Cleaned up  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Non-Time Critical  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: FEDERAL FACILITY FEASIBILITY STUDY  
Date Started: 02/01/96  
Date Completed: 05/22/97  
Priority Level: Not reported  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006  
Action: FEDERAL FACILITY REMOVAL  
Date Started: 03/13/96  
Date Completed: 12/31/97  
Priority Level: Cleaned up  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Non-Time Critical  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005  
Action: RECORD OF DECISION  
Date Started: / /  
Date Completed: 03/04/98  
Priority Level: Not reported  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: RECORD OF DECISION  
Date Started: / /  
Date Completed: 09/29/98  
Priority Level: Not reported  
Operable Unit: SOILS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 09/20/90  
Date Completed: 03/31/99  
Priority Level: Not reported  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 008  
Action: FEDERAL FACILITY REMOVAL  
Date Started: 03/31/99  
Date Completed: 08/01/99  
Priority Level: Partially Cleaned up  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Non-Time Critical  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: HEALTH ASSESSMENT  
Date Started: 02/15/91  
Date Completed: 12/28/99  
Priority Level: Not reported  
Operable Unit: SITE EVALUATION/DISPOSITION  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 009  
Action: FEDERAL FACILITY REMOVAL  
Date Started: 07/30/01  
Date Completed: 10/15/01  
Priority Level: Cleaned up  
Operable Unit: OFF-SITE GROUNDWATER  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Time Critical  
Action Anomaly: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004  
Action: Explanation Of Significant Differences  
Date Started: / /  
Date Completed: 04/16/03  
Priority Level: Not reported  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION  
Date Started: 02/10/99  
Date Completed: 05/09/03  
Priority Level: Not reported  
Operable Unit: OFF-SITE GROUNDWATER  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004  
Action: FEDERAL FACILITY FEASIBILITY STUDY  
Date Started: 07/01/99  
Date Completed: 08/08/05  
Priority Level: Not reported  
Operable Unit: OFF-SITE GROUNDWATER  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006  
Action: RECORD OF DECISION  
Date Started: / /  
Date Completed: 08/08/05  
Priority Level: Not reported  
Operable Unit: OFF-SITE GROUNDWATER  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Action: FEDERAL FACILITY FIVE YEAR REVIEW  
Date Started: 04/01/04  
Date Completed: 03/23/06  
Priority Level: Not reported  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005  
Action: FEDERAL FACILITY REMEDIAL DESIGN  
Date Started: 09/30/98  
Date Completed: 07/07/06  
Priority Level: Not reported  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: FEDERAL FACILITY REMEDIAL DESIGN  
Date Started: 06/13/06  
Date Completed: 03/26/07  
Priority Level: Not reported  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006  
Action: FEDERAL FACILITY REMEDIAL DESIGN  
Date Started: 03/20/06  
Date Completed: 09/18/07  
Priority Level: Not reported  
Operable Unit: OFF-SITE GROUNDWATER  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005  
Action: FEDERAL FACILITY REMEDIAL ACTION  
Date Started: 07/01/99  
Date Completed: 09/28/07

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Priority Level: Interim RA Report  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: FEDERAL FACILITY REMEDIAL ACTION  
Date Started: 09/07/04  
Date Completed: 11/29/07  
Priority Level: Not reported  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: Explanation Of Significant Differences  
Date Started: / /  
Date Completed: 05/15/08  
Priority Level: Not reported  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004  
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION  
Date Started: 05/16/06  
Date Completed: 07/25/08  
Priority Level: Not reported  
Operable Unit: FUSRAP  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003  
Action: FEDERAL FACILITY FEASIBILITY STUDY  
Date Started: 11/12/04  
Date Completed: 09/30/08  
Priority Level: Not reported  
Operable Unit: IDA CLOSURE  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION  
Date Started: 11/12/04  
Date Completed: 09/30/08  
Priority Level: Not reported  
Operable Unit: IDA CLOSURE  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004  
Action: RECORD OF DECISION  
Date Started: / /  
Date Completed: 09/30/08  
Priority Level: Not reported  
Operable Unit: IDA CLOSURE  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004  
Action: FEDERAL FACILITY REMEDIAL DESIGN  
Date Started: 09/30/08  
Date Completed: 01/30/09  
Priority Level: Not reported  
Operable Unit: IDA CLOSURE  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: Explanation Of Significant Differences  
Date Started: / /  
Date Completed: 09/11/09  
Priority Level: Not reported  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Action Code: 003  
Action: Explanation Of Significant Differences  
Date Started: / /  
Date Completed: 03/09/11  
Priority Level: Not reported  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: FEDERAL FACILITY FIVE YEAR REVIEW  
Date Started: / /  
Date Completed: 04/05/11  
Priority Level: Not reported  
Operable Unit: SITE EVALUATION/DISPOSITION  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006  
Action: FEDERAL FACILITY FEASIBILITY STUDY  
Date Started: 09/24/09  
Date Completed: 09/02/11  
Priority Level: Not reported  
Operable Unit: FUSRAP  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 009  
Action: RECORD OF DECISION  
Date Started: / /  
Date Completed: 09/02/11  
Priority Level: Not reported  
Operable Unit: FUSRAP  
Primary Responsibility: Federal Facilities  
Planning Status: Alternate  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 007  
Action: FEDERAL FACILITY REMEDIAL DESIGN  
Date Started: 04/20/12

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Date Completed: 02/28/13  
Priority Level: Not reported  
Operable Unit: FUSRAP  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006  
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 07/22/97  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: ON-SITE GROUNDWATER  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: Restoration Advisory Board  
Date Started: 08/20/97  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: SOILS  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 007  
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 10/29/04  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: INSTALLATION WIDE  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005  
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION  
Date Started: 04/18/08  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: MMRP  
Primary Responsibility: Federal Facilities



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006  
Action: FEDERAL FACILITY REMEDIAL ACTION  
Date Started: 07/27/08  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: OFF-SITE GROUNDWATER  
Primary Responsibility: Federal Facilities  
Planning Status: Primary  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004  
Action: FEDERAL FACILITY REMEDIAL ACTION  
Date Started: 05/13/09  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: IDA CLOSURE  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 007  
Action: FEDERAL FACILITY FEASIBILITY STUDY  
Date Started: 11/18/11  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: MMRP  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: TREATABILITY STUDY  
Date Started: 05/13/13  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: FUSRAP  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

For detailed financial records, contact EDR for a Site Report.:

Federal Register Details:

Fed Register Date: 08/30/90  
Fed Register Volume: 55  
Page Number: 35502

Fed Register Date: 07/14/89  
Fed Register Volume: 54  
Page Number: 29820

[Click this hyperlink](#) while viewing on your computer to access  
561 additional US CERCLIS Financial: record(s) in the EDR Site Report.

CORRACTS:

EPA ID: IA7213820445  
EPA Region: 07  
Area Name: ENTIRE FACILITY  
Actual Date: 19891108  
Action: CA100 - RFI Imposition  
NAICS Code(s): 332993 92811  
Ammunition (except Small Arms) Manufacturing  
National Security  
Original schedule date: 19901219  
Schedule end date: Not reported

EPA ID: IA7213820445  
EPA Region: 07  
Area Name: ENTIRE FACILITY  
Actual Date: 19901210  
Action: CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority,  
Corrective Action at the facility or area referred to CERCLA  
NAICS Code(s): 332993 92811  
Ammunition (except Small Arms) Manufacturing  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: IA7213820445  
EPA Region: 07  
Area Name: ENTIRE FACILITY  
Actual Date: 19920820  
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not  
amenable to stabilization activity at the, present time for reasons  
other than (1) it appears to be technically, infeasible or  
inappropriate (NF) or (2) there is a lack of technical, information  
(IN). Reasons for this conclusion may be the status of, closure at the  
facility, the degree of risk, timing considerations, the status of  
corrective action work at the facility, or other, administrative  
considerations  
NAICS Code(s): 332993 92811  
Ammunition (except Small Arms) Manufacturing  
National Security

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: IA7213820445  
EPA Region: 07  
Area Name: ENTIRE FACILITY  
Actual Date: 19920128  
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority

NAICS Code(s): 332993 92811  
Ammunition (except Small Arms) Manufacturing  
National Security

Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: IA7213820445  
EPA Region: 07  
Area Name: ENTIRE FACILITY  
Actual Date: 20140529  
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified

NAICS Code(s): 332993 92811  
Ammunition (except Small Arms) Manufacturing  
National Security

Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: IA7213820445  
EPA Region: 07  
Area Name: ENTIRE FACILITY  
Actual Date: 19870930  
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary

NAICS Code(s): 332993 92811  
Ammunition (except Small Arms) Manufacturing  
National Security

Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: IA7213820445  
EPA Region: 07  
Area Name: ENTIRE FACILITY  
Actual Date: 19870930  
Action: CA050 - RFA Completed

NAICS Code(s): 332993 92811  
Ammunition (except Small Arms) Manufacturing  
National Security

Original schedule date: 19870930  
Schedule end date: Not reported

EPA ID: IA7213820445  
EPA Region: 07  
Area Name: ENTIRE FACILITY  
Actual Date: Not reported  
Action: CA200 - RFI Approved

NAICS Code(s): 332993 92811  
Ammunition (except Small Arms) Manufacturing  
National Security

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Original schedule date: 20140117  
Schedule end date: Not reported

**US ENG CONTROLS:**

EPA ID: IA7213820445  
Site ID: 0700413  
Name: IOWA ARMY AMMUNITION PLANT  
Address: HWY 79 OFF MIDDLETOWN RD  
MIDDLETOWN, IA 52638

EPA Region: 07  
County: DES MOINES  
Event Code: Not reported  
Actual Date: 09/30/2011

Action ID: 002  
Action Name: Explanation Of Significant Differences  
Action Completion date: 09/11/2009  
Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Chemical Reduction/Oxidation

Action ID: 002  
Action Name: Explanation Of Significant Differences  
Action Completion date: 09/11/2009  
Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Disposal

Action ID: 003  
Action Name: Explanation Of Significant Differences  
Action Completion date: 03/09/2011  
Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Disposal

Action ID: 003  
Action Name: Explanation Of Significant Differences  
Action Completion date: 03/09/2011  
Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Non-fundamental change (ESD)

Action ID: 003  
Action Name: Explanation Of Significant Differences  
Action Completion date: 03/09/2011  
Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Physical/Chemical Treatment, (Ex-Situ)

Action ID: 004  
Action Name: Explanation Of Significant Differences  
Action Completion date: 04/16/2003  
Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Biopile

Action ID: 004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Action Name: Explanation Of Significant Differences  
Action Completion date: 04/16/2003  
Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Disposal

Action ID: 004  
Action Name: Explanation Of Significant Differences  
Action Completion date: 04/16/2003  
Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Solidification/Stabilization (Ex-Situ)

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1998  
Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Disposal

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1998  
Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Excavation

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1998  
Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Low Temperature Thermal Desorption

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1998  
Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Solidification/Stabilization (In-Situ)

Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/1998  
Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Treatment, (N.O.S.)

Action ID: 004  
Action Name: RECORD OF DECISION  
Action Completion date: 09/30/2008  
Operable Unit: 04  
Contaminated Media : Debris  
Engineering Control: Disposal

Action ID: 004  
Action Name: RECORD OF DECISION



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Action Completion date: 09/30/2008  
Operable Unit: 04  
Contaminated Media : Groundwater  
Engineering Control: Monitoring

Action ID: 004  
Action Name: RECORD OF DECISION  
Action Completion date: 09/30/2008  
Operable Unit: 04  
Contaminated Media : Sediment  
Engineering Control: Disposal

Action ID: 004  
Action Name: RECORD OF DECISION  
Action Completion date: 09/30/2008  
Operable Unit: 04  
Contaminated Media : Sediment  
Engineering Control: Excavation

Action ID: 004  
Action Name: RECORD OF DECISION  
Action Completion date: 09/30/2008  
Operable Unit: 04  
Contaminated Media : Soil  
Engineering Control: Disposal

Action ID: 004  
Action Name: RECORD OF DECISION  
Action Completion date: 09/30/2008  
Operable Unit: 04  
Contaminated Media : Soil  
Engineering Control: Excavation

Action ID: 004  
Action Name: RECORD OF DECISION  
Action Completion date: 09/30/2008  
Operable Unit: 04  
Contaminated Media : Solid Waste  
Engineering Control: Bottom Liner: Geosynthetic

Action ID: 004  
Action Name: RECORD OF DECISION  
Action Completion date: 09/30/2008  
Operable Unit: 04  
Contaminated Media : Solid Waste  
Engineering Control: Cap

Action ID: 004  
Action Name: RECORD OF DECISION  
Action Completion date: 09/30/2008  
Operable Unit: 04  
Contaminated Media : Solid Waste  
Engineering Control: Monitoring

Action ID: 005  
Action Name: RECORD OF DECISION  
Action Completion date: 03/04/1998

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Disposal

Action ID: 005  
Action Name: RECORD OF DECISION  
Action Completion date: 03/04/1998  
Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Excavation

Action ID: 005  
Action Name: RECORD OF DECISION  
Action Completion date: 03/04/1998  
Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Solidification/Stabilization (In-Situ)

Action ID: 005  
Action Name: RECORD OF DECISION  
Action Completion date: 03/04/1998  
Operable Unit: 01  
Contaminated Media : Soil  
Engineering Control: Storage - Temporary

Action ID: 006  
Action Name: RECORD OF DECISION  
Action Completion date: 08/08/2005  
Operable Unit: 03  
Contaminated Media : Groundwater  
Engineering Control: Alternate Drinking Water, Permanent Replacement

Action ID: 006  
Action Name: RECORD OF DECISION  
Action Completion date: 08/08/2005  
Operable Unit: 03  
Contaminated Media : Groundwater  
Engineering Control: Biological Treatment, (N.O.S.)

Action ID: 006  
Action Name: RECORD OF DECISION  
Action Completion date: 08/08/2005  
Operable Unit: 03  
Contaminated Media : Groundwater  
Engineering Control: Monitoring

Action ID: 006  
Action Name: RECORD OF DECISION  
Action Completion date: 08/08/2005  
Operable Unit: 03  
Contaminated Media : Groundwater  
Engineering Control: Natural Attenuation

Action ID: 009  
Action Name: RECORD OF DECISION  
Action Completion date: 09/02/2011  
Operable Unit: 08

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Contaminated Media : Buildings/Structures  
Engineering Control: Decontamination

Action ID: 009  
Action Name: RECORD OF DECISION  
Action Completion date: 09/02/2011  
Operable Unit: 08  
Contaminated Media : Buildings/Structures  
Engineering Control: Disposal

Action ID: 009  
Action Name: RECORD OF DECISION  
Action Completion date: 09/02/2011  
Operable Unit: 08  
Contaminated Media : Buildings/Structures  
Engineering Control: Revegetation

Action ID: 009  
Action Name: RECORD OF DECISION  
Action Completion date: 09/02/2011  
Operable Unit: 08  
Contaminated Media : Soil  
Engineering Control: Disposal

Action ID: 009  
Action Name: RECORD OF DECISION  
Action Completion date: 09/02/2011  
Operable Unit: 08  
Contaminated Media : Soil  
Engineering Control: Excavation

Action ID: 009  
Action Name: RECORD OF DECISION  
Action Completion date: 09/02/2011  
Operable Unit: 08  
Contaminated Media : Soil  
Engineering Control: Physical Separation

Action ID: 009  
Action Name: RECORD OF DECISION  
Action Completion date: 09/02/2011  
Operable Unit: 08  
Contaminated Media : Soil  
Engineering Control: Revegetation

**US INST CONTROL:**

EPA ID: IA7213820445  
Site ID: 0700413  
Name: IOWA ARMY AMMUNITION PLANT  
Action Name: RECORD OF DECISION  
Address: HWY 79 OFF MIDDLETOWN RD  
MIDDLETOWN, IA 52638  
EPA Region: 07  
County: DES MOINES  
Event Code: Not reported  
Inst. Control: Groundwater use/well drilling regulation

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Actual Date: 09/30/2008  
Compleat. Date: 09/30/2008  
Operable Unit: 04  
Contaminated Media : Groundwater

EPA ID: IA7213820445  
Site ID: 0700413  
Name: IOWA ARMY AMMUNITION PLANT  
Action Name: RECORD OF DECISION  
Address: HWY 79 OFF MIDDLETOWN RD  
MIDDLETOWN, IA 52638

EPA Region: 07  
County: DES MOINES  
Event Code: Not reported  
Inst. Control: Building, demolition, or excavation regulation  
Actual Date: 09/30/2008  
Compleat. Date: 09/30/2008  
Operable Unit: 04  
Contaminated Media : Sediment

EPA ID: IA7213820445  
Site ID: 0700413  
Name: IOWA ARMY AMMUNITION PLANT  
Action Name: RECORD OF DECISION  
Address: HWY 79 OFF MIDDLETOWN RD  
MIDDLETOWN, IA 52638

EPA Region: 07  
County: DES MOINES  
Event Code: Not reported  
Inst. Control: Zoning regulation  
Actual Date: 09/30/2008  
Compleat. Date: 09/30/2008  
Operable Unit: 04  
Contaminated Media : Sediment

EPA ID: IA7213820445  
Site ID: 0700413  
Name: IOWA ARMY AMMUNITION PLANT  
Action Name: RECORD OF DECISION  
Address: HWY 79 OFF MIDDLETOWN RD  
MIDDLETOWN, IA 52638

EPA Region: 07  
County: DES MOINES  
Event Code: Not reported  
Inst. Control: Building, demolition, or excavation regulation  
Actual Date: 09/30/2008  
Compleat. Date: 09/30/2008  
Operable Unit: 04  
Contaminated Media : Soil

EPA ID: IA7213820445  
Site ID: 0700413  
Name: IOWA ARMY AMMUNITION PLANT  
Action Name: RECORD OF DECISION  
Address: HWY 79 OFF MIDDLETOWN RD  
MIDDLETOWN, IA 52638

EPA Region: 07

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

County: DES MOINES  
Event Code: Not reported  
Inst. Control: Zoning regulation  
Actual Date: 09/30/2008  
Comple. Date: 09/30/2008  
Operable Unit: 04  
Contaminated Media : Soil

EPA ID: IA7213820445  
Site ID: 0700413  
Name: IOWA ARMY AMMUNITION PLANT  
Action Name: RECORD OF DECISION  
Address: HWY 79 OFF MIDDLETOWN RD  
MIDDLETOWN, IA 52638

EPA Region: 07  
County: DES MOINES  
Event Code: Not reported  
Inst. Control: Building, demolition, or excavation regulation  
Actual Date: 09/30/2008  
Comple. Date: 09/30/2008  
Operable Unit: 04  
Contaminated Media : Solid Waste

EPA ID: IA7213820445  
Site ID: 0700413  
Name: IOWA ARMY AMMUNITION PLANT  
Action Name: RECORD OF DECISION  
Address: HWY 79 OFF MIDDLETOWN RD  
MIDDLETOWN, IA 52638

EPA Region: 07  
County: DES MOINES  
Event Code: Not reported  
Inst. Control: Zoning regulation  
Actual Date: 09/30/2008  
Comple. Date: 09/30/2008  
Operable Unit: 04  
Contaminated Media : Solid Waste

EPA ID: IA7213820445  
Site ID: 0700413  
Name: IOWA ARMY AMMUNITION PLANT  
Action Name: RECORD OF DECISION  
Address: HWY 79 OFF MIDDLETOWN RD  
MIDDLETOWN, IA 52638

EPA Region: 07  
County: DES MOINES  
Event Code: Not reported  
Inst. Control: Drinking Water Advisory  
Actual Date: 07/15/2005  
Comple. Date: 08/08/2005  
Operable Unit: 03  
Contaminated Media : Groundwater

EPA ID: IA7213820445  
Site ID: 0700413  
Name: IOWA ARMY AMMUNITION PLANT  
Action Name: RECORD OF DECISION



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Address: HWY 79 OFF MIDDLETOWN RD  
MIDDLETOWN, IA 52638  
EPA Region: 07  
County: DES MOINES  
Event Code: Not reported  
Inst. Control: Health Advisory  
Actual Date: 07/15/2005  
Comple. Date: 08/08/2005  
Operable Unit: 03  
Contaminated Media : Groundwater

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

ICIS:

Enforcement Action ID: 07-2001-0114  
FRS ID: 110041994973  
Program ID: BOILER 912642  
Action Name: IOWA ARMY AMMUNITION PLANT, MIDDLETOWN, IOWA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CWA 309A AO For Compliance  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-2001-0114  
FRS ID: 110041994973  
Program ID: TRIS 52638WRMYMNA  
Action Name: IOWA ARMY AMMUNITION PLANT, MIDDLETOWN, IOWA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CWA 309A AO For Compliance  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-2001-0114  
FRS ID: 110041994973  
Program ID: BR IAR000005876  
Action Name: IOWA ARMY AMMUNITION PLANT, MIDDLETOWN, IOWA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CWA 309A AO For Compliance  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-2001-0114  
FRS ID: 110041994973

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Program ID: CERCLIS IA7213820445  
Action Name: IOWA ARMY AMMUNITION PLANT, MIDDLETOWN, IOWA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CWA 309A AO For Compliance  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-2001-0114  
FRS ID: 110041994973  
Program ID: FRS 110041994973  
Action Name: IOWA ARMY AMMUNITION PLANT, MIDDLETOWN, IOWA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CWA 309A AO For Compliance  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-2001-0114  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 310201368  
Action Name: IOWA ARMY AMMUNITION PLANT, MIDDLETOWN, IOWA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CWA 309A AO For Compliance  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-2001-0114  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 310349743  
Action Name: IOWA ARMY AMMUNITION PLANT, MIDDLETOWN, IOWA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CWA 309A AO For Compliance  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-2001-0114  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 310468554  
Action Name: IOWA ARMY AMMUNITION PLANT, MIDDLETOWN, IOWA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: CWA 309A AO For Compliance  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-2001-0114  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 310513138  
Action Name: IOWA ARMY AMMUNITION PLANT, MIDDLETOWN, IOWA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: CWA 309A AO For Compliance  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-2001-0114  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 310630896  
Action Name: IOWA ARMY AMMUNITION PLANT, MIDDLETOWN, IOWA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: CWA 309A AO For Compliance  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-2001-0114  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 311217613  
Action Name: IOWA ARMY AMMUNITION PLANT, MIDDLETOWN, IOWA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: CWA 309A AO For Compliance  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-2001-0114  
FRS ID: 110041994973  
Program ID: NCDB C07#07-92-132  
Action Name: IOWA ARMY AMMUNITION PLANT, MIDDLETOWN, IOWA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: CWA 309A AO For Compliance  
Facility County: DES MOINES  
EPA Region #: 7

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Enforcement Action ID: 07-2001-0114  
FRS ID: 110041994973  
Program ID: NCDB I07#19920902IA009 1  
Action Name: IOWA ARMY AMMUNITION PLANT, MIDDLETOWN, IOWA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CWA 309A AO For Compliance  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-2001-0114  
FRS ID: 110041994973  
Program ID: NCDB I07#1998072307002 1  
Action Name: IOWA ARMY AMMUNITION PLANT, MIDDLETOWN, IOWA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CWA 309A AO For Compliance  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-2001-0114  
FRS ID: 110041994973  
Program ID: NEI NEI32739  
Action Name: IOWA ARMY AMMUNITION PLANT, MIDDLETOWN, IOWA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CWA 309A AO For Compliance  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-2001-0114  
FRS ID: 110041994973  
Program ID: NEI NEIIF8322  
Action Name: IOWA ARMY AMMUNITION PLANT, MIDDLETOWN, IOWA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CWA 309A AO For Compliance  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-2001-0114  
FRS ID: 110041994973  
Program ID: OIL R7-IA-00021  
Action Name: IOWA ARMY AMMUNITION PLANT, MIDDLETOWN, IOWA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

State: iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CWA 309A AO For Compliance  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-2001-0114  
FRS ID: 110041994973  
Program ID: RCRAINFO IA7213820445  
Action Name: IOWA ARMY AMMUNITION PLANT, MIDDLETOWN, IOWA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CWA 309A AO For Compliance  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-2001-0114  
FRS ID: 110041994973  
Program ID: RCRAINFO IAR000005876  
Action Name: IOWA ARMY AMMUNITION PLANT, MIDDLETOWN, IOWA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CWA 309A AO For Compliance  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-2001-0114  
FRS ID: 110041994973  
Program ID: TRIS 52638SRMYW17571  
Action Name: IOWA ARMY AMMUNITION PLANT, MIDDLETOWN, IOWA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CWA 309A AO For Compliance  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-2001-0114  
FRS ID: 110041994973  
Program ID: BR IA7213820445  
Action Name: IOWA ARMY AMMUNITION PLANT, MIDDLETOWN, IOWA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CWA 309A AO For Compliance



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1992-0262  
FRS ID: 110041994973  
Program ID: BOILER 912642  
Action Name: IOWA ARMY AMMUNITION PLANT (IAAP)  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1992-0262  
FRS ID: 110041994973  
Program ID: BR IA7213820445  
Action Name: IOWA ARMY AMMUNITION PLANT (IAAP)  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1992-0262  
FRS ID: 110041994973  
Program ID: BR IAR000005876  
Action Name: IOWA ARMY AMMUNITION PLANT (IAAP)  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1992-0262  
FRS ID: 110041994973  
Program ID: CERCLIS IA7213820445  
Action Name: IOWA ARMY AMMUNITION PLANT (IAAP)  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1992-0262  
FRS ID: 110041994973

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Program ID: FRS 110041994973  
Action Name: IOWA ARMY AMMUNITION PLANT (IAAP)  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1992-0262  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 310201368  
Action Name: IOWA ARMY AMMUNITION PLANT (IAAP)  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1992-0262  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 310349743  
Action Name: IOWA ARMY AMMUNITION PLANT (IAAP)  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1992-0262  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 310468554  
Action Name: IOWA ARMY AMMUNITION PLANT (IAAP)  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1992-0262  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 310513138  
Action Name: IOWA ARMY AMMUNITION PLANT (IAAP)  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1992-0262  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 310630896  
Action Name: IOWA ARMY AMMUNITION PLANT (IAAP)  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1992-0262  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 311217613  
Action Name: IOWA ARMY AMMUNITION PLANT (IAAP)  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1992-0262  
FRS ID: 110041994973  
Program ID: NCDB C07#07-92-132  
Action Name: IOWA ARMY AMMUNITION PLANT (IAAP)  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1992-0262  
FRS ID: 110041994973  
Program ID: NCDB I07#19920902IA009 1  
Action Name: IOWA ARMY AMMUNITION PLANT (IAAP)  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty  
Facility County: DES MOINES  
EPA Region #: 7

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Enforcement Action ID: 07-1992-0262  
FRS ID: 110041994973  
Program ID: NCDB I07#1998072307002 1  
Action Name: IOWA ARMY AMMUNITION PLANT (IAAP)  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1992-0262  
FRS ID: 110041994973  
Program ID: NEI NEI32739  
Action Name: IOWA ARMY AMMUNITION PLANT (IAAP)  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1992-0262  
FRS ID: 110041994973  
Program ID: NEI NEI1LF8322  
Action Name: IOWA ARMY AMMUNITION PLANT (IAAP)  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1992-0262  
FRS ID: 110041994973  
Program ID: OIL R7-IA-00021  
Action Name: IOWA ARMY AMMUNITION PLANT (IAAP)  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1992-0262  
FRS ID: 110041994973  
Program ID: RCRAINFO IA7213820445  
Action Name: IOWA ARMY AMMUNITION PLANT (IAAP)  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty  
Facility County: DES MOINES  
EPA Region #: 7  
Enforcement Action ID: 07-1992-0262  
FRS ID: 110041994973  
Program ID: RCRAINFO IAR000005876  
Action Name: IOWA ARMY AMMUNITION PLANT (IAAP)  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty  
Facility County: DES MOINES  
EPA Region #: 7  
Enforcement Action ID: 07-1992-0262  
FRS ID: 110041994973  
Program ID: TRIS 52638SRMYW17571  
Action Name: IOWA ARMY AMMUNITION PLANT (IAAP)  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty  
Facility County: DES MOINES  
EPA Region #: 7  
Enforcement Action ID: 07-1992-0262  
FRS ID: 110041994973  
Program ID: TRIS 52638WRMYMNA  
Action Name: IOWA ARMY AMMUNITION PLANT (IAAP)  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: RCRA 3008A AO For Comp And/Or Penalty  
Facility County: DES MOINES  
EPA Region #: 7  
Enforcement Action ID: 07-1990-0232  
FRS ID: 110041994973  
Program ID: TRIS 52638SRMYW17571  
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETON, IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1990-0232  
FRS ID: 110041994973  
Program ID: TRIS 52638WRMYMNA  
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETON, IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1990-0232  
FRS ID: 110041994973  
Program ID: RCRAINFO IA7213820445  
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETON, IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1990-0232  
FRS ID: 110041994973  
Program ID: OIL R7-IA-00021  
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETON, IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1990-0232  
FRS ID: 110041994973  
Program ID: NEI NEIIF8322  
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETON, IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1990-0232  
FRS ID: 110041994973

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Program ID: NEI NEI32739  
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETON, IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1990-0232  
FRS ID: 110041994973  
Program ID: NCDB I07#1998072307002 1  
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETON, IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1990-0232  
FRS ID: 110041994973  
Program ID: NCDB I07#19920902IA009 1  
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETON, IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1990-0232  
FRS ID: 110041994973  
Program ID: NCDB C07#07-92-132  
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETON, IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1990-0232  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 311217613  
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETON, IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1990-0232  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 310630896  
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETON, IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1990-0232  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 310513138  
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETON, IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1990-0232  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 310468554  
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETON, IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1990-0232  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 310349743  
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETON, IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz  
Facility County: DES MOINES  
EPA Region #: 7

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Enforcement Action ID: 07-1990-0232  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 310201368  
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETOWN, IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1990-0232  
FRS ID: 110041994973  
Program ID: FRS 110041994973  
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETOWN, IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1990-0232  
FRS ID: 110041994973  
Program ID: CERCLIS IA7213820445  
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETOWN, IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1990-0232  
FRS ID: 110041994973  
Program ID: BR IAR000005876  
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETOWN, IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1990-0232  
FRS ID: 110041994973  
Program ID: BR IA7213820445  
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETOWN, IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz  
Facility County: DES MOINES  
EPA Region #: 7  
Enforcement Action ID: 07-1990-0232  
FRS ID: 110041994973  
Program ID: BOILER 912642  
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETON, IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz  
Facility County: DES MOINES  
EPA Region #: 7  
Enforcement Action ID: 07-1990-0232  
FRS ID: 110041994973  
Program ID: RCRAINFO IAR000005876  
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETON, IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: CERCLA 106 AO For Resp Action/Imm Haz  
Facility County: DES MOINES  
EPA Region #: 7  
Enforcement Action ID: 07-1986-0192  
FRS ID: 110041994973  
Program ID: TRIS 52638WRMYMNA  
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETON,IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: Federal Facility Agreements  
Facility County: DES MOINES  
EPA Region #: 7  
Enforcement Action ID: 07-1986-0192  
FRS ID: 110041994973  
Program ID: TRIS 52638SRMYW17571  
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETON,IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: Federal Facility Agreements

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1986-0192  
FRS ID: 110041994973  
Program ID: RCRAINFO IAR000005876  
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETON,IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: Federal Facility Agreements  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1986-0192  
FRS ID: 110041994973  
Program ID: RCRAINFO IA7213820445  
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETON,IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: Federal Facility Agreements  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1986-0192  
FRS ID: 110041994973  
Program ID: OIL R7-IA-00021  
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETON,IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: Federal Facility Agreements  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1986-0192  
FRS ID: 110041994973  
Program ID: NEI NEIILF8322  
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETON,IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: Federal Facility Agreements  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1986-0192  
FRS ID: 110041994973



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Program ID: NEI NEI32739  
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETON,IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: Federal Facility Agreements  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1986-0192  
FRS ID: 110041994973  
Program ID: NCDB I07#1998072307002 1  
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETON,IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: Federal Facility Agreements  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1986-0192  
FRS ID: 110041994973  
Program ID: NCDB I07#19920902IA009 1  
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETON,IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: Federal Facility Agreements  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1986-0192  
FRS ID: 110041994973  
Program ID: NCDB C07#07-92-132  
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETON,IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: Federal Facility Agreements  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1986-0192  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 311217613  
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETON,IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: Federal Facility Agreements  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1986-0192  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 310630896  
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETON,IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: Federal Facility Agreements  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1986-0192  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 310513138  
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETON,IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: Federal Facility Agreements  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1986-0192  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 310468554  
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETON,IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: Federal Facility Agreements  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1986-0192  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 310349743  
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETON,IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700

Enforcement Action Type: Federal Facility Agreements  
Facility County: DES MOINES  
EPA Region #: 7

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Enforcement Action ID: 07-1986-0192  
FRS ID: 110041994973  
Program ID: IDNR\_EFD 310201368  
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETOWN,IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: Federal Facility Agreements  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1986-0192  
FRS ID: 110041994973  
Program ID: FRS 110041994973  
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETOWN,IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: Federal Facility Agreements  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1986-0192  
FRS ID: 110041994973  
Program ID: CERCLIS IA7213820445  
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETOWN,IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: Federal Facility Agreements  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1986-0192  
FRS ID: 110041994973  
Program ID: BR IAR000005876  
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETOWN,IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: Federal Facility Agreements  
Facility County: DES MOINES  
EPA Region #: 7

Enforcement Action ID: 07-1986-0192  
FRS ID: 110041994973  
Program ID: BOILER 912642  
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETOWN,IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: Federal Facility Agreements  
Facility County: DES MOINES  
EPA Region #: 7  
  
Enforcement Action ID: 07-1986-0192  
FRS ID: 110041994973  
Program ID: BR IA7213820445  
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETON,IA  
Full Address: 17571 HWY 79 MIDDLETOWN IA 52638-9700  
State: Iowa  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Facility Address: 17571 HWY 79  
MIDDLETOWN, IA 52638-9700  
Enforcement Action Type: Federal Facility Agreements  
Facility County: DES MOINES  
EPA Region #: 7  
  
Program ID: BOILER 912642  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483  
  
Program ID: BOILER 912642  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711  
  
Program ID: BR IA7213820445  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483  
  
Program ID: BR IA7213820445  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711  
  
Program ID: BR IAR000005876  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	BR IAR000005876
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	CERCLIS IA7213820445
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	CERCLIS IA7213820445
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	FRS 110041994973
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	FRS 110041994973
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	IDNR_EFD 310201368
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	IDNR_EFD 310201368
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	IDNR_EFD 310349743
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	IDNR_EFD 310349743
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	IDNR_EFD 310468554
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	IDNR_EFD 310468554
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	IDNR_EFD 310513138
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	IDNR_EFD 310513138
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	IDNR_EFD 310630896
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

NAIC Code:	Not reported
SIC Code:	3483
Program ID:	IDNR_EFD 310630896
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	IDNR_EFD 311217613
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	IDNR_EFD 311217613
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	NCDB C07#07-92-132
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	NCDB C07#07-92-132
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	NCDB I07#19920902IA009 1
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	NCDB I07#19920902IA009 1
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

SIC Code: 9711

Program ID: NCDB I07#1998072307002 1  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: NCDB I07#1998072307002 1  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: NEI NEI32739  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: NEI NEI32739  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: NEI NEI1ALF8322  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: NEI NEI1ALF8322  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: OIL R7-IA-00021  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Program ID: OIL R7-IA-00021  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: RCRAINFO IA7213820445  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: RCRAINFO IA7213820445  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: RCRAINFO IAR000005876  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: RCRAINFO IAR000005876  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: TRIS 52638SRMYW17571  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: TRIS 52638SRMYW17571  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: TRIS 52638WRMYMNA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: TRIS 52638WRMYMNA  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: BOILER 912642  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: BOILER 912642  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: BR IA7213820445  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: BR IA7213820445  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: BR IAR000005876  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: BR IAR000005876  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: CERCLIS IA7213820445  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: CERCLIS IA7213820445  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: FRS 110041994973  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: FRS 110041994973  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: IDNR\_EFD 310201368  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: IDNR\_EFD 310201368  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: IDNR\_EFD 310349743  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	IDNR_EFD 310349743
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	IDNR_EFD 310468554
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	IDNR_EFD 310468554
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	IDNR_EFD 310513138
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	IDNR_EFD 310513138
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	IDNR_EFD 310630896
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	IDNR_EFD 310630896
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	IDNR_EFD 311217613
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	IDNR_EFD 311217613
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	NCDB C07#07-92-132
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	NCDB C07#07-92-132
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	NCDB I07#19920902IA009 1
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	NCDB I07#19920902IA009 1
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	NCDB I07#1998072307002 1
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

NAIC Code:	Not reported
SIC Code:	3483
Program ID:	NCDB I07#1998072307002 1
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	NEI NEI32739
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	NEI NEI32739
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	NEI NEIILF8322
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	NEI NEIILF8322
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	OIL R7-IA-00021
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	OIL R7-IA-00021
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

SIC Code: 9711

Program ID: RCRAINFO IA7213820445  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: RCRAINFO IA7213820445  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: RCRAINFO IAR000005876  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: RCRAINFO IAR000005876  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: TRIS 52638SRMYW17571  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: TRIS 52638SRMYW17571  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: TRIS 52638WRMYMNA  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Program ID: TRIS 52638WRMYMNA  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: BOILER 912642  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: BOILER 912642  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: BR IA7213820445  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: BR IA7213820445  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: BR IAR000005876  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: BR IAR000005876  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: CERCLIS IA7213820445

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: CERCLIS IA7213820445  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: FRS 110041994973  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: FRS 110041994973  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: IDNR\_EFD 310201368  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: IDNR\_EFD 310201368  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: IDNR\_EFD 310349743  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: IDNR\_EFD 310349743  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: IDNR\_EFD 310468554  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: IDNR\_EFD 310468554  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: IDNR\_EFD 310513138  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: IDNR\_EFD 310513138  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: IDNR\_EFD 310630896  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: IDNR\_EFD 310630896  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: IDNR\_EFD 311217613  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	IDNR_EFD 311217613
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	NCDB C07#07-92-132
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	NCDB C07#07-92-132
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	NCDB I07#19920902IA009 1
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	NCDB I07#19920902IA009 1
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	NCDB I07#1998072307002 1
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	NCDB I07#1998072307002 1
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	NEI NEI32739
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	NEI NEI32739
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	NEI NEIILF8322
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	NEI NEIILF8322
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	OIL R7-IA-00021
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	OIL R7-IA-00021
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	RCRAINFO IA7213820445
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

NAIC Code:	Not reported
SIC Code:	3483
Program ID:	RCRAINFO IA7213820445
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	RCRAINFO IAR000005876
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	RCRAINFO IAR000005876
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	TRIS 52638SRMYW17571
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	TRIS 52638SRMYW17571
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	TRIS 52638WRMYMNA
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	TRIS 52638WRMYMNA
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

SIC Code:	9711
Program ID:	BOILER 912642
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	BOILER 912642
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	BR IA7213820445
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	BR IA7213820445
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	BR IAR000005876
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	BR IAR000005876
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	CERCLIS IA7213820445
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Program ID: CERCLIS IA7213820445  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: FRS 110041994973  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: FRS 110041994973  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: IDNR\_EFD 310201368  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: IDNR\_EFD 310201368  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: IDNR\_EFD 310349743  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: IDNR\_EFD 310349743  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: IDNR\_EFD 310468554

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: IDNR\_EFD 310468554  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: IDNR\_EFD 310513138  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: IDNR\_EFD 310513138  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: IDNR\_EFD 310630896  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: IDNR\_EFD 310630896  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: IDNR\_EFD 311217613  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: IDNR\_EFD 311217613  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: NCDB C07#07-92-132  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: NCDB C07#07-92-132  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: NCDB I07#19920902IA009 1  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: NCDB I07#19920902IA009 1  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: NCDB I07#1998072307002 1  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: NCDB I07#1998072307002 1  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: NEI NEI32739  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	NEI NEI32739
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	NEI NEI1ALF8322
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	NEI NEI1ALF8322
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	OIL R7-IA-00021
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	OIL R7-IA-00021
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	9711
Program ID:	RCRAINFO IA7213820445
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N
Fed Facility:	Yes
NAIC Code:	Not reported
SIC Code:	3483
Program ID:	RCRAINFO IA7213820445
Facility Name:	US ARMY IOWA ARMY AMMUNITION PLANT
Address:	17571 HWY 79
Tribal Indicator:	N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: RCRAINFO IAR000005876  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: RCRAINFO IAR000005876  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: TRIS 52638SRMYW17571  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: TRIS 52638SRMYW17571  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

Program ID: TRIS 52638WRMYMNA  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 3483

Program ID: TRIS 52638WRMYMNA  
Facility Name: US ARMY IOWA ARMY AMMUNITION PLANT  
Address: 17571 HWY 79  
Tribal Indicator: N  
Fed Facility: Yes  
NAIC Code: Not reported  
SIC Code: 9711

**FINDS:**

Registry ID: 110041994973

Environmental Interest/Information System

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

**AIR SYNTHETIC MINOR**

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

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

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

**HAZARDOUS WASTE BIENNIAL REPORTER**

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

**AIR MAJOR**

IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

SPCC

LUST:

Facility ID: 2909  
Spill Number: Not reported  
Occur Date: Not reported  
Discover Date: 09/11/1991  
Discover Time: Not reported  
Record Date: 10/17/1991  
Leak Number: 8LTQ63  
Loc ID: 65271  
Ust ID: 6662  
Latitude: 40.80756  
Longitude: -91.20277  
Start Date: 10/17/1991  
Spill Date: Not reported  
Date Occurred Time: Not reported  
Lead ID: 4  
Coordinator ID: 11  
Staff ID: 11  
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: 2910  
Site Leak Number: 8LTQ63  
Discovered During: Removal  
Tanks Removed: 01  
Leak Cause: UNK  
Gas: Not reported  
Diesel: Not reported  
Oil: Not reported  
Kerosene: Not reported  
Released Fuel Oil: Not reported  
Released Hydraulic Oil: Not reported  
Released Other Petroleum: Yes  
Released Unknown: Not reported  
Released Non\_Petroleum Chemical: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

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 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



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

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:	2910
Owner Identified:	Yes
Responsible Party Found:	Yes
RP Date:	10/17/1991
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:	2910
Site Assesment Start Date:	03/27/1992
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:	1994-03-07

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IOWA ARMY AMMUNITION PLANT (Continued)

1000141617

Cleanup Complete Date: 1994-11-21  
Cleanup Report Due Date: 1994-02-27  
Cleanup Report Received Date: 1994-02-14  
Cleanup Report Approved Date: 1994-03-07  
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: 1994-11-21  
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: 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: 03/27/92: SCR LTR SENT.04/22/92: LTR REC'D REQUESTING TIME  
EXT.02/02/93: REV OF SCR REJECTED. DUE 5/4/93.05/13/93:  
REVISED SCR REC'D.01/25/94: REV OF SCR, ACCPT LOW RISK, NOT  
MON PLAN DUE 2/27/94.02/14/94: REC'D REV MON PLAN.11/21/94:  
LTR SENT, LOW RISK, NO MONITORING REQUIRED.06/09/95: REC'D  
SMR.01/18/96: LTR FROM RP. WILL CEASE MNTRNG  
ACTIVITIES.08/25/97: NFA LTR SNT. REC'D 9/2/97.

UST:

Facility Id: 6662  
Loc Id: 6662  
Registration: 198606344  
Owner Type: 2  
Financial Code: Not reported  
Insurer's Name: Not reported  
Policy Number: Not reported  
Policy Start Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Policy End Date: Not reported  
Registration Sign Date: 04/21/1986  
Created By: migration  
Created Date: 01/08/2007  
Changed By: migration  
Last Changed: 01/08/2007  
Latitude: 40.80756  
Longitude: -91.20277

**Tank Info:**

Tank Num: 18594  
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 FRP  
Emergency Power Gen: Not reported

**Manifest Details:**

Year: 2007  
Manifest Number: 000028442GBF  
Manifest Type: Not reported  
Generator EPA Id: IA7213820445  
Generator Date: 01/24/2007  
Mailing Address: Not reported  
Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 319-753-7414  
TSD EPA Id: PAD987270725  
TSD Date: Not reported  
TSD Facility Name: ENVIROTROL INC DARLINGTON FACILITY  
TSD Facility Address: 118 PARK ROAD  
TSD Facility City: DARLINGTON  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 1  
Waste Number: K045  
Container Number: 36  
Container Type: Metal drums, barrels, kegs  
Waste Quantity: 14400  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2007  
Manifest Number: 000142661GBF  
Manifest Type: Not reported  
Generator EPA Id: IA7213820445  
Generator Date: 04/04/2007  
Mailing Address: Not reported  
Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 319-753-7414

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

TSD EPA Id: PAD987270725  
TSD Date: Not reported  
TSD Facility Name: ENVIROTROL INC DARLINGTON FACILITY  
TSD Facility Address: 118 PARK ROAD  
TSD Facility City: DARLINGTON  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 1  
Waste Number: K045  
Container Number: 50  
Container Type: Metal drums, barrels, kegs  
Waste Quantity: 20000  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2006  
Manifest Number: PAH183168  
Manifest Type: TSD Copy  
Generator EPA Id: IA7213820445  
Generator Date: 06/27/2006  
Mailing Address: Not reported  
Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: Not reported  
TSD EPA Id: PAD987270725  
TSD Date: Not reported  
TSD Facility Name: ENVIROTROL INC DARLINGTON FACILITY  
TSD Facility Address: 118 PARK ROAD  
TSD Facility City: DARLINGTON  
TSD Facility State: PA  
Facility Telephone: 319-753-7414  
Page Number: 1  
Line Number: 1  
Waste Number: K045  
Container Number: 40  
Container Type: Metal drums, barrels, kegs  
Waste Quantity: 16000  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2006  
Manifest Number: 000028426GBF  
Manifest Type: TSD Copy  
Generator EPA Id: IA7213820445  
Generator Date: 11/01/2006  
Mailing Address: Not reported  
Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: Not reported  
TSD EPA Id: PAD987270725  
TSD Date: Not reported  
TSD Facility Name: ENVIROTROL INC DARLINGTON FACILITY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

TSD Facility Address: 118 PARK ROAD  
TSD Facility City: DARLINGTON  
TSD Facility State: PA  
Facility Telephone: 319-753-7414  
Page Number: 1  
Line Number: 1  
Waste Number: K045  
Container Number: 23  
Container Type: Metal drums, barrels, kegs  
Waste Quantity: 9200  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2006  
Manifest Number: 000141304JJK  
Manifest Type: TSD Copy  
Generator EPA Id: IA7213820445  
Generator Date: 09/14/2006  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: Not reported  
TSD EPA Id: PAD987270725  
TSD Date: Not reported  
TSD Facility Name: ENVIROTROL INC DARLINGTON FACILITY  
TSD Facility Address: 118 PARK ROAD  
TSD Facility City: DARLINGTON  
TSD Facility State: PA  
Facility Telephone: 319-753-7414  
Page Number: 1  
Line Number: 1  
Waste Number: K045  
Container Number: 33  
Container Type: Metal drums, barrels, kegs  
Waste Quantity: 13200  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

**WI MANIFEST:**

Year: 2006  
EPA ID: IA7213820445  
FID: 999566590  
ACT Code: 201  
ACT Status: A  
ACT Code 1: 201  
ACT Name: HW Generator - Large  
Contact Title: CHIEF ENGR  
Contact Name: MATHES GEORGE/CHIEF  
Contact Address: HWY 34  
Contact City/State/Zip: MIDDLETOWN, IA 52638  
Contact Telephone: 3097946269  
Contact EMail Address: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**1000141617**

Year: 2005  
 EPA ID: IA7213820445  
 FID: 999566590  
 ACT Code: 201  
 ACT Status: A  
 ACT Code 1: 201  
 ACT Name: HW Generator - Large  
 Contact Title: CHIEF ENGR  
 Contact Name: MATHES GEORGE/CHIEF  
 Contact Address: HWY 34  
 Contact City/State/Zip: MIDDLETOWN, IA 52638  
 Contact Telephone: 3097946269  
 Contact EMail Address: Not reported

Year: 2004  
 EPA ID: IA7213820445  
 FID: 999566590  
 ACT Code: 201  
 ACT Status: A  
 ACT Code 1: 201  
 ACT Name: HW Generator - Large  
 Contact Title: CHIEF ENGR  
 Contact Name: MATHES GEORGE/CHIEF  
 Contact Address: HWY 34  
 Contact City/State/Zip: MIDDLETOWN, IA 52638  
 Contact Telephone: 3097946269  
 Contact EMail Address: Not reported

2020 COR ACTION:  
 EPA ID: IA7213820445  
 Region: 7  
 Action: Not reported

**1**  
**North**  
**> 1**  
**1.430 mi.**  
**7548 ft.**

**IOWA ARMY AMMUNITION PLANT**  
 , IA

**IA SWF/LF S105890891**  
**N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**704 ft.**

SWF/LF:  
 Facility ID: 29-SDP-05-89  
 Facility Type: Foundry Sand Landfill  
 Permit Stage: Closure  
 Expiration Date: 1/1/0001  
 Project Officer: Koger  
 Affiliation: Responsible Official of Agency served  
 Phone: Not reported  
 Contact Name: Plant Protection Office  
 Contact Title: Not reported  
 Contact eMail: Not reported  
 Contact Company: Department of the Army  
 Contact Address: 17571 Highway 79  
 Contact Address2: Not reported  
 Contact City,St,Zip: Middletown, IA 52638-5000  
 Field Office: Not reported



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**S105890891**

Loc Supplement: Not reported  
 Latitude: Not reported  
 Longitude: Not reported

**A2**  
**SSW**  
 > 1  
 2.371 mi.  
 12521 ft.

**PNB PROCESSORS, L.L.C.**  
**3317 OLD QUARRY ROAD**  
**WEVER, IA 52658**  
 Site 1 of 3 in cluster A

**IA NPDES** **S109380595**  
**N/A**

**Relative:**  
**Lower**

**NPDES:**

**Actual:**  
**554 ft.**

Permit Number: 5600108  
 Epa Npdes Id Number: 0070602  
 Permit Expiration Date: 03/31/2017  
 Facility Name: PNB PROCESSORS, L.L.C.  
 Facility Address1: 3317 OLD QUARRY ROAD  
 Facility City: WEVER  
 Facility Phone Number: (319)528-6153  
 Facility Type: OPERATION PERMIT  
 Facility Class: MINOR  
 Standard Industrial Classification Code: 3274  
 Owner Name: PNB PROCESSORS, L.L.C.  
 Owner Add1: P.O. BOX 80  
 Owner Add2: Not reported  
 Owner City: DENMARK  
 Owner State: IA  
 Owner Zip: 52624-0080  
 Owner Phone: (319)528-6153  
 Indr Regional/Field Office Number: 6  
 Section: 25  
 Township: 69  
 Range: 04  
 Latitude Degree: 40.74972  
 Longitude Degree: -91.26888  
 River Basin: SKUNK RIVER BELOW THE NORTH SKUNK  
 Type Of Treatment: OTHER  
 Design Population Equivalent: Not reported  
 Design Biochemical Oxygen Demand: Not reported  
 Design Avg Dry Weather Flow (Mll Glns Per Dy): Not reported  
 Design Avg Wet Weather Flow (Mll Glns Per Dy): Not reported  
 Operator Certification Facility Type: Not reported  
 Operator Certification Facility Grade: Not reported

**A3**  
**SSW**  
 > 1  
 2.373 mi.  
 12529 ft.

**BEACH'S LIMESTONE**  
**3316 OLD QUARRY ROAD**  
**WEVER, IA 52658**  
 Site 2 of 3 in cluster A

**FINDS** **1005834933**  
**N/A**

**Relative:**  
**Lower**

**FINDS:**

**Actual:**  
**555 ft.**

Registry ID: 110008981370  
 Environmental Interest/Information System  
 IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor  
 Documentation) provides information about existing emission factors

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

A4  
SSW  
> 1  
2.389 mi.  
12615 ft.

**PNB PROCESSORS LLC**  
**LEE (County), IA**  
**Site 3 of 3 in cluster A**

**US MINES** 1011149209  
N/A

**Relative:**  
**Lower**

US MINES:  
Mine ID: 1302365  
SIC code(s): 142200 000000 000000 000000 000000 000000  
Entity name: PNB PROCESSORS LLC  
Company: PNB PROCESSORS LLC  
Status: 2  
Status date: 20081017  
Operation Class: non-Coal Mining  
Number of shops: 0  
Number of plants: 0  
Latitude: 40 45 02  
Longitude: 091 16 21

**Actual:**  
**554 ft.**

Violations Details:

Violation Number: 6413367  
Date Issued: 07/20/2009  
Mine Status: Intermittent  
Status Date: 10/17/2008  
Action Type: 104(a)  
Date Abated: 07/27/2009  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 100.00  
Paid Penalty: 100.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 100.00  
Year: 2009

Violation Number: 6550088  
Date Issued: 06/22/2010  
Mine Status: Intermittent  
Status Date: 10/17/2008  
Action Type: 104(a)  
Date Abated: 07/21/2010  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 100.00  
Paid Penalty: 100.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 100.00  
Year: 2010

Violation Number: 6550089  
Date Issued: 06/22/2010  
Mine Status: Intermittent  
Status Date: 10/17/2008  
Action Type: 104(a)  
Date Abated: 07/21/2010  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 100.00

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PNB PROCESSORS LLC (Continued)**

**1011149209**

Paid Penalty: 100.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 100.00  
Year: 2010

Violation Number: 8738137  
Date Issued: 05/15/2013  
Mine Status: Intermittent  
Status Date: 10/17/2008  
Action Type: 104(a)  
Date Abated: 05/15/2013  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 100  
Paid Penalty: 100  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 100  
Year: 2013

Violation Number: 8667335  
Date Issued: 04/24/2012  
Mine Status: Intermittent  
Status Date: 10/17/2008  
Action Type: 104(a)  
Date Abated: 05/31/2012  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 100  
Paid Penalty: 100  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 100  
Year: 2012

5  
North  
> 1  
2.777 mi.  
14660 ft.

**MIDDLETOWN WATER SUPPLY  
0 SOUTH DR  
MIDDLETOWN, IA 52638**

**FINDS 1011271461  
N/A**

**Relative:  
Higher**

FINDS:

Registry ID: 110036218526

**Actual:  
721 ft.**

Environmental Interest/Information System  
IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor  
Documentation) provides information about existing emission factors

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**6**  
**WNW**  
**> 1**  
**2.890 mi.**  
**15259 ft.**

**HEINOLD QUARRY**  
**RFD**  
**DANVILLE, IA 52623**

**IA UST**    **U003633432**  
**N/A**

**Relative:**  
**Higher**

UST:  
Facility Id: 1836  
Loc Id: 1836  
Registration: 198601283  
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: 01/09/1986  
Created By: migration  
Created Date: 01/08/2007  
Changed By: migration  
Last Changed: 01/08/2007  
Latitude: 40.79452  
Longitude: -91.30992

**Actual:**  
**709 ft.**

Tank Info:  
Tank Num: 3393  
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: 3394  
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

**7**  
**SW**  
**> 1**  
**2.936 mi.**  
**15503 ft.**

**C. J. MOYNA & SONS, INC.**  
**LEE (County), IA**

**US MINES**    **1014385766**  
**N/A**

**Relative:**  
**Lower**

US MINES:  
Mine ID: 1302417  
SIC code(s): 142200 000000 000000 000000 000000 000000  
Entity name: PORTABLE 5260 TRACK CRUSHER #3  
Company: C. J. MOYNA & SONS, INC.  
Status: 2  
Status date: 20121015  
Operation Class: non-Coal Mining  
Number of shops: 0  
Number of plants: 0

**Actual:**  
**626 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**C. J. MOYNA & SONS, INC. (Continued)**

**1014385766**

Latitude: 40 44 54  
Longitude: 091 17 22

Violations Details:

Violation Number: 8667210  
Date Issued: 11/28/2011  
Mine Status: Intermittent  
Status Date: 10/15/2012  
Action Type: 104(d)(1)  
Date Abated: 11/29/2011  
Citation/Order: Citation  
Sig and Sub Designation: Y  
Proposed Penalty: 2,000.00  
Paid Penalty: 2,000.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 2,000.00  
Year: 2011

Violation Number: 8667211  
Date Issued: 11/28/2011  
Mine Status: Intermittent  
Status Date: 10/15/2012  
Action Type: 104(d)(1)  
Date Abated: 11/29/2011  
Citation/Order: Order  
Sig and Sub Designation: Y  
Proposed Penalty: 2,000.00  
Paid Penalty: 2,000.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 2,000.00  
Year: 2011

Violation Number: 8667212  
Date Issued: 11/28/2011  
Mine Status: Intermittent  
Status Date: 10/15/2012  
Action Type: 104(d)(1)  
Date Abated: 11/29/2011  
Citation/Order: Order  
Sig and Sub Designation: Y  
Proposed Penalty: 2,000.00  
Paid Penalty: 2,000.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 2,000.00  
Year: 2011

Violation Number: 8667201  
Date Issued: 11/15/2011  
Mine Status: Intermittent  
Status Date: 10/15/2012  
Action Type: 104(a)  
Date Abated: 11/28/2011  
Citation/Order: Citation  
Sig and Sub Designation: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**C. J. MOYNA & SONS, INC. (Continued)**

**1014385766**

Proposed Penalty: 100.00  
Paid Penalty: 100.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 100.00  
Year: 2011

Violation Number: 8667202  
Date Issued: 11/15/2011  
Mine Status: Intermittent  
Status Date: 10/15/2012  
Action Type: 104(a)  
Date Abated: 11/28/2011  
Citation/Order: Citation  
Sig and Sub Designation: Y  
Proposed Penalty: 100.00  
Paid Penalty: 100.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 100.00  
Year: 2011

Violation Number: 8667203  
Date Issued: 11/15/2011  
Mine Status: Intermittent  
Status Date: 10/15/2012  
Action Type: 104(a)  
Date Abated: 11/28/2011  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 100.00  
Paid Penalty: 100.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 100.00  
Year: 2011

Violation Number: 8667204  
Date Issued: 11/15/2011  
Mine Status: Intermittent  
Status Date: 10/15/2012  
Action Type: 104(a)  
Date Abated: 11/28/2011  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 100.00  
Paid Penalty: 100.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 100.00  
Year: 2011

Violation Number: 6550308  
Date Issued: 09/08/2010  
Mine Status: Intermittent  
Status Date: 10/15/2012  
Action Type: 104(a)



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**C. J. MOYNA & SONS, INC. (Continued)**

**1014385766**

Date Abated: 09/08/2010  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 100.00  
Paid Penalty: 100.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 100.00  
Year: 2010

Violation Number: 6550309  
Date Issued: 09/08/2010  
Mine Status: Intermittent  
Status Date: 10/15/2012  
Action Type: 104(a)  
Date Abated: 09/08/2010  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 100.00  
Paid Penalty: 100.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 100.00  
Year: 2010

Violation Number: 6550307  
Date Issued: 09/08/2010  
Mine Status: Intermittent  
Status Date: 10/15/2012  
Action Type: 104(a)  
Date Abated: 09/08/2010  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 100.00  
Paid Penalty: 100.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 100.00  
Year: 2010

Violation Number: 8738779  
Date Issued: 03/25/2014  
Mine Status: Intermittent  
Status Date: 10/15/2012  
Action Type: 104(a)  
Date Abated: 03/25/2014  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 100.00  
Paid Penalty: 100.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 100.00  
Year: 2014

Violation Number: 8738778  
Date Issued: 03/24/2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**C. J. MOYNA & SONS, INC. (Continued)**

**1014385766**

Mine Status: Intermittent  
Status Date: 10/15/2012  
Action Type: 104(a)  
Date Abated: 03/25/2014  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 100.00  
Paid Penalty: 100.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 100.00  
Year: 2014

Violation Number: 8738777  
Date Issued: 03/20/2014  
Mine Status: Intermittent  
Status Date: 10/15/2012  
Action Type: 104(a)  
Date Abated: 03/25/2014  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 100.00  
Paid Penalty: 100.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 100.00  
Year: 2014

Violation Number: 6551378  
Date Issued: 03/15/2011  
Mine Status: Intermittent  
Status Date: 10/15/2012  
Action Type: 104(a)  
Date Abated: 03/15/2011  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 100.00  
Paid Penalty: 100.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 100.00  
Year: 2011

Violation Number: 6551377  
Date Issued: 03/15/2011  
Mine Status: Intermittent  
Status Date: 10/15/2012  
Action Type: 104(a)  
Date Abated: 03/15/2011  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 100.00  
Paid Penalty: 100.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 100.00  
Year: 2011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**C. J. MOYNA & SONS, INC. (Continued)**

**1014385766**

Violation Number: 6551376  
Date Issued: 03/15/2011  
Mine Status: Intermittent  
Status Date: 10/15/2012  
Action Type: 104(a)  
Date Abated: 03/15/2011  
Citation/Order: Citation  
Sig and Sub Designation: N  
Proposed Penalty: 100.00  
Paid Penalty: 100.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 100.00  
Year: 2011

Violation Number: 6551375  
Date Issued: 03/14/2011  
Mine Status: Intermittent  
Status Date: 10/15/2012  
Action Type: 104(a)  
Date Abated: 03/14/2011  
Citation/Order: Citation  
Sig and Sub Designation: Y  
Proposed Penalty: 100.00  
Paid Penalty: 100.00  
Assessment Status code: Closed  
Assess. Case Status code: Proposed  
Assessment Amount: 100.00  
Year: 2011

**B8**  
**North**  
**> 1**  
**3.022 mi.**  
**15956 ft.**

**CASEY'S GENERAL STORE #1028**  
**75 MAIN ST**  
**MIDDLETOWN, IA 52638**

**IA UST** **U004193120**  
**IA Financial Assurance** **N/A**

**Site 1 of 4 in cluster B**

**Relative:**  
**Higher**

**UST:**

Facility Id: 6864  
Loc Id: 6864  
Registration: 198606554  
Owner Type: 6  
Financial Code: 01  
Insurer's Name: CASEY S MARKETING CO  
Policy Number: Not reported  
Policy Start Date: 08/20/2014  
Policy End Date: 08/20/2015  
Registration Sign Date: 04/22/1993  
Created By: migration  
Created Date: 01/08/2007  
Changed By: BB Casey Batch  
Last Changed: 09/03/2014  
Latitude: 40.82673  
Longitude: -91.25462

**Actual:**  
**723 ft.**

**Tank Info:**

Tank Num: 19743  
In Use: True  
Tank Type: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CASEY'S GENERAL STORE #1028 (Continued)**

**U004193120**

Tank Brand Id: Not reported  
Inert Material Id: Not reported  
Filled In Place: False  
Material Construction: Double Wall Steel  
Emergency Power Gen: False

Tank Num: 19744  
In Use: True  
Tank Type: 1  
Tank Brand Id: Not reported  
Inert Material Id: Not reported  
Filled In Place: False  
Material Construction: Double Wall Steel  
Emergency Power Gen: False

Tank Num: 44842  
In Use: False  
Tank Type: 1  
Tank Brand Id: 3  
Inert Material Id: Not reported  
Filled In Place: False  
Material Construction: Steel Int. Lined with Fiberglass  
Emergency Power Gen: False

Tank Num: 44843  
In Use: False  
Tank Type: 1  
Tank Brand Id: 3  
Inert Material Id: Not reported  
Filled In Place: False  
Material Construction: Steel Int. Lined with Fiberglass  
Emergency Power Gen: False

IA Financial Assurance 1:

Facility ID: 198606554  
Insurers Name: CASEY S MARKETING CO  
Policy End Date: 08/20/2015  
Site Status: Not reported  
Financial Code: 01  
Policy Number: Not reported  
Policy Start Date: 08/20/2014

**B9**  
**North**  
**> 1**  
**3.022 mi.**  
**15956 ft.**

**CASEY'S GENERAL STORE #1028**  
**75 MAIN ST**  
**MIDDLETOWN, IA 52638**  
**Site 2 of 4 in cluster B**

**FINDS 1011279186**  
**N/A**

**Relative:**  
**Higher**

FINDS:

Registry ID: 110036376034

**Actual:**  
**723 ft.**

Environmental Interest/Information System  
IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor  
Documentation) provides information about existing emission factors

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number  
EPA ID Number

**B10** IOWA ARMY NATIONAL GUARD  
**North** 16815 HWY 34  
**> 1** MIDDLETOWN, IA 52638  
**3.028 mi.**  
**15986 ft.** Site 3 of 4 in cluster B

**IA SPILLS** S111004876  
**IA AIRS** N/A

**Relative:**  
**Higher**

**SPILL:**

**Actual:**  
**727 ft.**

Facility ID: 052411-AHB-1021  
Reported Date: 05/24/2011  
Reported Time: 10:21:00  
Taken By: Not reported  
Spill Date: Not reported  
Spill Time: Not reported  
6 hr Letter: Not reported  
Continuous Release: Not reported  
Incident Location: Not reported  
Incident Mode: Not reported  
Incident Type: Not reported  
Incident Medium Land: Not reported  
Incident Medium Water: Not reported  
Incident Medium Air: Not reported  
Field Office: 6  
Company Name: Neumann Brothers, Inc.  
Company Address1: 1435 Ohio Street  
Company Address2: PO Box 1315  
Company City/State/Zip: Des Moines, IA 50305  
Company Phone: (515)2430156  
Company Fax No: ()  
Company Start Date: 05/24/2011  
Company End Date: Not reported  
Company Contact Name: Bob Harmon  
Contact Address1: 1435 Ohio Street  
Company Contact Address2: PO Box 1315  
Company Contact City/State/Zip: Des Moines, IA 50305  
Company Contact Phone: (515)2430156  
Company Contact Fax No: ()  
Company Contact Start Date: 05/24/2011  
Company Contact End Date: Not reported  
Initial Instructions: Not reported  
Events: Not reported

**AIRS:**

Facility Number: 29-05-004  
Status: Minor  
Closed?: No  
Region: East  
Contact Name: Mr. Harlan Radcliff  
Contact Phone: (515) 252-4396  
Facility Contact Phone: Not reported  
Mailing Address: 7105 NW 70TH  
Mailing Address 2: Not reported  
Mailing City,St,Zip: JOHNSTON, IA 50131-  
SIC Primary: Not reported  
NAICS Primary: Not reported

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
<b>B11</b> North > 1 3.037 mi. 16034 ft.	<b>MIDDLETOWN POST OFFICE</b> 229 UNITED STATES HIGHWAY 34 MIDDLETOWN, IA 52638  Site 4 of 4 in cluster B	<b>FINDS</b>	<b>1011292458</b> N/A
<b>Relative: Higher</b>	<b>FINDS:</b>  Registry ID: 110036360700  Environmental Interest/Information System IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors		
<b>Actual: 727 ft.</b>			
<b>C12</b> South > 1 3.046 mi. 16081 ft.	<b>MABEUS LEROY(WEVER)</b> 3389 OLD QUARRY RD WEVER, IA 52658  Site 1 of 2 in cluster C	<b>FINDS</b>	<b>1015911216</b> N/A
<b>Relative: Higher</b>	<b>FINDS:</b>  Registry ID: 110045333741  Environmental Interest/Information System IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors		
<b>Actual: 680 ft.</b>			
<b>C13</b> South > 1 3.046 mi. 16081 ft.	<b>LEROY MABEUS</b> 3389 OLD QUARRY RD WEVER, IA  Site 2 of 2 in cluster C	<b>IA AST</b>	<b>A100372476</b> N/A
<b>Relative: Higher</b>	<b>AST:</b> Key: 1034 Facility County Code: Not reported Owners Name: LEROY MABEUS Owners Address: 3389 OLD QUARRY RD Owners City,St,Zip: Wever, IA 52658  Tank Key Num: Not reported Registration Number: 16248 Year Of Manufacture (age): Not reported Size: 10000 Type: Not reported Contents: Diesel Low Sulfur Plan Date: Not reported Registration Date: Not reported Plan Number: Not reported Out of Service Date: Not reported Amount Received: Not reported Date Received: Not reported		
<b>Actual: 680 ft.</b>			



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**D14**      **FORMER GAS STATION**  
**North**    **105 MECHANIC STREET**  
**> 1**        **MIDDLETOWN, IA 52638**  
**3.047 mi.**  
**16087 ft.**    **Site 1 of 4 in cluster D**

**IA LUST**    **S106059092**  
**N/A**

**Relative:**  
**Higher**

LUST:

**Actual:**  
**727 ft.**

Facility ID:	5813
Spill Number:	Not reported
Occur Date:	Not reported
Discover Date:	Not reported
Discover Time:	Not reported
Record Date:	09/08/2000
Leak Number:	9LTJ03
Loc ID:	62517
Ust ID:	480
Latitude:	40.82735
Longitude:	-91.25840
Start Date:	09/11/2000
Spill Date:	Not reported
Date Occurred Time:	Not reported
Lead ID:	5
Coordinator ID:	11
Staff ID:	25
Discover Method ID:	0
Leak Status:	0
Tanks Removed:	0
Created Date:	01/08/2007
Created By:	migration
Last Changed:	09/11/2008
Changed By:	tammy.vander_bloemen

Lust Status:

ID:	5820
Site Leak Number:	9LTJ03
Discovered During:	Other
Tanks Removed:	Not reported
Leak Cause:	Not reported
Gas:	Not reported
Diesel:	Not reported
Oil:	Not reported
Kerosene:	Not reported
Released Fuel Oil:	Not reported
Released Hydraulic Oil:	Not reported
Released Other Petroleum:	Not reported
Released Unknown:	Yes
Released Non_Petroleum Chemical:	Not reported
Gallons Released:	Not reported
Leak Status:	Unknown
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER GAS STATION (Continued)**

**S106059092**

Res Toxic Vapor:	Not reported
Res Explosive Vapor:	Not reported
Res Other:	Not reported
Res Impacted Soil:	Yes
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 Administration:	
ID:	5818
Owner Identified:	No
Responsible Party Found:	No
RP Date:	Not reported
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:	0
CR End Date:	Not reported
Memo:	Not reported

Lust 28e:	
Counter:	963
Staff Initials:	TMV
Type:	CONTRACTOR LIST
County:	DES MOINES
Part Of State:	EASTERN
Priority Number:	Not reported
Reason:	Tier 1
Responsible Party:	RECALCITRANT

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER GAS STATION (Continued)**

**S106059092**

RFP No: Not reported  
Removed: False  
Date Removed: Not reported  
Field Office: 0  
Newlist: False  
State Lead: Prospective  
Access Letter Mailed: Not reported  
Owner Signed Access: Not reported  
Signed Access to Contractor: Not reported  
Contractor Signed Access: Not reported  
Final Access Mailed: Not reported  
NFR: Not reported  
Start Date: Not reported  
Memo: 03/03/06: Prospective List (ka).

**Lust Track:**

ID: 5897  
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: Not reported  
Cleanup Complete Date: Not reported  
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: Not reported  
Risk Classification -NFA: False  
Class - Low Risk: False  
Class - High Risk: False  
Lust Current: Not Classified  
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

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**FORMER GAS STATION (Continued)**

**S106059092**

<p>T2 SW General Use:          T2 SW Designated Use:          T2 Soil Leaching to GW:          T2 Soil Vapor to Enclosed Space:          T2 Soil to Plastic Line:          Institutional Control Obtained:          NFA Certificate Sent:  <b>No Action Required:</b>          Priority Ranking:          Delete:          Track Memo:</p>	<p>Not reported          Not reported          Not reported          Not reported          Not reported          False          Not reported  <b>False</b>          Not reported          False          09/12/00: Sent ltr to Janet requesting real estate abstract green card dated 09/15/00 for Janet's letter and letter to Conoco green card for Conoco dated 09/18/00 requesting tank information according to assessor this was a Conoco station until the mid 1950's than a beauty parlor. Trying to determine an RP maybe ILO tvb10/02/00: Rec'd ltr from Conoco their records show they have never owned, leased or had any interest in this property tvb.10/17/00: Rec'd ltr from Janet Bowers provided abstract pages and has no intention of doing anything tvb11/15/00: Discussed at staff meeting review abstract and discuss with DW.04/27/06: Discussed at Special Projects meeting. Decision: Karen Anderson to call Janet Bowers and encourage her to apply for ILO Fund (ka).05/02/06: Karen Anderson called Janet Bowers and explained ILO Fund. Janet concerned it will cost her a lot of \$\$\$. Karen explained to Janet she is only resp for assessment. Based on Blue Chip decision, she is not responsible for cleanup. Referred her to Lacey Skaliky and Neil S for ILO app (ka).05/08/06: Karen A. called Janet Bowers to explain that because she has a unregistered site, she likely will not need documentation to be accepted into ILO Fund (ka).06/30/06: Karen A. called Neil Searcy and learned that Janet Bowers had not yet filed ILO claim. Called Janet an explained that she does not have to provide documentation for ILO Fund and, if eligible, she will receive up to \$20,000 for assessment. Explained she does not have to do clean up. Mailed Janet a copy of Blue Chipp letter and another ILO form (ka).</p>
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**D15**  
**North**  
 > 1  
**3.047 mi.**  
**16087 ft.**  
  
**Relative:**  
**Higher**  
  
**Actual:**  
**727 ft.**

**FORMER GAS STATION**  
**105 MECHANIC STREET**  
**MIDDLETOWN, IA**  
  
**Site 2 of 4 in cluster D**

**IA RGA LUST**    **S116260600**  
**N/A**

RGA LUST:

2012	FORMER GAS STATION	105 MECHANIC STREET
2011	FORMER GAS STATION	105 MECHANIC STREET
2009	FORMER GAS STATION	105 MECHANIC STREET
2007	FORMER GAS STATION	105 MECHANIC STREET
2006	FORMER GAS STATION	105 MECHANIC STREET
2005	FORMER GAS STATION	105 MECHANIC STREET
2004	FORMER GAS STATION	105 MECHANIC STREET
2003	FORMER GAS STATION	105 MECHANIC STREET

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**D16**      **FORMER GAS STATION**  
**North**    **105 MECHANIC STREET**  
**> 1**        **MIDDLETOWN, IA 52638**  
**3.047 mi.**  
**16087 ft.**    **Site 3 of 4 in cluster D**

**FINDS**    **1011291793**  
                  **N/A**

**Relative:**  
**Higher**

FINDS:

Registry ID:                    110036345504

**Actual:**  
**727 ft.**

Environmental Interest/Information System  
 IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor  
 Documentation) provides information about existing emission factors

**E17**        **LIL JENNY'S QUICK #715**  
**North**     **17301 STATE HWY 79**  
**> 1**        **MIDDLETOWN, IA 52638**  
**3.077 mi.**  
**16249 ft.**    **Site 1 of 2 in cluster E**

**IA LUST**    **U004134318**  
**IA UST**     **N/A**

**Relative:**  
**Higher**

LUST:

Facility ID:                    4411  
 Spill Number:                Not reported  
 Occur Date:                   Not reported  
 Discover Date:                09/05/1987  
 Discover Time:                1:00 PM  
 Record Date:                 10/28/1988  
 Leak Number:                 7LTX53  
 Loc ID:                         66855  
 Ust ID:                         9580  
 Latitude:                      40.82688  
 Longitude:                    -91.26343  
 Start Date:                    10/28/1988  
 Spill Date:                    Not reported  
 Date Occurred Time:        1:00 PM  
 Lead ID:                        5  
 Coordinator ID:               11  
 Staff ID:                       Not reported  
 Discover Method ID:         0  
 Leak Status:                  0  
 Tanks Removed:              0  
 Created Date:                 01/08/2007  
 Created By:                   migration  
 Last Changed:                06/05/2012  
 Changed By:                   bonnie.garrison@dnr.iowa.gov

Lust Status:

ID:                                4413  
 Site Leak Number:            7LTX53  
 Discovered During:         Other  
 Tanks Removed:              0  
 Leak Cause:                   UNKNOWN  
 Gas:                             Yes  
 Diesel:                         Not reported  
 Oil:                              Not reported  
 Kerosene:                     Not reported  
 Released Fuel Oil:            Not reported  
 Released Hydraulic Oil:     Not reported  
 Released Other Petroleum:   Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LIL JENNY'S QUICK #715 (Continued)**

**U004134318**

Released Unknown:	Not reported
Released Non_Petroleum Chemical:	Not reported
Gallons Released:	000000000000
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:	Not reported
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
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Lust HICA:

Leak Number:	7LTX53
Registration Number:	198609477
Date CorrectiveActionDesign Report(CADR) Rec:	Not reported
Date CADR Due:	Not reported
Date CADR Approved:	12/03/2003
Date CADR Rejected:	Not reported
Date CADR Remediation Started:	06/21/2004
Date CADR Remediation Completed:	Not reported
Staff CADR Reviewed By:	Not reported



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LIL JENNY'S QUICK #715 (Continued)**

**U004134318**

Lust Misc:

Misc Due Date:	Not reported	Misc Rec Date:	07/27/2000
Misc Other:	Not reported	Misc Title:	MTBE WORKSHEET & DISK
Misc Due Date:	02/27/2003	Misc Rec Date:	Not reported
Misc Other:	Not reported	Misc Title:	Expedited CA Rpt
Misc Due Date:	Not reported	Misc Rec Date:	01/13/2004
Misc Other:	Not reported	Misc Title:	MTBE WORKSHEET & DISK
Misc Due Date:	Not reported	Misc Rec Date:	04/04/2005
Misc Other:	Not reported	Misc Title:	MTBE WORKSHEET & DISK
Misc Due Date:	Not reported	Misc Rec Date:	02/28/2006
Misc Other:	Not reported	Misc Title:	MTBE WORKSHEET & DISK
Misc Due Date:	Not reported	Misc Rec Date:	11/29/2006
Misc Other:	Not reported	Misc Title:	MTBE WORKSHEET & DISK

Lust Remediation:

Heat Treatment:	False
Land Application:	True
On Site:	False
Achieved Over-Excavation:	True
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:	True
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 Free Product Recovery:

FPR Report Assesment Due:	Not reported
FPR Report Received:	02/23/2000
FPR Report Accepted:	Not reported
FPR Report Rejected:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LIL JENNY'S QUICK #715 (Continued)**

**U004134318**

FPR Report Revised:	Not reported
FPR Report Assesment Due:	Not reported
FPR Report Received:	03/23/2000
FPR Report Accepted:	Not reported
FPR Report Rejected:	Not reported
FPR Report Revised:	Not reported
FPR Report Assesment Due:	Not reported
FPR Report Received:	04/24/2000
FPR Report Accepted:	Not reported
FPR Report Rejected:	Not reported
FPR Report Revised:	Not reported
FPR Report Assesment Due:	Not reported
FPR Report Received:	12/21/2000
FPR Report Accepted:	Not reported
FPR Report Rejected:	Not reported
FPR Report Revised:	Not reported
FPR Report Assesment Due:	Not reported
FPR Report Received:	06/14/1999
FPR Report Accepted:	Not reported
FPR Report Rejected:	Not reported
FPR Report Revised:	Not reported
FPR Report Assesment Due:	Not reported
FPR Report Received:	05/19/2000
FPR Report Accepted:	Not reported
FPR Report Rejected:	Not reported
FPR Report Revised:	Not reported
FPR Report Assesment Due:	Not reported
FPR Report Received:	06/20/2000
FPR Report Accepted:	Not reported
FPR Report Rejected:	Not reported
FPR Report Revised:	Not reported
FPR Report Assesment Due:	Not reported
FPR Report Received:	07/24/2000
FPR Report Accepted:	Not reported
FPR Report Rejected:	Not reported
FPR Report Revised:	Not reported
FPR Report Assesment Due:	Not reported
FPR Report Received:	09/06/2000
FPR Report Accepted:	Not reported
FPR Report Rejected:	Not reported
FPR Report Revised:	Not reported
FPR Report Assesment Due:	Not reported
FPR Report Received:	09/26/2000
FPR Report Accepted:	Not reported
FPR Report Rejected:	Not reported
FPR Report Revised:	Not reported
FPR Report Assesment Due:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

LIL JENNY'S QUICK #715 (Continued)

U004134318

FPR Report Received: 10/24/2000  
FPR Report Accepted: Not reported  
FPR Report Rejected: Not reported  
FPR Report Revised: Not reported

FPR Report Assesment Due: Not reported  
FPR Report Received: 07/23/1999  
FPR Report Accepted: Not reported  
FPR Report Rejected: Not reported  
FPR Report Revised: Not reported

FPR Report Assesment Due: Not reported  
FPR Report Received: 08/25/1999  
FPR Report Accepted: Not reported  
FPR Report Rejected: Not reported  
FPR Report Revised: Not reported

FPR Report Assesment Due: Not reported  
FPR Report Received: 10/18/1999  
FPR Report Accepted: Not reported  
FPR Report Rejected: Not reported  
FPR Report Revised: Not reported

FPR Report Assesment Due: Not reported  
FPR Report Received: 11/16/1999  
FPR Report Accepted: Not reported  
FPR Report Rejected: Not reported  
FPR Report Revised: Not reported

FPR Report Assesment Due: Not reported  
FPR Report Received: 12/09/1999  
FPR Report Accepted: Not reported  
FPR Report Rejected: Not reported  
FPR Report Revised: Not reported

FPR Report Assesment Due: Not reported  
FPR Report Received: 01/21/2000  
FPR Report Accepted: Not reported  
FPR Report Rejected: Not reported  
FPR Report Revised: Not reported

Lust Tier 2 Report:  
T2 Assesment Due: 02/15/2001  
T2 Received: 02/05/2001  
T2 Accepted: 03/16/2001  
T2 Rejected: Not reported  
T2 Reviewed: VKS

T2 Assesment Due: Not reported  
T2 Received: 11/29/2006  
T2 Accepted: Not reported  
T2 Rejected: Not reported  
T2 Reviewed: Not reported

T2 Assesment Due: 07/23/2000  
T2 Received: 07/27/2000  
T2 Accepted: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

LIL JENNY'S QUICK #715 (Continued)

U004134318

T2 Rejected:	10/06/2000
T2 Reviewed:	VKS
Lust Administration:	
ID:	4413
Owner Identified:	Yes
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:	Not reported
CR End Date:	Not reported
Memo:	Not reported
Lust Track:	
ID:	4413
Site Assesment Start Date:	04/26/1991
Free Product Recvry End Date:	07/14/2000
FP Letter Sent Date:	04/29/1999
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:	1994-03-08
Cleanup Complete Date:	Not reported
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:	2001-03-16
Risk Classification -NFA:	False
Class - Low Risk:	False
Class - High Risk:	True
Lust Current:	High Risk
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

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**LIL JENNY'S QUICK #715 (Continued)**

**U004134318**

<p>T1 Surface Water:          T1 Soil Leaching to GW:          T1 Soil Vapor to Enclosed Space:          T1 Soil to Plastic Line:          Tier 2 Consultant Recommends:          T2 Actual GW Ingestion:          T2 Poten GW Ingestion from Protected GW:          T2 Poten GW Ingestion from Protected GW:          T2 GW Vapor to Enclosed Space:          T2 GW to Plastic Water Line:          T2 SW General Use:          T2 SW Designated Use:          T2 Soil Leaching to GW:          T2 Soil Vapor to Enclosed Space:          T2 Soil to Plastic Line:          Institutional Control Obtained:          NFA Certificate Sent:  <b>No Action Required:</b>          Priority Ranking:          Delete:          Track Memo:</p>	<p>False          False          False          False          Low Risk          NFA          NFA          NFA          High Risk          NFA          NFA          NFA          High Risk          Low Risk          NFA          False          Not reported  <b>False</b>          4          False          04/26/91: AO ISSUED. CNSLT DUE 5/26/91. SAAR DUE 7/26/91.07/31/91: SAAR REC'D.09/14/92: FILE REV/SCR LTR SNT. REC'D 9/16. SCR DUE 1/16/93.03/07/94: REV OF SCR, ACCEPT HIGH RISK, CADR DUE 5/8/94.04/22/97: T1 LTR SNT. REC'D 4/23. CNSLT = 5/23. T1 SAR = 7/23/97.09/30/97: PER K&amp;G SCHED T2 = 7/16/99.04/29/99: FP ltr snt. Rec'd 4/30. assess rpt = 6/14/99.06/15/99: T2 due date of 3/10/00 per Seneca schedule.06/22/00: T2 ICPUF te form rec'd. T2 = 7/23/00.07/14/00: Ok to cease FP recovery ltr snt.07/27/00: REC'D TIER 2 REPORT &amp; DISK. MTBE WORKSHEET &amp; DISK.10/06/00: T2 rev ltr snt. Rej. Rec'd 10/13. Revised T2 = 1/12/01.01/18/01: Schedule from Seneca indicates T2 will be submitted 2/15/01.02/05/01: REC'D REVISED TIER 2 REPORT &amp; DISK.03/16/01: Revsd T2 rev ltr snt. Ok hi. Rec'd 3/20. CADR = 7/23/01.01/17/02: GAB APPROVES SMR TO RECLASSIFY BUDGET.08/07/02: SENT OD SMR TO RECLASSIFY LETTER. SMR TO RECLASSIFY = 8/22/02.08/21/02: REC'D SMR. Request NOT made for re-classif. GW vapor well failed.11/13/02: SEND OD CADR LETTER. CADR = 11/27/02. (GREEN CARD DATED 11/15/02).02/14/03: REC'D SMR &amp; SMR DISK. Reqst for re-classif NOT made.02/21/03: TE granted until 3/28/03 for T3 Work Plan.05/16/03: REC'D TIER 3 WORK PLAN.07/16/03: Sent Tier 3, 8/21/02 SMR, &amp; 2/14/03 SMR review letter. Rejected Tier 3. Numerous deficiencies in SMRs require correction. Vapor smplng failed at GW source, soil source, &amp; APC. Require a CADR. GC 7/21. CADR due 09/30/03. --kw12/02/03: REC'D TE RQST FOR OE. DUE DATE = 2/27/04 FOR OE RPT.12/03/03: OE TE ltr snt. Rec'd 12/5. OE rpt = 2/27/04.01/13/04: REC'D SMR. SMR DISK. MTBE WORKSHEET &amp; DISK. HR: INTERIM MONITORING. Bsg03/11/04: Rec'd E-mail OE TE reqst. Placed in file w/no rspns re 12/3/03 TE reqst saying no more TEs granted.04/20/04: REC'D LAND APPLICATION NOTIFICATION FORM. Bsg06/21/04: REC'D SOIL EXCAVATION REPORT. Bsg04/04/05: REC'D SMR. SMR SOFTWARE DISK. HR: INTERIM. MTBE WORKSHEET &amp; DISK. bsg02/28/06: REC'D SMR. SITE RECLASSIFICATION RECOMMENDED FROM HR: INTERIM TO LR. TIER 2 SMR SOFTWARE DISK. MTBE WORKSHEET &amp; DISK.</p>
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Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

LIL JENNY'S QUICK #715 (Continued)

U004134318

Bsg06/06/06: Feb 06 Remed SMR rev ltr snt. Rej. Rec'd  
6/8/06. Revsns with next Remed SMR rpt = 10/31/06.11/29/06:  
REC'D SMR. SITE RECLASSIFICATION RECOMMENDED FROM HR:  
INTERIM TO LR. TIER 2 SMR SOFTWARE DISK. MTBE WORKSHEET &  
DISK. REVISED TIER 2 REPORT. LR. Bsg

UST:

Facility Id: 9580  
Loc Id: 9580  
Registration: 198609477  
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: 05/01/1986  
Created By: migration  
Created Date: 01/08/2007  
Changed By: migration  
Last Changed: 01/08/2007  
Latitude: 40.82688  
Longitude: -91.26343

Tank Info:

Tank Num: 28696  
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: 28697  
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: 28698  
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: 28699  
In Use: False  
Tank Type: 1  
Tank Brand Id: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

LIL JENNY'S QUICK #715 (Continued)

U004134318

Inert Material Id: Not reported  
Filled In Place: Not reported  
Material Construction: Double Wall Steel  
Emergency Power Gen: Not reported

E18  
North  
> 1  
3.077 mi.  
16249 ft.

LIL JENNY'S QUICK #715  
17301 STATE HWY 79  
MIDDLETOWN, IA 52638

FINDS 1011288961  
N/A

Site 2 of 2 in cluster E

Relative:  
Higher

FINDS:

Registry ID: 110036343908

Actual:  
727 ft.

Environmental Interest/Information System  
IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor  
Documentation) provides information about existing emission factors

D19  
North  
> 1  
3.091 mi.  
16322 ft.

MIDDLETOWN WATER SUPPLY  
DES MOINES (County), IA

FINDS 1008037784  
N/A

Site 4 of 4 in cluster D

Relative:  
Higher

FINDS:

Registry ID: 110013110472

Actual:  
727 ft.

Environmental Interest/Information System  
COMMUNITY WATER SYSTEM

F20  
NNW  
> 1  
3.111 mi.  
16424 ft.

BUILDING 3A70-1  
MIDDLETOWN, IA

IA SPILLS S106597799  
N/A

Site 1 of 65 in cluster F

Relative:  
Higher

SPILL:

Facility ID: 09187-SD-0814  
Reported Date: 09/18/1997  
Reported Time: 8:14:00 AM  
Taken By: SUSAN DIXON  
Spill Date: 09/18/1997  
Spill Time: 7:38:00 AM  
6 hr Letter: No  
Continuous Release: No  
Incident Location: Not reported  
Incident Mode: Handling And Storage  
Incident Type: Other Chemical  
Incident Medium Land: Yes  
Incident Medium Water: No

Actual:  
720 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S106597799

Incident Medium Air: No  
Field Office: Not reported  
Company Name: Not reported  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported  
Company Contact City/State/Zip: Not reported  
Company Contact Phone: Not reported  
Company Contact Fax No: Not reported  
Company Contact Start Date: Not reported  
Company Contact End Date: Not reported  
Initial Instructions: Not reported  
Events: A storage tank was overfilled and approx. 50 gals. of red water spilled on concrete and the ground.

F21  
NNW  
> 1  
3.111 mi.  
16424 ft.

IOWA ARMY AMMUNITION PLANT - BUILDING 3A051  
MIDDLETOWN, IA  
Site 2 of 65 in cluster F

IA SPILLS S107151267  
N/A

Relative:  
Higher

SPILL:  
Facility ID: 01049-PB-0822  
Reported Date: 01/04/1999  
Reported Time: 8:22:00 AM  
Taken By: PAUL BRANDT  
Spill Date: 01/04/1999  
Spill Time: 8:02:00 AM  
6 hr Letter: No  
Continuous Release: No  
Incident Location: Not reported  
Incident Mode: Handling And Storage  
Incident Type: Other Chemical  
Incident Medium Land: Yes  
Incident Medium Water: No  
Incident Medium Air: No  
Field Office: Not reported  
Company Name: Not reported  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported  
Company Contact City/State/Zip: Not reported  
Company Contact Phone: Not reported  
Company Contact Fax No: Not reported

Actual:  
720 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S107151267

Company Contact Start Date: Not reported  
Company Contact End Date: Not reported  
Initial Instructions: Not reported  
Events: A "snival" unit on line 3A malfunctioned and overflowed. About 15 gallons of red water spilled to ground outside of building.

F22  
NNW  
> 1  
3.111 mi.  
16424 ft.

IOWA ARMY AMMUNITION PLANT, HWY 79  
MIDDLETOWN, IA, IA

IA SPILLS S106596232  
N/A

Site 3 of 65 in cluster F

Relative:  
Higher

SPILL:

Actual:  
720 ft.

Facility ID: 05269-DLP-1703  
Reported Date: 05/26/1999  
Reported Time: Not reported  
Taken By: DAVID PERRY  
Spill Date: 05/26/1999  
Spill Time: Not reported  
6 hr Letter: No  
Continuous Release: No  
Incident Location: Not reported  
Incident Mode: Handling And Storage  
Incident Type: Other  
Incident Medium Land: Yes  
Incident Medium Water: No  
Incident Medium Air: No  
Field Office: Not reported  
Company Name: Not reported  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported  
Company Contact City/State/Zip: Not reported  
Company Contact Phone: Not reported  
Company Contact Fax No: Not reported  
Company Contact Start Date: Not reported  
Company Contact End Date: Not reported  
Initial Instructions: Not reported  
Events: Spill of an estimated 5 gallons of "pink water from Bldg. 3051.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**F23**  
**NNW**  
 > 1  
 3.111 mi.  
 16424 ft.

**IOWA ARMY AMMUNITION PLANT**  
**MIDDLETOWN, IA, IA**

**IA SPILLS**    **S106596732**  
 N/A

**Site 4 of 65 in cluster F**

**Relative:**  
**Higher**

**SPILL:**

Facility ID: 06299-DLP-1400  
 Reported Date: 06/29/1999  
 Reported Time: Not reported  
 Taken By: DAVID PERRY  
 Spill Date: 06/29/1999  
 Spill Time: Not reported  
 6 hr Letter: No  
 Continuous Release: No  
 Incident Location: Not reported  
 Incident Mode: Handling And Storage  
 Incident Type: Other  
 Incident Medium Land: Yes  
 Incident Medium Water: No  
 Incident Medium Air: No  
 Field Office: Not reported  
 Company Name: Not reported  
 Company Address1: Not reported  
 Company Address2: Not reported  
 Company City/State/Zip: Not reported  
 Company Phone: Not reported  
 Company Fax No: Not reported  
 Company Start Date: Not reported  
 Company End Date: Not reported  
 Company Contact Name: Not reported  
 Contact Address1: Not reported  
 Company Contact Address2: Not reported  
 Company Contact City/State/Zip: Not reported  
 Company Contact Phone: Not reported  
 Company Contact Fax No: Not reported  
 Company Contact Start Date: Not reported  
 Company Contact End Date: Not reported  
 Initial Instructions: Not reported  
 Events: Sump basket overflowed allowing pink water to discharge onto the grounds surface.

**Actual:**  
**720 ft.**

**F24**  
**NNW**  
 > 1  
 3.111 mi.  
 16424 ft.

**STATE HWY 79, NEAR MIDDLETOWN, IA**  
**MIDDLETOWN, IA**

**IA SPILLS**    **S106594756**  
 N/A

**Site 5 of 65 in cluster F**

**Relative:**  
**Higher**

**SPILL:**

Facility ID: 01289-DLP-1735  
 Reported Date: 01/28/1999  
 Reported Time: 5:35:00 PM  
 Taken By: DAVID PERRY  
 Spill Date: 01/28/1999  
 Spill Time: Not reported  
 6 hr Letter: No  
 Continuous Release: No  
 Incident Location: Not reported  
 Incident Mode: Handling And Storage  
 Incident Type: Other

**Actual:**  
**720 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S106594756

Incident Medium Land: Yes  
Incident Medium Water: No  
Incident Medium Air: No  
Field Office: Not reported  
Company Name: Not reported  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported  
Company Contact City/State/Zip: Not reported  
Company Contact Phone: Not reported  
Company Contact Fax No: Not reported  
Company Contact Start Date: Not reported  
Company Contact End Date: Not reported  
Initial Instructions: Not reported  
Events: Reported tank overflow. 50 gallons of red water flowed onto the facility grounds. Waters of the state were reportedly not involved.

F25  
NNW  
> 1  
3.111 mi.  
16424 ft.

IOWA ARMY AMMUNITION PLANT, BY ROUND HOUSE  
MIDDLETOWN, IA  
Site 6 of 65 in cluster F

IA SPILLS S106594874  
N/A

Relative:  
Higher

SPILL:

Actual:  
720 ft.

Facility ID: 02127-PB-1500  
Reported Date: 02/12/1997  
Reported Time: 3:00:00 PM  
Taken By: PAUL BRANDT  
Spill Date: 02/10/1997  
Spill Time: 7:30:00 AM  
6 hr Letter: No  
Continuous Release: No  
Incident Location: Not reported  
Incident Mode: Handling And Storage  
Incident Type: Petroleum  
Incident Medium Land: Yes  
Incident Medium Water: No  
Incident Medium Air: No  
Field Office: Not reported  
Company Name: Not reported  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported  
Company Contact City/State/Zip: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S106594874

Company Contact Phone: Not reported  
Company Contact Fax No: Not reported  
Company Contact Start Date: Not reported  
Company Contact End Date: Not reported  
Initial Instructions: Not reported  
Events: Diesel fuel stored in 30,000 gal. above ground storage tank sitting within an earthen berm. Yesterday, personnel noticed about 2 gals. of fuel on ground where distribution piping entered ground

F26  
NNW  
> 1  
3.111 mi.  
16424 ft.

IOWA ARMY AMMUNITION PLANT  
MIDDLETOWN, IA  
Site 7 of 65 in cluster F

IA SPILLS S106594574  
N/A

Relative:  
Higher

SPILL:

Actual:  
720 ft.

Facility ID: 01049-SD-1322  
Reported Date: 01/04/1999  
Reported Time: 1:22:00 PM  
Taken By: SUSAN DIXON  
Spill Date: 01/04/1999  
Spill Time: 12:50:00 PM  
6 hr Letter: No  
Continuous Release: No  
Incident Location: Not reported  
Incident Mode: Handling And Storage  
Incident Type: Other  
Incident Medium Land: Yes  
Incident Medium Water: No  
Incident Medium Air: No  
Field Office: Not reported  
Company Name: Not reported  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported  
Company Contact City/State/Zip: Not reported  
Company Contact Phone: Not reported  
Company Contact Fax No: Not reported  
Company Contact Start Date: Not reported  
Company Contact End Date: Not reported  
Initial Instructions: Not reported  
Events: A sump overflowed and spilled the red water on the ground.



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

F27  
NNW  
> 1  
3.111 mi.  
16424 ft.

IOWA ARMY AMMUNITIONS PLANT, IN LINE 1, BUILD. 150  
MIDDLETOWN, IA

IA SPILLS S106595265  
N/A

Site 8 of 65 in cluster F

Relative:  
Higher

SPILL:

Actual:  
720 ft.

Facility ID: 03277-SM-0826  
Reported Date: 03/27/1997  
Reported Time: 8:26:00 AM  
Taken By: SUSAN MILLARD  
Spill Date: 03/27/1997  
Spill Time: 8:20:00 AM  
6 hr Letter: No  
Continuous Release: No  
Incident Location: Not reported  
Incident Mode: Handling And Storage  
Incident Type: Other  
Incident Medium Land: Yes  
Incident Medium Water: No  
Incident Medium Air: No  
Field Office: Not reported  
Company Name: Not reported  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported  
Company Contact City/State/Zip: Not reported  
Company Contact Phone: Not reported  
Company Contact Fax No: Not reported  
Company Contact Start Date: Not reported  
Company Contact End Date: Not reported  
Initial Instructions: Not reported  
Events: Old and rotted asbestos fell off of a pipe that was outside building 150. It fell on the ground.

F28  
NNW  
> 1  
3.111 mi.  
16424 ft.

IOWA ARMY AMMUNITION PLANT  
MIDDLETOWN, IA, IA

IA SPILLS S106594951  
N/A

Site 9 of 65 in cluster F

Relative:  
Higher

SPILL:

Actual:  
720 ft.

Facility ID: 02209-DLP-0940  
Reported Date: 02/20/1999  
Reported Time: Not reported  
Taken By: DAVID PERRY  
Spill Date: 02/20/1999  
Spill Time: Not reported  
6 hr Letter: No  
Continuous Release: No  
Incident Location: Not reported  
Incident Mode: Handling And Storage  
Incident Type: Other

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S106594951

Incident Medium Land: Yes  
Incident Medium Water: No  
Incident Medium Air: No  
Field Office: Not reported  
Company Name: Not reported  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported  
Company Contact City/State/Zip: Not reported  
Company Contact Phone: Not reported  
Company Contact Fax No: Not reported  
Company Contact Start Date: Not reported  
Company Contact End Date: Not reported  
Initial Instructions: Not reported  
Events: A sump failed resulting in the release of 10 gallons of pink water to the ground.

F29  
NNW  
> 1  
3.111 mi.  
16424 ft.

IOWA ARMY AMMUNITION PLANT, BUILDING 3-70-1  
MIDDLETOWN, IA

IA SPILLS S106594938  
N/A

Site 10 of 65 in cluster F

Relative:  
Higher

SPILL:

Actual:  
720 ft.

Facility ID: 02197-SM-1720  
Reported Date: 02/19/1997  
Reported Time: 5:20:00 PM  
Taken By: SUSAN MILLARD  
Spill Date: 02/19/1997  
Spill Time: 4:21:00 PM  
6 hr Letter: No  
Continuous Release: No  
Incident Location: Not reported  
Incident Mode: Handling And Storage  
Incident Type: Other  
Incident Medium Land: Yes  
Incident Medium Water: No  
Incident Medium Air: No  
Field Office: Not reported  
Company Name: Not reported  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported  
Company Contact City/State/Zip: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**(Continued)**

**S106594938**

Company Contact Phone: Not reported  
 Company Contact Fax No: Not reported  
 Company Contact Start Date: Not reported  
 Company Contact End Date: Not reported  
 Initial Instructions: Not reported  
 Events: A truck hauling a dumpster containing the waste tipped over in the mud and resulted in the spillage of 350 gallons of K047 waste (TNT wastewater)

**F30  
 NNW  
 > 1  
 3.111 mi.  
 16424 ft.**

**IOWA ARMY AMMUNITIONS PLANT  
 MIDDLETOWN, IA**

**IA SPILLS S106595338  
 N/A**

**Site 11 of 65 in cluster F**

**Relative:  
 Higher**

**SPILL:**

**Actual:  
 720 ft.**

Facility ID: 04037-SM-1347  
 Reported Date: 04/03/1997  
 Reported Time: 1:47:00 PM  
 Taken By: SUSAN MILLARD  
 Spill Date: 04/03/1997  
 Spill Time: 1:30:00 PM  
 6 hr Letter: No  
 Continuous Release: No  
 Incident Location: Not reported  
 Incident Mode: Handling And Storage  
 Incident Type: Other  
 Incident Medium Land: Yes  
 Incident Medium Water: No  
 Incident Medium Air: No  
 Field Office: Not reported  
 Company Name: Not reported  
 Company Address1: Not reported  
 Company Address2: Not reported  
 Company City/State/Zip: Not reported  
 Company Phone: Not reported  
 Company Fax No: Not reported  
 Company Start Date: Not reported  
 Company End Date: Not reported  
 Company Contact Name: Not reported  
 Contact Address1: Not reported  
 Company Contact Address2: Not reported  
 Company Contact City/State/Zip: Not reported  
 Company Contact Phone: Not reported  
 Company Contact Fax No: Not reported  
 Company Contact Start Date: Not reported  
 Company Contact End Date: Not reported  
 Initial Instructions: Not reported  
 Events: An independent contractor, Millard Co., was excavating soil and hit and ruptured a wastewater line that carried "red water", a waste stream with traces of K-09 explosives.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**F31**  
**NNW** 17575 HWY 79  
**> 1** MIDDLETOWN, IA  
**3.111 mi.**  
**16427 ft.** Site 12 of 65 in cluster F

**IA SPILLS** S107670240  
N/A

**Relative:** SPILL:  
**Higher** Facility ID: 040506-MRH-0950  
Reported Date: 04/05/2006  
**Actual:** Reported Time: 9:50:00 AM  
**720 ft.** Taken By: Mark Heiderscheid  
Spill Date: 04/04/2006  
Spill Time: 1:00:00 PM  
6 hr Letter: No  
Continuous Release: No  
Incident Location: Not reported  
Incident Mode: Other  
Incident Type: Petroleum  
Incident Medium Land: Not reported  
Incident Medium Water: Not reported  
Incident Medium Air: Not reported  
Field Office: Not reported  
Company Name: Not reported  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported  
Company Contact City/State/Zip: Not reported  
Company Contact Phone: Not reported  
Company Contact Fax No: Not reported  
Company Contact Start Date: Not reported  
Company Contact End Date: Not reported  
Initial Instructions: See attached report.  
Events: See attached report.

**F32**  
**NNW** 17575 HWY. 79  
**> 1** MIDDLETOWN, IA  
**3.111 mi.**  
**16427 ft.** Site 13 of 65 in cluster F

**IA SPILLS** S106598141  
N/A

**Relative:** SPILL:  
**Higher** Facility ID: 10156-RK-1500  
Reported Date: 10/15/1996  
**Actual:** Reported Time: 3:00:00 PM  
**720 ft.** Taken By: RON KOZEL  
Spill Date: 10/15/1996  
Spill Time: 2:11:00 PM  
6 hr Letter: No  
Continuous Release: No  
Incident Location: Not reported  
Incident Mode: Handling And Storage  
Incident Type: Other  
Incident Medium Land: Yes

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

(Continued)

S106598141

Incident Medium Water: No  
 Incident Medium Air: No  
 Field Office: Not reported  
 Company Name: Not reported  
 Company Address1: Not reported  
 Company Address2: Not reported  
 Company City/State/Zip: Not reported  
 Company Phone: Not reported  
 Company Fax No: Not reported  
 Company Start Date: Not reported  
 Company End Date: Not reported  
 Company Contact Name: Not reported  
 Contact Address1: Not reported  
 Company Contact Address2: Not reported  
 Company Contact City/State/Zip: Not reported  
 Company Contact Phone: Not reported  
 Company Contact Fax No: Not reported  
 Company Contact Start Date: Not reported  
 Company Contact End Date: Not reported  
 Initial Instructions: Not reported  
 Events: A feed pipe into a recirculation tank plugged, and the material overflowed a sump tank and spilled onto the ground

F33  
 NNW  
 > 1  
 3.115 mi.  
 16448 ft.

**IOWA ARMY AMMUNITION PLANT**  
**17571 STATE HIGHWAY 79**  
**MIDDLETOWN, IA**

**IA RGA LUST** **S116262110**  
**N/A**

Site 14 of 65 in cluster F

Relative:  
 Higher

RGA LUST:

2012	IOWA ARMY AMMUNITION PLANT	17571 STATE HIGHWAY 79
2011	IOWA ARMY AMMUNITION PLANT	17571 STATE HIGHWAY 79
2009	IOWA ARMY AMMUNITION PLANT	17571 STATE HIGHWAY 79
2007	IOWA ARMY AMMUNITION PLANT	17571 STATE HIGHWAY 79
2006	IOWA ARMY AMMUNITION PLANT	17571 STATE HIGHWAY 79
2005	IOWA ARMY AMMUNITION PLANT	17571 STATE HIGHWAY 79
2004	IOWA ARMY AMMUNITION PLANT	17571 STATE HIGHWAY 79
2003	IOWA ARMY AMMUNITION PLANT	17571 STATE HIGHWAY 79

Actual:  
 720 ft.

F34  
 NNW  
 > 1  
 3.115 mi.  
 16448 ft.

**IOWA ARMY AMMUNITION PLANT**  
**17571 STATE HIGHWAY 79**  
**MIDDLETON, IA 52638**

**IA ALLSITES** **S109171649**  
**IA INST CONTROL** **N/A**  
**IA NPDES**  
**IA AIRS**

Site 15 of 65 in cluster F

Relative:  
 Higher

ALLSITES:

Site Id Number: 2312  
 Project Manager: Dan Cook  
 Ownership Type: Federal  
 Status: Open  
 Origin: Notified by Owner  
 Program: EPA Lead  
 Site Type: Federal

Actual:  
 720 ft.

INSTUTIONAL CONTROL:

Facility ID: 2312  
 Facility Type: Federal

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**S109171649**

Facility Status: Open  
Known Aliases: Not reported  
Inst Controls: Not reported  
Project Manager: Dan Cook  
Program: EPA Lead  
Ownere Type: Federal  
Origin: Notified by Owner

**NPDES:**

Permit Number: 2900900  
Epa Npdes Id Number: 0022144  
Permit Expiration Date: 03/20/2006  
Facility Name: IOWA ARMY AMMUNITION PLANT  
Facility Address1: 17571 HIGHWAY 79  
Facility City: MIDDLETOWN  
Facility Phone Number: (319)753-7724  
Facility Type: INDUSTRIAL  
Facility Class: MAJOR  
Standard Industrial Classification Code: 3489  
Owner Name: US DEPT OF THE ARMY  
Owner Add1: 17571 HIGHWAY 79  
Owner Add2: Not reported  
Owner City: MIDDLETOWN  
Owner State: IA  
Owner Zip: 52638-5000  
Owner Phone: (319)753-7724  
Indr Regional/Field Office Number: 6  
Section: 7  
Township: 69  
Range: 03  
Latitude Degree: 40.79404  
Longitude Degree: -91.24200  
River Basin: SKUNK RIVER BELOW THE NORTH SKUNK  
Type Of Treatment: TRICKLING FILTER  
Design Population Equivalent: Not reported  
Design Biochemical Oxygen Demand: Not reported  
Design Avg Dry Weather Flow (Mll Glns Per Dy): Not reported  
Design Avg Wet Weather Flow (Mll Glns Per Dy): Not reported  
Operator Certification Facility Type: Not reported  
Operator Certification Facility Grade: Not reported

**AIRS:**

Facility Number: 29-01-004  
Status: Not reported  
Closed?: Not reported  
Region: Not reported  
Contact Name: Not reported  
Contact Phone: Not reported  
Facility Contact Phone: Not reported  
Mailing Address: Not reported  
Mailing Address 2: Not reported  
Mailing City,St,Zip: Not reported  
SIC Primary: 9711  
NAICS Primary: 928110

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**F35**  
**NNW**  
 > 1  
 3.115 mi.  
 16448 ft.

**US ARMY IOWA ARMY AMMUNITION PLANT**  
 17571 HWY 79  
 MIDDLETOWN, IA 52638  
 Site 16 of 65 in cluster F

**TRIS** 1016054835  
 52638SRMYW17571

**Relative:**  
**Higher**

TRIS:

[Click this hyperlink](#) while viewing on your computer to access  
 4 additional US\_TRIS: record(s) in the EDR Site Report.

**F36**  
**NNW**  
 > 1  
 3.115 mi.  
 16448 ft.

**IOWA ARMY AMMUNITION PLANT CCR LANDFILL**  
 17571 STATE HWY 79  
 MIDDLETOWN, IA 52638  
 Site 17 of 65 in cluster F

**IA SWF/LF** S116287717  
**IA COAL ASH** N/A

**Relative:**  
**Higher**

SWF/LF:

**Actual:**  
**720 ft.**

Facility ID:	29-SDP-03-82
Facility Type:	Coal Combustion Residue Landfill
Permit Stage:	Operation Permit
Expiration Date:	1/6/2020
Project Officer:	Leat
Affiliation:	Design Engineer
Phone:	Work: (319) 753-7820
Contact Name:	Harvey N Ungerman
Contact Title:	Not reported
Contact eMail:	Not reported
Contact Company:	Iowa Army Ammunition Plant
Contact Address:	17575 Highway 79
Contact Address2:	Not reported
Contact City,St,Zip:	Middletown, IA 52638-9701
Field Office:	6
Loc Supplement:	at facility
Latitude:	40.826650
Longitude:	-91.274169
Facility ID:	29-SDP-03-82
Facility Type:	Coal Combustion Residue Landfill
Permit Stage:	Operation Permit
Expiration Date:	1/6/2020
Project Officer:	Leat
Affiliation:	Mailing Contact
Phone:	Fax: (319) 753-7167 Work: (319) 753-7295
Contact Name:	John Carroll
Contact Title:	Not reported
Contact eMail:	jcarol@aollc.biz
Contact Company:	Iowa Army Ammunition Plant
Contact Address:	17575 Highway 79
Contact Address2:	Not reported
Contact City,St,Zip:	Middletown, IA 52638-9701
Field Office:	6
Loc Supplement:	at facility
Latitude:	40.826650
Longitude:	-91.274169
Facility ID:	29-SDP-03-82
Facility Type:	Coal Combustion Residue Landfill
Permit Stage:	Operation Permit
Expiration Date:	1/6/2020
Project Officer:	Leat



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT CCR LANDFILL (Continued)**

**S116287717**

Affiliation: Operator of Facility Site  
Phone: Work: (319) 753-7224 Fax: (319) 753-7225  
Contact Name: Ed Hollenbeck  
Contact Title: Not reported  
Contact eMail: ed.hollenbeck@aolc.biz  
Contact Company: Iowa Army Ammunition Plant  
Contact Address: 17571 DMC Hwy 79  
Contact Address2: Not reported  
Contact City,St,Zip: Middletown, IA 52638  
Field Office: 6  
Loc Supplement: at facility  
Latitude: 40.826650  
Longitude: -91.274169

Facility ID: 29-SDP-03-82  
Facility Type: Coal Combustion Residue Landfill  
Permit Stage: Operation Permit  
Expiration Date: 1/6/2020  
Project Officer: Leat  
Affiliation: Responsible Official of Agency served, Automated Email  
Phone: Work: (319) 753-7200  
Contact Name: LTC Michael T. Triplett  
Contact Title: Commanding Officer  
Contact eMail: Not reported  
Contact Company: Iowa Army Ammunition Plant  
Contact Address: 17571 Highway 79  
Contact Address2: Not reported  
Contact City,St,Zip: Middletown, IA 52638-5000  
Field Office: 6  
Loc Supplement: at facility  
Latitude: 40.826650  
Longitude: -91.274169

COAL ASH:  
Permit Number: 29-SDP-03-82  
Status: Operation Permit  
Type: Coal Combustion Residue Landfill  
Expiration Date: 01/06/2020  
Project Officer: Leat  
Contact Type: Design Engineer  
Full Name: Harvey N Ungerman  
Business Name: Iowa Army Ammunition Plant  
Title: Not reported  
Email: Not reported  
Phone: Work: (319) 753-7820  
Field Office Id: 6  
Loc Supplement: at facility  
Latitude: 40.8266500000000001  
Longitude: -91.2741699999999999  
Mailing Address 1: 17575 Highway 79  
Mailing Address 2: Not reported  
Mailing City: Middletown  
Mailing State: IA  
Mailing Zip: 52638-9701  
  
Permit Number: 29-SDP-03-82  
Status: Operation Permit

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT CCR LANDFILL (Continued)**

**S116287717**

Type: Coal Combustion Residue Landfill  
Expiration Date: 01/06/2020  
Project Officer: Leat  
Contact Type: Mailing Contact  
Full Name: John Carroll  
Business Name: Iowa Army Ammunition Plant  
Title: Not reported  
Email: jcarol@aolc.biz  
Phone: Fax: (319) 753-7167Work: (319) 753-7295  
Field Office Id: 6  
Loc Supplement: at facility  
Latitude: 40.826650000000001  
Longitude: -91.274169999999998  
Mailing Address 1: 17575 Highway 79  
Mailing Address 2: Not reported  
Mailing City: Middletown  
Mailing State: IA  
Mailing Zip: 52638-9701

Permit Number: 29-SDP-03-82  
Status: Operation Permit  
Type: Coal Combustion Residue Landfill  
Expiration Date: 01/06/2020  
Project Officer: Leat  
Contact Type: Operator of Facility Site  
Full Name: Ed Hollenbeck  
Business Name: Iowa Army Ammunition Plant  
Title: Not reported  
Email: ed.hollenbeck@aolc.biz  
Phone: Work: (319) 753-7224Fax: (319) 753-7225  
Field Office Id: 6  
Loc Supplement: at facility  
Latitude: 40.826650000000001  
Longitude: -91.274169999999998  
Mailing Address 1: 17571 DMC Hwy 79  
Mailing Address 2: Not reported  
Mailing City: Middletown  
Mailing State: IA  
Mailing Zip: 52638

Permit Number: 29-SDP-03-82  
Status: Operation Permit  
Type: Coal Combustion Residue Landfill  
Expiration Date: 01/06/2020  
Project Officer: Leat  
Contact Type: Responsible Official of Agency served,Automated Email  
Full Name: LTC Michael T. Triplett  
Business Name: Iowa Army Ammunition Plant  
Title: Commanding Officer  
Email: Not reported  
Phone: Work: (319) 753-7200  
Field Office Id: 6  
Loc Supplement: at facility  
Latitude: 40.826650000000001  
Longitude: -91.274169999999998  
Mailing Address 1: 17571 Highway 79  
Mailing Address 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IOWA ARMY AMMUNITION PLANT CCR LANDFILL (Continued)

S116287717

Mailing City: Middletown  
Mailing State: IA  
Mailing Zip: 52638-5000

F37  
NNW  
> 1  
3.115 mi.  
16448 ft.

UNITED STATES MILITARY  
17571 STATE HWY 79  
MIDDLETOWN, IA 52638  
Site 18 of 65 in cluster F

NY MANIFEST S117561588  
N/A

Relative:  
Higher

NY MANIFEST:

Actual:  
720 ft.

EPA ID: IA7213820445  
Country: USA  
Location Address 1: ROCK ISLAND ARSENAL BLDG 154  
Location Address 2: Not reported  
Location City: ROCK ISLAND  
Location State: IL  
Location Zip Code: 61209  
Location Zip Code 4: Not reported

Mailing Info:

Name: UNITED STATES MILITARY  
Contact: IOWA ARMY AMMO DEPOT  
Address: ROCK ISLAND ARSENAL BLDG 154  
City/State/Zip: ROCK ISLAND, IL 61209  
Country: USA  
Phone: 309-794-5613

Manifest:

Document ID: NYG1209726  
Manifest Status: Not reported  
Trans1 State ID: HQ89878OR  
Trans2 State ID: Not reported  
Generator Ship Date: 12/28/1999  
Trans1 Recv Date: 12/28/1999  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 12/30/1999  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: IA7213820445  
Trans1 EPA ID: MOD095038998  
Trans2 EPA ID: Not reported  
TSDF ID: NYD067919340  
Waste Code: D011 - SILVER 5.0 MG/L TCLP  
Quantity: 01927  
Units: P - Pounds  
Number of Containers: 012  
Container Type: DM - Metal drums, barrels  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 1999

Document ID: NYG0781587  
Manifest Status: Not reported  
Trans1 State ID: MO001HQ32  
Trans2 State ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED STATES MILITARY (Continued)**

**S117561588**

Generator Ship Date: 03/25/1998  
Trans1 Recv Date: 03/25/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 04/02/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: IA7213820445  
Trans1 EPA ID: MOD095038998  
Trans2 EPA ID: Not reported  
TSDF ID: NYD067919340  
Waste Code: D011 - SILVER 5.0 MG/L TCLP  
Quantity: 02635  
Units: P - Pounds  
Number of Containers: 013  
Container Type: DM - Metal drums, barrels  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 1998

Document ID: NYB2701233  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: RF7433  
Trans2 State ID: RF7434  
Generator Ship Date: 03/21/1991  
Trans1 Recv Date: 03/21/1991  
Trans2 Recv Date: 03/29/1991  
TSD Site Recv Date: 04/08/1991  
Part A Recv Date: 04/30/1991  
Part B Recv Date: 04/18/1991  
Generator EPA ID: IA7213820445  
Trans1 EPA ID: NYD982792814  
Trans2 EPA ID: Not reported  
TSDF ID: NYD000632372  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00001  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00009  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00005  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED STATES MILITARY (Continued)**

**S117561588**

Units: P - Pounds  
Number of Containers: 002  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 1991

Document ID: NYO1376307  
Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC  
Trans1 State ID: Not reported  
Trans2 State ID: Not reported  
Generator Ship Date: 07/06/1984  
Trans1 Recv Date: 07/06/1984  
Trans2 Recv Date: / /  
TSD Site Recv Date: 07/09/1984  
Part A Recv Date: 07/19/1984  
Part B Recv Date: 08/17/1984  
Generator EPA ID: IA7213820445  
Trans1 EPA ID: NYD088658646  
Trans2 EPA ID: Not reported  
TSDf ID: NYD049836679  
Waste Code: B011 - PCB CONTAMINATED TRANS CONT >500 PPM  
Quantity: 00600  
Units: P - Pounds  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 100  
Year: 1984

Document ID: NYA1395171  
Manifest Status: Completed copy  
Trans1 State ID: WIPG18564  
Trans2 State ID: NYR-60504  
Generator Ship Date: 04/12/1985  
Trans1 Recv Date: 04/12/1985  
Trans2 Recv Date: 04/15/1985  
TSD Site Recv Date: 04/15/1985  
Part A Recv Date: 04/22/1985  
Part B Recv Date: 04/30/1985  
Generator EPA ID: IA7213820445  
Trans1 EPA ID: WID066888017  
Trans2 EPA ID: NYD043815703  
TSDf ID: NYD043815703  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00220  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 004  
Container Type: DM - Metal drums, barrels  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 1985

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**F38**  
**NNW** 17571 STATE HWY 79  
> 1 MIDDLETOWN, IA 52638  
3.115 mi.  
16448 ft. Site 19 of 65 in cluster F

**ERNS** 96474486  
N/A

**Relative:**  
**Higher** [Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

**Actual:**  
720 ft.  
**F39** IOWA ARMY AMMUNITION PLANT  
**NNW** 17575 STATE HWY 79  
> 1 MIDDLETOWN, IA 52638  
3.115 mi.  
16448 ft. Site 20 of 65 in cluster F

**IA UST** U003935574  
N/A

**Relative:**  
**Higher** UST:  
Facility Id: 6666  
Loc Id: 6666  
**Actual:**  
720 ft. Registration: 198606351  
Owner Type: 2  
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: 04/21/1986  
Created By: migration  
Created Date: 01/08/2007  
Changed By: migration  
Last Changed: 01/08/2007  
Latitude: 40.82697  
Longitude: -91.27455  
  
Tank Info:  
Tank Num: 18604  
In Use: False  
Tank Type: Not reported  
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

**F40**  
**NNW** 17575 HIGHWAY 79  
> 1 MIDDLETOWN, IA  
3.116 mi.  
16450 ft. Site 21 of 65 in cluster F

**HMIRS** 97090803  
N/A

**Relative:**  
**Higher** [Click this hyperlink](#) while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

**Actual:**  
720 ft.





MAP FINDINGS

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

---

<b>F43</b> <b>NNW</b> > 1 3.116 mi. 16451 ft.	<b>17575 STATE HWY 79</b> <b>MIDDLETOWN, IA 52638</b>  <b>Site 24 of 65 in cluster F</b>	<b>ERNS</b>  <b>2001579071</b> <b>N/A</b>	
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**Relative:** [Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

**Higher**

<b>Actual:</b> 720 ft. <b>F44</b> <b>NNW</b> > 1 3.116 mi. 16451 ft.	<b>IOWA ARMY AMMUNITION PLANT</b> <b>17575 STATE HWY 79</b> <b>MIDDLETOWN, IA 52638</b>  <b>Site 25 of 65 in cluster F</b>	<b>PCB TRANSFORMER</b>  <b>1014626553</b> <b>N/A</b>	
--	--	---	--

**Relative:** PCB TRANSFORMER:

**Higher**

**Actual:** 720 ft.

Company name:	Iowa Army Ammunition Plant
Company address:	17575 State Hwy 79 Middletown, IA, IA 52638
Contact:	Darlene Norton
Contact phone:	319-753-7613
Transformer location ID:	1569
Transformer box number:	Not reported
Record ID:	1620
Document ID:	00927
Number of transformers:	3
Weight lbs:	Not reported
Weight kgs:	4069
Flammable:	N
Office region:	7
Officer title:	OD, Commanding
Officer name:	Jyuji D. Hewitt, LTC, OD, Commanding
Date assigned:	12/10/1998

<b>F45</b> <b>NNW</b> > 1 3.116 mi. 16451 ft.	<b>ICI AMERICAS INC</b> <b>17575 HWY 79</b> <b>MIDDLETOWN, IA 52638</b>  <b>Site 26 of 65 in cluster F</b>	<b>RCRA NonGen / NLR</b>  <b>1001024279</b> <b>IAR000000968</b>	
---	--	--	--

**Relative:** RCRA NonGen / NLR:

**Higher**

**Actual:** 720 ft.

Date form received by agency:	07/13/1999
Facility name:	ICI AMERICAS INC
Facility address:	17575 HWY 79 (@ IAAP SITE) MIDDLETOWN, IA 526389701
EPA ID:	IAR000000968
Mailing address:	PO BOX 99 MIDDLETOWN, IA 526389701
Contact:	Not reported
Contact address:	Not reported
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	07
Land type:	Federal
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001024279**

Owner/Operator Summary:

Owner/operator name: ICI AMERICAS INC  
Owner/operator address: 2550 EISENHOWER RD  
NORRISTOWN, PA 19403  
Owner/operator country: Not reported  
Owner/operator telephone: (610) 666-8600  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
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: NONE  
. Waste name: None

Historical Generators:

Date form received by agency: 01/28/1998  
Site name: ICI AMERICAS INC  
Classification: Large Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D003  
. Waste name: REACTIVE WASTE

. Waste code: D005  
. Waste name: BARIUM

. Waste code: D008  
. Waste name: LEAD

. Waste code: D009  
. Waste name: MERCURY

. Waste code: F002  
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001024279

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

- . Waste code: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: FLUO
- . Waste name: FLUO

Date form received by agency: 01/21/1998  
Site name: I C I AMERICAS INC  
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

- Regulation violated: FR - CFR 265.34(b)
- Area of violation: TSD - Preparedness and Prevention
- Date violation determined: 08/07/1997
- Date achieved compliance: 08/15/1997
- Violation lead agency: EPA
- Enforcement action: WRITTEN INFORMAL
- Enforcement action date: 08/07/1997
- Enf. disposition status: Not reported
- Enf. disp. status date: Not reported
- Enforcement lead agency: EPA
- Proposed penalty amount: Not reported
- Final penalty amount: Not reported
- Paid penalty amount: Not reported
  
- Regulation violated: FR - CFR 265.52(d)
- Area of violation: TSD - Contingency Plan and Emergency Procedures
- Date violation determined: 08/07/1997
- Date achieved compliance: 08/15/1997
- Violation lead agency: EPA
- Enforcement action: WRITTEN INFORMAL
- Enforcement action date: 08/07/1997
- Enf. disposition status: Not reported
- Enf. disp. status date: Not reported
- Enforcement lead agency: EPA
- Proposed penalty amount: Not reported
- Final penalty amount: Not reported
- Paid penalty amount: Not reported
  
- Regulation violated: FR - CFR 262.34(a)(2)
- Area of violation: Generators - Pre-transport
- Date violation determined: 08/07/1997
- Date achieved compliance: 08/15/1997
- Violation lead agency: EPA
- Enforcement action: WRITTEN INFORMAL
- Enforcement action date: 08/07/1997
- Enf. disposition status: Not reported
- Enf. disp. status date: Not reported
- Enforcement lead agency: EPA
- Proposed penalty amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001024279**

Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - CFR 265.195(a)  
Area of violation: TSD - Tank System Standards  
Date violation determined: 08/07/1997  
Date achieved compliance: 08/15/1997  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/07/1997  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - CFR 265.193(c)(4)  
Area of violation: TSD - Tank System Standards  
Date violation determined: 08/07/1997  
Date achieved compliance: 08/15/1997  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/07/1997  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - CFR 262.16(d)  
Area of violation: Generators - General  
Date violation determined: 08/07/1997  
Date achieved compliance: 08/15/1997  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/07/1997  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - CFR 262.11  
Area of violation: Generators - General  
Date violation determined: 08/07/1997  
Date achieved compliance: 08/15/1997  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/07/1997  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001024279**

Paid penalty amount: Not reported

Regulation violated: FR - CFR 262.34(a)(3)  
Area of violation: Generators - Pre-transport  
Date violation determined: 08/07/1997  
Date achieved compliance: 08/15/1997  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 08/07/1997  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 07/13/1999  
Evaluation: COMPLIANCE ASSISTANCE VISIT  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 08/07/1997  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Contingency Plan and Emergency Procedures  
Date achieved compliance: 08/15/1997  
Evaluation lead agency: EPA

Evaluation date: 08/07/1997  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Tank System Standards  
Date achieved compliance: 08/15/1997  
Evaluation lead agency: EPA

Evaluation date: 08/07/1997  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 08/15/1997  
Evaluation lead agency: EPA

Evaluation date: 08/07/1997  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Preparedness and Prevention  
Date achieved compliance: 08/15/1997  
Evaluation lead agency: EPA

Evaluation date: 08/07/1997  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 08/15/1997  
Evaluation lead agency: EPA

Evaluation date: 10/24/1996  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported

MAP FINDINGS

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

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**ICI AMERICAS INC (Continued)**

**1001024279**

Evaluation lead agency: EPA

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**F46**  
**NNW**  
 > 1  
 3.116 mi.  
 16451 ft.

**17575 ST HWY 79**  
**MIDDLETOWN, IA 52638**  
 Site 27 of 65 in cluster F

**ERNS 99653410**  
 N/A

**Relative:**  
**Higher**

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

---

**Actual:**  
 720 ft.  
**F47**  
**NNW**  
 > 1  
 3.116 mi.  
 16451 ft.

**AMERICAN ORDNANCE, LLC**  
**17575 STATE HIGHWAY 79**  
**MIDDLETOWN, IA 52638**  
 Site 28 of 65 in cluster F

**MLTS 1006333585**  
 N/A

**Relative:**  
**Higher**

MLTS:  
 License Number: SUC-1381  
 First License Date: 09/08/80  
 License Date: 02/01/00  
 Lic. Expiration Date: 10/31/04  
 Contact Name: NICHOLAS KIELER  
 Contact Phone: 319/753-7434  
 Institution Code: 19461  
 Department/Bldg: Not reported  
 States Allowing Use: Not reported  
 Store Material Use: No  
 Redistribution Use: No  
 Incinerate Use: No  
 Burial Use: No  
 Last Inspection Date: 01/01/97  
 Next Inspection Date: 01/01/02  
 Licensee Contact: RAD.SAF.OFC  
 Inspector Name: NICHOLAS KIELER

---

**F48**  
**NNW**  
 > 1  
 3.116 mi.  
 16451 ft.

**17575 ST HWY 79**  
**MIDDLETOWN, IA 52638**  
 Site 29 of 65 in cluster F

**ERNS 99624791**  
 N/A

**Relative:**  
**Higher**

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

---

**Actual:**  
 720 ft.  
**F49**  
**NNW**  
 > 1  
 3.116 mi.  
 16451 ft.

**ADVANCED ENVIRONMENTAL TECHNOLOGY INC**  
**17575 STATE HWY 79**  
**MIDDLETOWN, IA 52638**  
 Site 30 of 65 in cluster F

**US AIRS 1014700884**  
 N/A

**Relative:**  
**Higher**

AIRS (AFS):  
 Compliance and Violation Data Major Sources:  
 EPA plant ID: 110041994973  
 Plant name: IOWA ARMY AMMUNITION PLANT

**Actual:**  
 720 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ADVANCED ENVIRONMENTAL TECHNOLOGY INC (Continued)**

**1014700884**

Plant address: 17575 STATE HWY 79  
MIDDLETOWN, IA 526385000  
County: DES MOINES  
Region code: 07  
Dunn & Bradst #: Not reported  
Air quality cntrl region: 065  
Sic code: 3483  
Sic code desc: AMMUNITION, EXCEPT FOR SMALL ARMS, NEC  
North Am. industrial classf: 332993  
NAIC code description: Ammunition (except Small Arms) Manufacturing  
Default compliance status: IN VIOLATION WITH REGARD TO PROCEDURAL COMPLIANCE  
Default classification: ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS  
Govt facility: SOURCE OWNED OR OPERATED BY THE FEDERAL GOVERNMENT  
Current HPV: Not reported  
EPA plant ID: 110041994973  
Plant name: ADVANCED ENVIRONMENTAL TECHNOLOGY INC  
Plant address: 17575 STATE HWY 79  
MIDDLETOWN, IA 526389701  
County: DES MOINES  
Region code: 07  
Dunn & Bradst #: Not reported  
Air quality cntrl region: 065  
Sic code: 4953  
Sic code desc: REFUSE SYSTEMS  
North Am. industrial classf: 562211  
NAIC code description: Hazardous Waste Treatment and Disposal  
Default compliance status: IN COMPLIANCE - INSPECTION  
Default classification: POTENTIAL EMISSIONS ARE BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS IF AND ONLY IF THE SOURCE COMPLIES WITH FEDERALLY ENFORCEABLE REGULATIONS OR LIMITATIONS.  
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT  
Current HPV: Not reported

**F50**  
**NNW** 17575 STATE HWY 79  
**> 1** MIDDLETOWN, IA 52638  
**3.116 mi.**  
**16451 ft.** Site 31 of 65 in cluster F

**ERNS 99610100**  
**N/A**

**Relative:**  
**Higher**

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

**Actual:**  
**720 ft.**



**MAP FINDINGS**

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
<b>F51</b> <b>NNW</b> <b>&gt; 1</b> <b>3.116 mi.</b> <b>16451 ft.</b>	<b>17575 ST HWY 79</b> <b>MIDDLETOWN, IA 52638</b>  <b>Site 32 of 65 in cluster F</b>	<b>ERNS</b>	<b>984504770</b> <b>N/A</b>
<b>Relative: Higher</b>	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
<b>Actual: 720 ft. F52</b>	<b>17575 STATE HWY 79</b> <b>MIDDLETOWN, IA 52638</b>  <b>Site 33 of 65 in cluster F</b>	<b>ERNS</b>	<b>94403423</b> <b>N/A</b>
<b>Relative: Higher</b>	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
<b>Actual: 720 ft. F53</b>	<b>17575 ST HWY 79</b> <b>MIDDLETOWN, IA 52638</b>  <b>Site 34 of 65 in cluster F</b>	<b>ERNS</b>	<b>98455706</b> <b>N/A</b>
<b>Relative: Higher</b>	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
<b>Actual: 720 ft. F54</b>	<b>IOWA ARMY AMMUNITION PLANT</b> <b>17575 STATE HWY 79</b> <b>MIDDLETOWN, IA 52638</b>  <b>Site 35 of 65 in cluster F</b>	<b>PCB TRANSFORMER</b>	<b>1014626706</b> <b>N/A</b>
<b>Relative: Higher</b>	<b>PCB TRANSFORMER:</b> Company name: Iowa Army Ammunition Plant Company address: 17575 State Hwy 79 Middletown, IA, IA 52638		
<b>Actual: 720 ft.</b>	Contact: Darlene Norton Contact phone: 319-753-7613 Transformer location ID: 1569 Transformer box number: 1 Record ID: 3878 Document ID: 00927 Number of transformers: 0 Weight lbs: 0 Weight kgs: 0 Flammable: Not reported Office region: 7 Officer title: Lieutenant Colonel, US Army Commanding Officer name: J.B. Elliott Date assigned: 12/19/2000		

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
F55 NNW > 1 3.116 mi. 16451 ft.	IOWA ARMY AMMUNITION PLANT 17575 HIGHWAY 79 MIDDLETOWN, IA 52638  Site 36 of 65 in cluster F	FINDS	1012225739 N/A
Relative: Higher	FINDS:  Registry ID: 110040471940  Environmental Interest/Information System CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY  IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors  GREENHOUSE GAS REPORTER		
Actual: 720 ft.			
F56 NNW > 1 3.116 mi. 16451 ft.	17575 ST HWY 79 MIDDLETOWN, IA 52638  Site 37 of 65 in cluster F	ERNS	984604020 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
Actual: 720 ft.			
F57 NNW > 1 3.116 mi. 16451 ft.	17575 STATE HWY 79 MIDDLETOWN, IA  Site 38 of 65 in cluster F	ERNS	2001577974 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
Actual: 720 ft.			
F58 NNW > 1 3.116 mi. 16451 ft.	17575 STATE HWY 79 MIDDLETOWN, IA 52638  Site 39 of 65 in cluster F	ERNS	2005607182 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
Actual: 720 ft.			
F59 NNW > 1 3.116 mi. 16451 ft.	17575 ST HWY 79 MIDDLETOWN, IA 52638  Site 40 of 65 in cluster F	ERNS	98443305 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
Actual: 720 ft.			

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
F60 NNW > 1 3.116 mi. 16451 ft.	17575 STATE HWY 79 MIDDLETOWN, IA 52638  Site 41 of 65 in cluster F	ERNS	2006800392 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
Actual: 720 ft. F61	17575 STATE HWY 79 MIDDLETOWN, IA 52638  Site 42 of 65 in cluster F	ERNS	99606344 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
Actual: 720 ft. F62	17575 ST HWY 79 MIDDLETOWN, IA 52638  Site 43 of 65 in cluster F	ERNS	2001566990 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
Actual: 720 ft. F63	17575 ST HWY 79 MIDDLETOWN, IA 52638  Site 44 of 65 in cluster F	ERNS	99611814 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
Actual: 720 ft. F64	17575 ST HWY 79 MIDDLETOWN, IA 52638  Site 45 of 65 in cluster F	ERNS	96510995 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
Actual: 720 ft. F65	17575 STATE HIGHWAY 79 MIDDLETOWN, IA 52638  Site 46 of 65 in cluster F	ERNS	99653370 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
Actual: 720 ft.			

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
F66 NNW > 1 3.116 mi. 16451 ft.	17575 ST HWY 79 MIDDLETOWN, IA 52638  Site 47 of 65 in cluster F	ERNS	99653217 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
Actual: 720 ft. F67	17575 STATE HWY 79 MIDDLETOWN, IA 52638  Site 48 of 65 in cluster F	ERNS	2005631570 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
Actual: 720 ft. F68	17575 ST HWY 79 MIDDLETOWN, IA 52638  Site 49 of 65 in cluster F	ERNS	984485740 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
Actual: 720 ft. F69	17575 ST HWY 79 MIDDLETOWN, IA 52638  Site 50 of 65 in cluster F	ERNS	99611667 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
Actual: 720 ft. F70	17575 STATE HWY 79 MIDDLETOWN, IA 52638  Site 51 of 65 in cluster F	ERNS	2000525637 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
Actual: 720 ft. F71	17575 STATE HIGHWAY 79 MIDDLETOWN, IA  Site 52 of 65 in cluster F	IA SPILLS	S106597648 N/A
Relative: Higher	SPILL: Facility ID: 09057-RK-1515 Reported Date: 09/05/1997 Reported Time: 3:15:00 PM Taken By: RON KOZEL		

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S106597648

Spill Date: 09/04/1997  
Spill Time: 3:30:00 PM  
6 hr Letter: No  
Continuous Release: No  
Incident Location: Not reported  
Incident Mode: Handling And Storage  
Incident Type: Other Chemical  
Incident Medium Land: Yes  
Incident Medium Water: No  
Incident Medium Air: No  
Field Office: Not reported  
Company Name: Not reported  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported  
Company Contact City/State/Zip: Not reported  
Company Contact Phone: Not reported  
Company Contact Fax No: Not reported  
Company Contact Start Date: Not reported  
Company Contact End Date: Not reported  
Initial Instructions: Not reported  
Events: A faulty pipe or seal on a sump pump allowed the contaminated water to leak onto the soil.

F72  
NNW  
> 1  
3.116 mi.  
16451 ft.

17575 STATE HWY 79  
MIDDLETOWN, IA  
Site 53 of 65 in cluster F

IA SPILLS S105273493  
N/A

Relative:  
Higher

SPILL:

Actual:  
720 ft.

Facility ID: 090701-CWO-0333  
Reported Date: 09/07/2001  
Reported Time: 3:33:00 AM  
Taken By: Clark Ott  
Spill Date: 09/07/2001  
Spill Time: 1:45:00 AM  
6 hr Letter: FALSE  
Continuous Release: FALSE  
Incident Location: Not reported  
Incident Mode: Handling And Storage  
Incident Type: Organic Chemical  
Incident Medium Land: TRUE  
Incident Medium Water: FALSE  
Incident Medium Air: FALSE  
Field Office: Not reported  
Company Name: Not reported  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S105273493

Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported  
Company Contact City/State/Zip: Not reported  
Company Contact Phone: Not reported  
Company Contact Fax No: Not reported  
Company Contact Start Date: Not reported  
Company Contact End Date: Not reported  
Initial Instructions: Water will be tested for TNT. Plant personnel were cleaning up the water.  
Events: The fire deluge system was set off, probably due to lightning. Water was running out of the door. The RP did not know if any TNT was in the water. RP did not believe that the water reached any storm sewers or streams. Bulk of material was fire protect

Facility ID: 09168-RK-1540  
Reported Date: 09/16/1998  
Reported Time: 3:40:00 PM  
Taken By: RON KOZEL  
Spill Date: 09/16/1998  
Spill Time: 3:19:00 PM  
6 hr Letter: No  
Continuous Release: No  
Incident Location: Not reported  
Incident Mode: Handling And Storage  
Incident Type: Other Chemical  
Incident Medium Land: Yes  
Incident Medium Water: No  
Incident Medium Air: No  
Field Office: Not reported  
Company Name: Not reported  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported  
Company Contact City/State/Zip: Not reported  
Company Contact Phone: Not reported  
Company Contact Fax No: Not reported  
Company Contact Start Date: Not reported  
Company Contact End Date: Not reported  
Initial Instructions: Not reported  
Events: A building in which explosives are burned caught fire, and the material was released in the process of fighting the fire.

Facility ID: 11087-RK-2303  
Reported Date: 11/08/1997  
Reported Time: 11:03:00 AM  
Taken By: RON KOZEL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S105273493

Spill Date: 11/08/1997  
Spill Time: 10:47:00 PM  
6 hr Letter: No  
Continuous Release: No  
Incident Location: Not reported  
Incident Mode: Handling And Storage  
Incident Type: Other Chemical  
Incident Medium Land: Yes  
Incident Medium Water: No  
Incident Medium Air: No  
Field Office: Not reported  
Company Name: Not reported  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported  
Company Contact City/State/Zip: Not reported  
Company Contact Phone: Not reported  
Company Contact Fax No: Not reported  
Company Contact Start Date: Not reported  
Company Contact End Date: Not reported  
Initial Instructions: Not reported  
Events: A sprinkler system malfunctioned and caused a sump to overflow. The materialsoaked into the ground.

Facility ID: 10198-RK-0823  
Reported Date: 10/19/1998  
Reported Time: 8:23:00 AM  
Taken By: RON KOZEL  
Spill Date: 10/19/1998  
Spill Time: 8:10:00 AM  
6 hr Letter: No  
Continuous Release: No  
Incident Location: Not reported  
Incident Mode: Handling And Storage  
Incident Type: Other Chemical  
Incident Medium Land: Yes  
Incident Medium Water: No  
Incident Medium Air: No  
Field Office: Not reported  
Company Name: Not reported  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

(Continued)

S105273493

Company Contact City/State/Zip: Not reported  
 Company Contact Phone: Not reported  
 Company Contact Fax No: Not reported  
 Company Contact Start Date: Not reported  
 Company Contact End Date: Not reported  
 Initial Instructions: Not reported  
 Events: A mechanical failure on a fire protection system caused fire-fighting water to flow into the Pink Water system and cause it to overflow in a building.

**F73** **IOWA ARMY AMMUNITION PLANT**  
**NNW** **17575 HIGHWAY 79**  
**> 1** **MIDDLETOWN, IA 52638**  
**3.116 mi.**  
**16451 ft.** **Site 54 of 65 in cluster F**

**IA LUST** **U003935499**  
**IA UST** **N/A**  
**IA TIER 2**

**Relative:**  
**Higher**

**LUST:**  
 Facility ID: 2910  
 Spill Number: Not reported  
 Occur Date: Not reported  
 Discover Date: 11/15/1988  
 Discover Time: Not reported  
 Record Date: 11/18/1988  
 Leak Number: 7LTB70  
 Loc ID: 65272  
 Ust ID: 6664  
 Latitude: 40.82426  
 Longitude: -91.25630  
 Start Date: 11/15/1988  
 Spill Date: Not reported  
 Date Occurred Time: Not reported  
 Lead ID: 4  
 Coordinator ID: 11  
 Staff ID: 25  
 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

**Actual:**  
**720 ft.**

**Lust Status:**  
 ID: 2911  
 Site Leak Number: 7LTB70  
 Discovered During: Other  
 Tanks Removed: 0  
 Leak Cause: UNKNOWN  
 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: 00000000000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**U003935499**

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:	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:	Not reported
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
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Lust HICA:

Leak Number:	7LTB70
Registration Number:	198606348
Date CorrectiveActionDesign Report(CADR) Rec:	07/31/2001
Date CADR Due:	07/31/2001
Date CADR Approved:	10/16/2001
Date CADR Rejected:	Not reported
Date CADR Remediation Started:	06/18/2002
Date CADR Remediation Completed:	07/24/2002
Staff CADR Reviewed By:	VKS

Lust Misc:

Misc Due Date:	Not reported	Misc Rec Date:	01/24/2001
Misc Other:	Not reported	Misc Title:	MTBE WORKSHEET & DISK

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**U003935499**

Misc Due Date:	Not reported	Misc Rec Date:	Not reported
Misc Other:	Not reported	Misc Title:	Not reported
Misc Due Date:	Not reported	Misc Rec Date:	12/10/2001
Misc Other:	Not reported	Misc Title:	MTBE WORKSHEET & DISK
Misc Due Date:	Not reported	Misc Rec Date:	10/31/2002
Misc Other:	Not reported	Misc Title:	MTBE WORKSHEET & DISK
Misc Due Date:	Not reported	Misc Rec Date:	10/29/2003
Misc Other:	Not reported	Misc Title:	MTBE WORKSHEET & DISK
Misc Due Date:	Not reported	Misc Rec Date:	05/23/2000
Misc Other:	Not reported	Misc Title:	MTBE WORKSHEET & DISK

Lust Remediation:

Heat Treatment:	False
Land Application:	True
On Site:	False
Achieved Over-Excavation:	True
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 Free Product Recovery:

FPR Report Assesment Due:	Not reported
FPR Report Received:	Not reported
FPR Report Accepted:	Not reported
FPR Report Rejected:	Not reported
FPR Report Revised:	Not reported

Lust Tier 2 Report:

T2 Assesment Due:	02/13/2000
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Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**U003935499**

T2 Received:	05/23/2000
T2 Accepted:	07/14/2000
T2 Rejected:	Not reported
T2 Reviewed:	VKS
T2 Assesment Due:	07/20/1998
T2 Received:	07/17/1998
T2 Accepted:	Not reported
T2 Rejected:	11/23/1998
T2 Reviewed:	Not reported

Lust Administration:

ID:	2911
Owner Identified:	No
Responsible Party Found:	No
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:	Not reported
CR End Date:	Not reported
Memo:	Not reported

Lust Track:

ID:	2911
Site Assesment Start Date:	12/15/1988
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:	1995-07-19
Cleanup Complete Date:	2004-03-31
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:	2004-03-31
Risk Classification -NFA:	True
Class - Low Risk:	False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IOWA ARMY AMMUNITION PLANT (Continued)

U003935499

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:	True
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:	2004-08-11
<b>No Action Required:</b>	<b>False</b>
Priority Ranking:	5
Delete:	False
Track Memo:	CHANGE IN CONSULTANT DUE DATE - ORIGINAL DUE DATE WAS 12/26/88. CHANGE IN SITE ASSESSMENT DUE DATE - ORIGINAL DUE DATE WAS 01/15/89.08/04/92: FILE REV/SCR LTR SNT. REC'D 8/4/92. SCR DUE 12/6/92.11/16/92: TE LTR SNT. SCR DUE 6/4/93.06/22/93: REC'D SCR.12/02/93: REV OF SCR, REJECTED, REV SCR DUE 4/6/94.05/11/94: REC'D REV SCR.12/19/94: SCR REV LTR SNT. REC'D 12/21. ACC HI. CADR DUE 3/21/95.05/23/95: INTERIM SMR TE LTR SNT. INTERMIN SMR = 7/30/95.06/12/95: CADR REV LTR SNT. REC'D 6/19. REJECTED. NO MNTRNG PLN INCLUDED.07/19/95: CADR ADDENDUM REV LTR SNT. OK'D MNTRNG PLN W/ ONE CHANGE.12/26/95: REC'D SMR.10/04/96: LTR FROM CNSLT REQSTNG POSTPONE COMPL OF CADR ITEMS @ SITE (RBCA EVAL).10/16/96: DNR RSPNS LTR. OK TO WAIT.12/20/96: REC'D INTERIM SMR. (INCORRECTLY LABELED AS LOW RISK SMR).04/15/98: RBCA LTR SNT. RECD 4/20. CNSLT = 5/20. T1 = 7/20/98.07/17/98: T2 REC'D (NAR).09/23/98: REC'D 2 SMRS - FALL 97 & SPRING 98.11/23/98: T2 REV LTR SNT. REJ. RECD 11/25. RVSD T2 = 2/25/99.02/08/99: T2 te ltr snt. T2 = 5/23/99.06/02/99: Second T2 te ltr snt. T2 - 8/23/99.09/30/99: Third T2 te ltr snt. T2 = 2/23/2000.05/23/00: REC'D TIER 2 REPORT & DISK. MTBE WORKSHEET & DISK.07/14/00: Revised T2 rev ltr snt. OK. Hi. Rec'd 7/19. CADR = 11/23/2000.07/28/00: REC'D SMR AND MTBE DISKETTE.11/02/00: Cadr te ltr snt. Cadr = 7/31/2001.01/24/01: REC'D SMR. DISK. MTBE WORKSHEET & DISK. Request for re-classification not made.07/31/01: REC'D CADR.09/28/01: REC'D SMR. SMR DISK.10/09/01: Sent SMR reject ltr two sanitary sewers changed from NR to R now GWVES is high risk missing SMR data from two previous SMRs

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IOWA ARMY AMMUNITION PLANT (Continued)

U003935499

altered groundwater monitoring plan revised due 12/09/01  
green card dated 10/15/01 tvb.10/16/01 CADR accepted  
without review It snt. Rec'd 10/22. Excavation and land  
farming. Implement rpt = 12/24/2001.12/10/01: REC'D  
REVISED SMR. SMR DISK. MTBE WORKSHEET & DISK.12/11/01:  
REC'D LETTER RE: CORRECTIVE ACTION ACTIVITIES DESCRIBED IN  
CADR WILL BEGIN IN JULY 2003.02/12/02: Reviewed Revised SMR  
it is acceptable monitoring well 4-93 no longer meets  
criteria of a G well benzene increased above SSSL. Took  
additional soil samples to reduce SL-PGWS plume for "Tier  
3" but CADR has already been submitted to DNR next SMR due  
10/30/02. tvb08/27/02: REC'D REPORT OF  
OVER-EXCAVATION.10/30/02: REC'D SMR. SITE RECLASS HR TO  
LR. (NO SOFTWARE REC'D). E-MAILED J. WHITE AND REQUESTED  
IT E-MAILED TO ME. Bsg10/31/02: REC'D TIER 2 SMR SOFTWARE  
AND MTBE PER E-MAIL FROM J. WHITE. Bsg10/29/03: REC'D SMR.  
SMR TIER 2 DISK. MTBE. SITE RECLASS FROM LR MONITORING TO  
NAR. Bsg03/31/04: Reviewed 2002 SMR and OE report they are  
acceptable with comments site reclass low risk soils nfa.  
Reviewed 2003 SMR it is acceptable reclassified the site  
nfa with comments sent nfa ltr. tvb07/29/04: REC'D  
ABANDONED WATER WELL PLUGGING RECORDS & LEGAL DESCRIPTION.  
Bsg

UST:

Facility Id: 16607  
Loc Id: 16607  
Registration: 199017001  
Owner Type: 2  
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: 08/31/1990  
Created By: migration  
Created Date: 01/08/2007  
Changed By: migration  
Last Changed: 01/08/2007  
Latitude: 40.82323  
Longitude: -91.22294

Tank Info:

Tank Num: 41068  
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: 44867  
In Use: False  
Tank Type: 1  
Tank Brand Id: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**U003935499**

Inert Material Id: Not reported  
Filled In Place: False  
Material Construction: Not reported  
Emergency Power Gen: False

Tank Num: 18596  
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: 18597  
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: 18598  
In Use: False  
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

Tank Num: 18599  
In Use: False  
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

Tank Num: 18600  
In Use: False  
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

Tank Num: 18601  
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



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**U003935499**

Emergency Power Gen: Not reported

Tank Num: 18602  
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 Info:

Tank Num: 41068  
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: 44867  
In Use: False  
Tank Type: 1  
Tank Brand Id: Not reported  
Inert Material Id: Not reported  
Filled In Place: False  
Material Construction: Not reported  
Emergency Power Gen: False

Tank Num: 18596  
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: 18597  
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: 18598  
In Use: False  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**U003935499**

Tank Num: 18599  
In Use: False  
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

Tank Num: 18600  
In Use: False  
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

Tank Num: 18601  
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: 18602  
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

**TIER 2:**

Report Year: 2012  
Facility Id: FAIDSIT2A00002257  
State Id: Not reported  
Fire District: IA Army Ammunition Plant FD  
Site Map: False  
Site Coord Abbreviation: False  
Date Signed: 02/20/2013  
Date Modified: 02/20/2013  
Dike Or Other Safeguard: False  
Mailing Address: Not reported  
Mail City: Not reported  
Mail State: Not reported  
Mail Zip: Not reported  
Latitude: 40.82664  
Longitude: -91.22780  
Notes: Not reported

Report Year: 2012  
Facility Id: FAIDSIT2A00002257

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT (Continued)**

**U003935499**

State Id: Not reported  
Fire District: Burlington Fire Department  
Site Map: False  
Site Coord Abbreviation: False  
Date Signed: 01/01/1900  
Date Modified: 02/14/2012  
Dike Or Other Safeguard: False  
Mailing Address: Not reported  
Mail City: Not reported  
Mail State: Not reported  
Mail Zip: Not reported  
Latitude: 40.82663  
Longitude: -91.22780  
Notes: Not reported

Report Year: 2010  
Facility Id: FAIDSIT2A00002257  
State Id: Not reported  
Fire District: Burlington Fire Department  
Site Map: False  
Site Coord Abbreviation: False  
Date Signed: 2011-02-09T10:06:16  
Date Modified: 3/30/2011  
Dike Or Other Safeguard: False  
Mailing Address: Not reported  
Mail City: Not reported  
Mail State: Not reported  
Mail Zip: Not reported  
Latitude: 40.826639999999998  
Longitude: -91.227800999999999  
Notes: Not reported

Report Year: 2009  
Facility Id: FAIDSIT2A00002257  
State Id: IA  
Fire District: Burlington Fire Department  
Site Map: False  
Site Coord Abbreviation: False  
Date Signed: 2010-02-09T09:05:52  
Date Modified: 2010-02-09T09:04:59  
Dike Or Other Safeguard: False  
Mailing Address: Not reported  
Mail City: Not reported  
Mail State: Not reported  
Mail Zip: Not reported  
Latitude: 40.826639999999998  
Longitude: -91.227800999999999  
Notes: Not reported

MAP FINDINGS

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

---

<b>F74</b>			<b>ERNS 99630657</b>
<b>NNW</b>	<b>17575 STATE HWY 79</b>		<b>N/A</b>
<b>&gt; 1</b>	<b>MIDDLETOWN, IA 52638</b>		
<b>3.116 mi.</b>			
<b>16451 ft.</b>	<b>Site 55 of 65 in cluster F</b>		

**Relative: Higher** [Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

<b>Actual: 720 ft. F75</b>			<b>ERNS 99615677</b>
<b>NNW</b>	<b>17575 STATE HWY 79</b>		<b>N/A</b>
<b>&gt; 1</b>	<b>MIDDLETOWN, IA 52638</b>		
<b>3.116 mi.</b>			
<b>16451 ft.</b>	<b>Site 56 of 65 in cluster F</b>		

**Relative: Higher** [Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

<b>Actual: 720 ft. F76</b>			<b>ERNS 2004741174</b>
<b>NNW</b>	<b>17575 STATE HWY 79</b>		<b>N/A</b>
<b>&gt; 1</b>	<b>MIDDLETOWN, IA</b>		
<b>3.116 mi.</b>			
<b>16451 ft.</b>	<b>Site 57 of 65 in cluster F</b>		

**Relative: Higher** [Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

<b>Actual: 720 ft. F77</b>			<b>WI MANIFEST S109151357</b>
<b>NNW</b>	<b>IOWA ARMY AMUNITION PLANT</b>		<b>N/A</b>
<b>&gt; 1</b>	<b>17575 HWY 79</b>		
<b>3.116 mi.</b>	<b>MIDDLETOWN, IA 52638</b>		
<b>16451 ft.</b>	<b>Site 58 of 65 in cluster F</b>		

**Relative: Higher** WI MANIFEST:

Year:	2014
EPA ID:	IA7213820445
FID:	999566590
ACT Code:	201
ACT Status:	A
ACT Code 1:	201
ACT Name:	HW Generator - Large
Contact Title:	CHIEF ENGR
Contact Name:	MATHES GEORGE/CHIEF
Contact Address:	HWY 34
Contact City/State/Zip:	MIDDLETOWN, IA 52638
Contact Telephone:	3097946269
Contact EMail Address:	Not reported

Shipped:

Year:	2014
Manifest Doc Id:	008892263JJK
Copy Type:	TSDCOPY
Gen EPA ID:	IA7213820445
Gen Date:	03/05/2014
GEN Copy Revd Date:	Not reported
TSD Date:	03/14/2014
TSD EPA ID:	WID988580056
TSD Copy Revd Date:	04/08/2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMUNITION PLANT (Continued)**

**S109151357**

Year: 2014  
Manifest Doc Id: 008892280JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 05/22/2014  
GEN Copy Revd Date: Not reported  
TSD Date: 05/30/2014  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 06/11/2014

Year: 2014  
Manifest Doc Id: 008892307JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 08/21/2014  
GEN Copy Revd Date: Not reported  
TSD Date: 08/29/2014  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 09/09/2014

Year: 2014  
Manifest Doc Id: 008892314JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 11/13/2014  
GEN Copy Revd Date: Not reported  
TSD Date: 11/14/2014  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 12/12/2014

Year: 2013  
EPA ID: IA7213820445  
FID: 999566590  
ACT Code: 201  
ACT Status: A  
ACT Code 1: 201  
ACT Name: HW Generator - Large  
Contact Title: CHIEF ENGR  
Contact Name: MATHES GEORGE/CHIEF  
Contact Address: HWY 34  
Contact City/State/Zip: MIDDLETOWN, IA 52638  
Contact Telephone: 3097946269  
Contact EMail Address: Not reported

Shipped:  
Year: 2013  
Manifest Doc Id: 008892163JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 01/09/2013  
GEN Copy Revd Date: Not reported  
TSD Date: 01/11/2013  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 02/15/2013

Year: 2013

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMUNITION PLANT (Continued)**

**S109151357**

Manifest Doc Id: 008892183JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 04/04/2013  
GEN Copy Revd Date: Not reported  
TSD Date: 04/05/2013  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 05/14/2013

Year: 2013  
Manifest Doc Id: 008892184JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 04/04/2013  
GEN Copy Revd Date: Not reported  
TSD Date: 04/05/2013  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 05/14/2013

Year: 2013  
Manifest Doc Id: 008892200JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 06/12/2013  
GEN Copy Revd Date: Not reported  
TSD Date: 06/14/2013  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 07/09/2013

Year: 2013  
Manifest Doc Id: 008892215JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 08/08/2013  
GEN Copy Revd Date: Not reported  
TSD Date: 08/09/2013  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 09/11/2013

Year: 2013  
Manifest Doc Id: 008892224JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 09/25/2013  
GEN Copy Revd Date: Not reported  
TSD Date: 09/26/2013  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 10/10/2013

Year: 2013  
Manifest Doc Id: 008892245JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 12/05/2013  
GEN Copy Revd Date: Not reported  
TSD Date: 12/09/2013  
TSD EPA ID: WID988580056

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMUNITION PLANT (Continued)**

**S109151357**

TSD Copy Revd Date: 01/10/2014

Year: 2012  
EPA ID: IA7213820445  
FID: 999566590  
ACT Code: 201  
ACT Status: A  
ACT Code 1: 201  
ACT Name: HW Generator - Large  
Contact Title: CHIEF ENGR  
Contact Name: MATHES GEORGE/CHIEF  
Contact Address: HWY 34  
Contact City/State/Zip: MIDDLETOWN, IA 52638  
Contact Telephone: 3097946269  
Contact EMail Address: Not reported

Shipped:

Year: 2012  
Manifest Doc Id: 008892043JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 02/22/2012  
GEN Copy Revd Date: Not reported  
TSD Date: 02/23/2012  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 03/13/2012

Year: 2012  
Manifest Doc Id: 008892064JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 04/11/2012  
GEN Copy Revd Date: Not reported  
TSD Date: 04/12/2012  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 05/08/2012

Year: 2012  
Manifest Doc Id: 008892065JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 04/11/2012  
GEN Copy Revd Date: Not reported  
TSD Date: 04/12/2012  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 05/08/2012

Year: 2012  
Manifest Doc Id: 008892085JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 06/20/2012  
GEN Copy Revd Date: Not reported  
TSD Date: 06/22/2012  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 07/13/2012



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMUNITION PLANT (Continued)**

**S109151357**

Year: 2012  
Manifest Doc Id: 008892121JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 09/12/2012  
GEN Copy Revd Date: Not reported  
TSD Date: 09/14/2012  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 10/09/2012

Year: 2012  
Manifest Doc Id: 008892130JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 10/11/2012  
GEN Copy Revd Date: Not reported  
TSD Date: 10/12/2012  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 11/14/2012

Year: 2011  
EPA ID: IA7213820445  
FID: 999566590  
ACT Code: 201  
ACT Status: A  
ACT Code 1: 201  
ACT Name: HW Generator - Large  
Contact Title: CHIEF ENGR  
Contact Name: MATHES GEORGE/CHIEF  
Contact Address: HWY 34  
Contact City/State/Zip: MIDDLETOWN, IA 52638  
Contact Telephone: 3097946269  
Contact EMail Address: Not reported

Shipped:  
Year: 2011  
Manifest Doc Id: 000208352FLE  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 05/19/2011  
GEN Copy Revd Date: Not reported  
TSD Date: 05/20/2011  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 06/09/2011

Year: 2011  
Manifest Doc Id: 002055445JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 06/29/2011  
GEN Copy Revd Date: Not reported  
TSD Date: 07/06/2011  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 08/11/2011

Year: 2011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMUNITION PLANT (Continued)**

**S109151357**

Manifest Doc Id: 002055482JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 09/08/2011  
GEN Copy Revd Date: Not reported  
TSD Date: 09/16/2011  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 10/11/2011

Year: 2011  
Manifest Doc Id: 008892006JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 12/07/2011  
GEN Copy Revd Date: Not reported  
TSD Date: 12/08/2011  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 01/12/2012

Year: 2011  
Manifest Doc Id: 001451489JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 03/02/2011  
GEN Copy Revd Date: Not reported  
TSD Date: 03/03/2011  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 04/05/2011

Year: 2010  
EPA ID: IA7213820445  
FID: 999566590  
ACT Code: 201  
ACT Status: A  
ACT Code 1: 201  
ACT Name: HW Generator - Large  
Contact Title: CHIEF ENGR  
Contact Name: MATHES GEORGE/CHIEF  
Contact Address: HWY 34  
Contact City/State/Zip: MIDDLETOWN, IA 52638  
Contact Telephone: 3097946269  
Contact EMail Address: Not reported

Shipped:  
Year: 2010  
Manifest Doc Id: 001451433JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 02/02/2010  
GEN Copy Revd Date: Not reported  
TSD Date: 02/03/2010  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 04/16/2010

Year: 2010  
Manifest Doc Id: 001451443JJK

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMUNITION PLANT (Continued)**

**S109151357**

Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 04/08/2010  
GEN Copy Revd Date: Not reported  
TSD Date: 04/13/2010  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 07/19/2010

Year: 2010  
Manifest Doc Id: 001451458JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 06/07/2010  
GEN Copy Revd Date: Not reported  
TSD Date: 06/09/2010  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 09/14/2010

Year: 2010  
Manifest Doc Id: 001451461JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 07/01/2010  
GEN Copy Revd Date: Not reported  
TSD Date: 07/08/2010  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 10/13/2010

Year: 2009  
EPA ID: IA7213820445  
FID: 999566590  
ACT Code: 201  
ACT Status: A  
ACT Code 1: 201  
ACT Name: HW Generator - Large  
Contact Title: CHIEF ENGR  
Contact Name: MATHES GEORGE/CHIEF  
Contact Address: HWY 34  
Contact City/State/Zip: MIDDLETOWN, IA 52638  
Contact Telephone: 3097946269  
Contact EMail Address: Not reported

Shipped:  
Year: 2009  
Manifest Doc Id: 001451394JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 07/07/2009  
GEN Copy Revd Date: Not reported  
TSD Date: 07/08/2009  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 11/10/2009

Year: 2009  
Manifest Doc Id: 001451399JJK  
Copy Type: TSDCOPY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMUNITION PLANT (Continued)**

**S109151357**

Gen EPA ID: IA7213820445  
Gen Date: 07/07/2009  
GEN Copy Revd Date: Not reported  
TSD Date: 07/08/2009  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 10/13/2009

Year: 2009  
Manifest Doc Id: 001451401JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 08/04/2009  
GEN Copy Revd Date: Not reported  
TSD Date: 08/05/2009  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 11/10/2009

Year: 2009  
Manifest Doc Id: 001451418JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 10/20/2009  
GEN Copy Revd Date: Not reported  
TSD Date: 10/22/2009  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 12/23/2009

Year: 2009  
Manifest Doc Id: 001451381JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 05/05/2009  
GEN Copy Revd Date: Not reported  
TSD Date: 05/06/2009  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 08/04/2009

Year: 2009  
Manifest Doc Id: 001147895JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 01/30/2009  
GEN Copy Revd Date: Not reported  
TSD Date: 02/02/2009  
TSD EPA ID: WID006089130  
TSD Copy Revd Date: 06/15/2009

Year: 2009  
Manifest Doc Id: 001147898JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 06/16/2009  
GEN Copy Revd Date: Not reported  
TSD Date: 06/22/2009  
TSD EPA ID: WIR000050302  
TSD Copy Revd Date: 07/02/2009

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMUNITION PLANT (Continued)**

**S109151357**

Year: 2009  
Manifest Doc Id: 001451425JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 12/15/2009  
GEN Copy Revd Date: Not reported  
TSD Date: 12/16/2009  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 01/27/2010

Year: 2009  
Manifest Doc Id: 001451372JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 02/10/2009  
GEN Copy Revd Date: Not reported  
TSD Date: 02/11/2009  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 05/01/2009

Year: 2009  
Manifest Doc Id: 001451379JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 03/24/2009  
GEN Copy Revd Date: Not reported  
TSD Date: 03/25/2009  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 06/17/2009

Year: 2009  
Manifest Doc Id: 001451384JJK  
Copy Type: TSDCOPY  
Gen EPA ID: IA7213820445  
Gen Date: 05/05/2009  
GEN Copy Revd Date: Not reported  
TSD Date: 05/06/2009  
TSD EPA ID: WID988580056  
TSD Copy Revd Date: 06/15/2009

Year: 2008  
EPA ID: IA7213820445  
FID: 999566590  
ACT Code: 201  
ACT Status: A  
ACT Code 1: 201  
ACT Name: HW Generator - Large  
Contact Title: CHIEF ENGR  
Contact Name: MATHES GEORGE/CHIEF  
Contact Address: HWY 34  
Contact City/State/Zip: MIDDLETOWN, IA 52638  
Contact Telephone: 3097946269  
Contact EMail Address: Not reported

Year: 2007

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**IOWA ARMY AMUNITION PLANT (Continued)**

**S109151357**

EPA ID: IA7213820445  
 FID: 999566590  
 ACT Code: 201  
 ACT Status: A  
 ACT Code 1: 201  
 ACT Name: HW Generator - Large  
 Contact Title: CHIEF ENGR  
 Contact Name: MATHES GEORGE/CHIEF  
 Contact Address: HWY 34  
 Contact City/State/Zip: MIDDLETOWN, IA 52638  
 Contact Telephone: 3097946269  
 Contact EMail Address: Not reported

**F78**  
**NNW**  
**> 1**  
**3.116 mi.**  
**16451 ft.**

**IOWA ARMY AMMUNITION PLANT - AMERICAN ORDINANCE BENEFICIAL R**  
**17575 DMC HIGHWAY 79**  
**MIDDLETOWN, IA 52638**  
**Site 59 of 65 in cluster F**

**IA SWF/LF** **S108940976**  
**IA SPILLS** **N/A**  
**IA AIRS**

**Relative:**  
**Higher**  
  
**Actual:**  
**720 ft.**

SWF/LF:  
 Facility ID: 29-SDP-10-04  
 Facility Type: Reuse (soil, wastes, exempt materials)  
 Permit Stage: Operation Permit  
 Expiration Date: N/A  
 Project Officer: Buckendahl  
 Affiliation: Primary Contact  
 Phone: Work: (319) 753-7295  
 Contact Name: John Carroll  
 Contact Title: Not reported  
 Contact eMail: Not reported  
 Contact Company: American Ordinance LLC  
 Contact Address: 17575 Highway 79  
 Contact Address2: Not reported  
 Contact City,St,Zip: Middletown, IA 52638-9701  
 Field Office: 6  
 Loc Supplement: Not reported  
 Latitude: 40.828879  
 Longitude: -91.284970

Facility ID: 29-SDP-10-04  
 Facility Type: Reuse (soil, wastes, exempt materials)  
 Permit Stage: Operation Permit  
 Expiration Date: N/A  
 Project Officer: Buckendahl  
 Affiliation: Primary Contact  
 Phone: Work: (319) 753-7422  
 Contact Name: Keith Miller  
 Contact Title: Not reported  
 Contact eMail: kmiller@aolc.biz  
 Contact Company: American Ordinance, LLC  
 Contact Address: Iowa Army Ammunition Plant  
 Contact Address2: 17575 State Highway 79  
 Contact City,St,Zip: Middletown, IA 52638-9701  
 Field Office: 6  
 Loc Supplement: Not reported  
 Latitude: 40.828879  
 Longitude: -91.284970

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT - AMERICAN ORDINANCE BENEFICIAL R (Continued)**

**S108940976**

Facility ID: 29-SDP-10-04  
Facility Type: Reuse (soil, wastes, exempt materials)  
Permit Stage: Operation Permit  
Expiration Date: N/A  
Project Officer: Buckendahl  
Affiliation: Responsible Official of Agency served, Automated Email  
Phone: Work: (319) 753-7101  
Contact Name: Leon Baxter  
Contact Title: Chief Installation Stewardship  
Contact eMail: leon.baxter@us.army.mil  
Contact Company: Iowa Army Ammunition Plant  
Contact Address: 17571 Highway 79  
Contact Address2: Not reported  
Contact City, St, Zip: Middletown, IA 52638-5000  
Field Office: 6  
Loc Supplement: Not reported  
Latitude: 40.828879  
Longitude: -91.284970

Facility ID: 29-SDP-11-06  
Facility Type: Petroleum Contaminated Soil Landfarm  
Permit Stage: Rescission  
Expiration Date: N/A  
Project Officer: Buckendahl  
Affiliation: Primary Contact  
Phone: Work: (319) 753-7114  
Contact Name: Jean Brewster  
Contact Title: Environmental Manager  
Contact eMail: Not reported  
Contact Company: American Ordinance  
Contact Address: 17575 Highway 79  
Contact Address2: Not reported  
Contact City, St, Zip: Middletown, IA 52638-9701  
Field Office: 6  
Loc Supplement: Not reported  
Latitude: 40.828879  
Longitude: -91.284970

Facility ID: 29-SDP-11-06  
Facility Type: Petroleum Contaminated Soil Landfarm  
Permit Stage: Rescission  
Expiration Date: N/A  
Project Officer: Buckendahl  
Affiliation: Primary Contact  
Phone: Work: (319) 753-7295  
Contact Name: John Carroll  
Contact Title: Not reported  
Contact eMail: Not reported  
Contact Company: American Ordinance LLC  
Contact Address: 17575 Highway 79  
Contact Address2: Not reported  
Contact City, St, Zip: Middletown, IA 52638-9701  
Field Office: 6  
Loc Supplement: Not reported  
Latitude: 40.828879  
Longitude: -91.284970



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA ARMY AMMUNITION PLANT - AMERICAN ORDINANCE BENEFICIAL R (Continued)**

**S108940976**

Facility ID: 29-SDP-11-06  
Facility Type: Petroleum Contaminated Soil Landfarm  
Permit Stage: Rescission  
Expiration Date: N/A  
Project Officer: Buckendahl  
Affiliation: Responsible Official of Agency served,Automated Email  
Phone: Work: (319) 753-7422  
Contact Name: Keith Miller  
Contact Title: Not reported  
Contact eMail: kmiller@aolc.biz  
Contact Company: American Ordinance, LLC  
Contact Address: Iowa Army Ammunition Plant  
Contact Address2: 17575 State Highway 79  
Contact City,St,Zip: Middletown, IA 52638-9701  
Field Office: 6  
Loc Supplement: Not reported  
Latitude: 40.828879  
Longitude: -91.284970

**SPILL:**

Facility ID: 022012-JJS-2346  
Reported Date: 02/20/2012  
Reported Time: 23:46:00  
Taken By: Not reported  
Spill Date: Not reported  
Spill Time: Not reported  
6 hr Letter: Not reported  
Continuous Release: Not reported  
Incident Location: Not reported  
Incident Mode: Not reported  
Incident Type: Not reported  
Incident Medium Land: Not reported  
Incident Medium Water: Not reported  
Incident Medium Air: Not reported  
Field Office: 6  
Company Name: American Ordinance  
Company Address1: 17575 State Hwy 79  
Company Address2: Not reported  
Company City/State/Zip: Middletown, IA 52638  
Company Phone: (319)7537414  
Company Fax No: ()  
Company Start Date: 07/24/2009  
Company End Date: Not reported  
Company Contact Name: John Carroll  
Contact Address1: Iowa Army Ammunition Plant  
Company Contact Address2: 17575 State Highway 79  
Company Contact City/State/Zip: Middletown, IA 52638-9701  
Company Contact Phone: (319)7537295  
Company Contact Fax No: ()  
Company Contact Start Date: 07/24/2009  
Company Contact End Date: Not reported  
Initial Instructions: Not reported  
Events: Not reported

**AIRS:**

Facility Number: 29-05-002

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

IOWA ARMY AMMUNITION PLANT - AMERICAN ORDINANCE BENEFICIAL R (Continued)

S108940976

Status: Minor  
Closed?: Yes  
Region: East  
Contact Name: Environmental Coordinator  
Contact Phone: Not reported  
Facility Contact Phone: Not reported  
Mailing Address: 17575 STATE HWY 79  
Mailing Address 2: Not reported  
Mailing City,St,Zip: MIDDLETOWN, IA  
SIC Primary: Not reported  
NAICS Primary: Not reported

Facility Number: 29-05-003  
Status: Minor  
Closed?: No  
Region: East  
Contact Name: Mr. Ronald Durbin  
Contact Phone: (319) 753-7684  
Facility Contact Phone: Not reported  
Mailing Address: PO BOX 147  
Mailing Address 2: Not reported  
Mailing City,St,Zip: MIDDLETOWN, IA 52638-  
SIC Primary: Not reported  
NAICS Primary: Not reported

F79  
NNW  
> 1  
3.116 mi.  
16451 ft.

17575 STATE HWY 79  
MIDDLETOWN, IA 52638  
Site 60 of 65 in cluster F

ERNS 99606974  
N/A

Relative:  
Higher

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual:  
720 ft.  
F80

NNW  
> 1  
3.116 mi.  
16451 ft.

17575 STATE HWY 79, OUTSIDE BUILDING 3-70-1  
MIDDLETOWN, IA  
Site 61 of 65 in cluster F

IA SPILLS S106594616  
N/A

Relative:  
Higher

SPILL:  
Facility ID: 01109-SD-1708  
Reported Date: 01/10/1999  
Reported Time: 5:08:00 PM  
Taken By: SUSAN DIXON  
Spill Date: 01/10/1999  
Spill Time: 4:57:00 PM  
6 hr Letter: No  
Continuous Release: No  
Incident Location: Not reported  
Incident Mode: Handling And Storage  
Incident Type: Other  
Incident Medium Land: Yes  
Incident Medium Water: No  
Incident Medium Air: No  
Field Office: Not reported  
Company Name: Not reported

Actual:  
720 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S106594616

Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported  
Company Contact City/State/Zip: Not reported  
Company Contact Phone: Not reported  
Company Contact Fax No: Not reported  
Company Contact Start Date: Not reported  
Company Contact End Date: Not reported  
Initial Instructions: Not reported  
Events: At 4:57 a sensor failed on a water tank resulting in a small overflow of red water on to the ground.

**F81** ICI AMERICAS INC  
**NNW** 17575 HWY 79  
**> 1** MIDDLETOWN, IA 52638  
**3.116 mi.**  
**16451 ft.** Site 62 of 65 in cluster F

**RCRA-TSDF** 1001218526  
**CORRACTS** IAR000005876  
**RCRA-SQG**  
**FINDS**  
**2020 COR ACTION**

**Relative:**  
**Higher**

RCRA-TSDF:

**Actual:**  
**720 ft.**

Date form received by agency: 01/06/2014  
Facility name: ADVANCED ENVIRONMENTAL TECHNOLOGY  
Facility address: 17575 HWY 79  
MIDDLETOWN, IA 52638  
EPA ID: IAR000005876  
Mailing address: PO BOX 147  
MIDDLETOWN, IA 52638  
Contact: RONALD DURBIN  
Contact address: PO BOX 147  
MIDDLETOWN, IA 52638  
Contact country: Not reported  
Contact telephone: 319 7537684  
Contact email: DURBINRON@YAHOO.COM  
EPA Region: 07  
Land type: Federal  
Classification: TSDF  
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste

Owner/Operator Summary:

Owner/operator name: ADVANCED ENVIRONMENTAL TECHNOLOGY  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: Not reported  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 01/01/2003  
Owner/Op end date: Not reported

Owner/operator name: US ARMY

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

Owner/operator address: COUNTY HWY 79 @IAAAP  
MIDDLETOWN, IA 52638  
Owner/operator country: US  
Owner/operator telephone: 319-753-7684  
Legal status: Federal  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/1941  
Owner/Op end date: Not reported

Owner/operator name: U S ARMY  
Owner/operator address: HWY 79  
MIDDLETOWN, IA 52638  
Owner/operator country: Not reported  
Owner/operator telephone: (319) 753-7101  
Legal status: Federal  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/1941  
Owner/Op end date: Not reported

Owner/operator name: ADVANCED ENVIRONMENTAL TECHNOLOGY  
Owner/operator address: COUNTY HWY 79 @IAAAP  
MIDDLETOWN, IA 52638  
Owner/operator country: US  
Owner/operator telephone: 319-753-7684  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 10/23/2000  
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: Yes  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: D001  
. Waste name: IGNITABLE WASTE  
  
. Waste code: D002  
. Waste name: CORROSIVE WASTE  
  
. Waste code: D003  
. Waste name: REACTIVE WASTE  
  
. Waste code: D005  
. Waste name: BARIUM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

. Waste code:	D006
. Waste name:	CADMIUM
. Waste code:	D007
. Waste name:	CHROMIUM
. Waste code:	D008
. Waste name:	LEAD
. Waste code:	D010
. Waste name:	SELENIUM
. Waste code:	D011
. Waste name:	SILVER
. Waste code:	D018
. Waste name:	BENZENE
. Waste code:	D023
. Waste name:	O-CRESOL
. Waste code:	D024
. Waste name:	M-CRESOL
. Waste code:	D025
. Waste name:	P-CRESOL
. Waste code:	D026
. Waste name:	CRESOL
. Waste code:	D027
. Waste name:	1,4-DICHLOROBENZENE
. Waste code:	D028
. Waste name:	1,2-DICHLOROETHANE
. Waste code:	D029
. Waste name:	1,1-DICHLOROETHYLENE
. Waste code:	D030
. Waste name:	2,4-DINITROTOLUENE
. Waste code:	D033
. Waste name:	HEXACHLOROBUTADIENE
. Waste code:	D034
. Waste name:	HEXACHLOROETHANE
. Waste code:	D035
. Waste name:	METHYL ETHYL KETONE
. Waste code:	D036
. Waste name:	NITROBENZENE
. Waste code:	D040
. Waste name:	TRICHLORETHYLENE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: D041
- . Waste name: 2,4,5-TRICHLOROPHENOL
  
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
  
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
  
- . Waste code: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
  
- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.
  
- . Waste code: P009
- . Waste name: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)
  
- . Waste code: P081
- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
  
- . Waste code: P105
- . Waste name: SODIUM AZIDE
  
- . Waste code: P112
- . Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)
  
- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
  
- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U105
- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
  
- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
  
- . Waste code: U133
- . Waste name: HYDRAZINE (R,T)
  
- . Waste code: U171
- . Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
  
- . Waste code: U186
- . Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

Historical Generators:

Date form received by agency: 07/26/2013

Site name: ADVANCED ENVIRONMENTAL TECHNOLOGY

Classification: Small Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D005
- . Waste name: BARIUM
  
- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D008
- . Waste name: LEAD
  
- . Waste code: D010
- . Waste name: SELENIUM
  
- . Waste code: D011
- . Waste name: SILVER
  
- . Waste code: D018
- . Waste name: BENZENE
  
- . Waste code: D023
- . Waste name: O-CRESOL
  
- . Waste code: D024
- . Waste name: M-CRESOL
  
- . Waste code: D025
- . Waste name: P-CRESOL
  
- . Waste code: D026
- . Waste name: CRESOL
  
- . Waste code: D027
- . Waste name: 1,4-DICHLOROBENZENE
  
- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE
  
- . Waste code: D029
- . Waste name: 1,1-DICHLOROETHYLENE
  
- . Waste code: D030



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

- . Waste name: 2,4-DINITROTOLUENE
- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
- . Waste code: D036
- . Waste name: NITROBENZENE
- . Waste code: D040
- . Waste name: TRICHLORETHYLENE
- . Waste code: D041
- . Waste name: 2,4,5-TRICHLOROPHENOL
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
- . Waste code: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.
- . Waste code: P009
- . Waste name: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)
- . Waste code: P081
- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
- . Waste code: P105
- . Waste name: SODIUM AZIDE
- . Waste code: P112
- . Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)
- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

- . Waste code: U105
- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
  
- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
  
- . Waste code: U133
- . Waste name: HYDRAZINE (R,T)
  
- . Waste code: U171
- . Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
  
- . Waste code: U186
- . Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

Date form received by agency: 09/18/2012

Site name: ADVANCED ENVIRONMENTAL TECHNOLOGY

Classification: Small Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D005
- . Waste name: BARIUM
  
- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D008
- . Waste name: LEAD
  
- . Waste code: D010
- . Waste name: SELENIUM
  
- . Waste code: D011
- . Waste name: SILVER
  
- . Waste code: D018
- . Waste name: BENZENE
  
- . Waste code: D023
- . Waste name: O-CRESOL
  
- . Waste code: D024
- . Waste name: M-CRESOL
  
- . Waste code: D025
- . Waste name: P-CRESOL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: D026
- . Waste name: CRESOL
  
- . Waste code: D027
- . Waste name: 1,4-DICHLOROBENZENE
  
- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE
  
- . Waste code: D029
- . Waste name: 1,1-DICHLOROETHYLENE
  
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
  
- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
  
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
  
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: D036
- . Waste name: NITROBENZENE
  
- . Waste code: D040
- . Waste name: TRICHLORETHYLENE
  
- . Waste code: D041
- . Waste name: 2,4,5-TRICHLOROPHENOL
  
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
  
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
  
- . Waste code: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
  
- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.
  
- . Waste code: P009
- . Waste name: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)
  
- . Waste code: P081

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
- . Waste code: P105
- . Waste name: SODIUM AZIDE
- . Waste code: P112
- . Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)
- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
- . Waste code: U105
- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
- . Waste code: U133
- . Waste name: HYDRAZINE (R,T)
- . Waste code: U171
- . Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
- . Waste code: U186
- . Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

Date form received by agency: 01/19/2012

Site name: ADVANCED ENVIRONMENTAL TECHNOLOGY

Classification: Small Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D003
- . Waste name: REACTIVE WASTE
- . Waste code: D005
- . Waste name: BARIUM
- . Waste code: D006
- . Waste name: CADMIUM
- . Waste code: D007
- . Waste name: CHROMIUM
- . Waste code: D008
- . Waste name: LEAD
- . Waste code: D010
- . Waste name: SELENIUM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: D011
- . Waste name: SILVER
  
- . Waste code: D018
- . Waste name: BENZENE
  
- . Waste code: D023
- . Waste name: O-CRESOL
  
- . Waste code: D024
- . Waste name: M-CRESOL
  
- . Waste code: D025
- . Waste name: P-CRESOL
  
- . Waste code: D026
- . Waste name: CRESOL
  
- . Waste code: D027
- . Waste name: 1,4-DICHLOROBENZENE
  
- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE
  
- . Waste code: D029
- . Waste name: 1,1-DICHLOROETHYLENE
  
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
  
- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
  
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
  
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: D036
- . Waste name: NITROBENZENE
  
- . Waste code: D040
- . Waste name: TRICHLORETHYLENE
  
- . Waste code: D041
- . Waste name: 2,4,5-TRICHLOROPHENOL
  
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
  
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
  
- . Waste code: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
  
- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.
  
- . Waste code: P009
- . Waste name: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)
  
- . Waste code: P081
- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
  
- . Waste code: P105
- . Waste name: SODIUM AZIDE
  
- . Waste code: P112
- . Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)
  
- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
  
- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U105
- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
  
- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
  
- . Waste code: U133
- . Waste name: HYDRAZINE (R,T)
  
- . Waste code: U171
- . Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
  
- . Waste code: U186
- . Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

Date form received by agency: 08/26/2011

Site name: ADVANCED ENVIRONMENTAL TECHNOLOGY

Classification: Small Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D005

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste name: BARIUM
- . Waste code: D006
- . Waste name: CADMIUM
- . Waste code: D007
- . Waste name: CHROMIUM
- . Waste code: D008
- . Waste name: LEAD
- . Waste code: D010
- . Waste name: SELENIUM
- . Waste code: D011
- . Waste name: SILVER
- . Waste code: D018
- . Waste name: BENZENE
- . Waste code: D023
- . Waste name: O-CRESOL
- . Waste code: D024
- . Waste name: M-CRESOL
- . Waste code: D025
- . Waste name: P-CRESOL
- . Waste code: D026
- . Waste name: CRESOL
- . Waste code: D027
- . Waste name: 1,4-DICHLOROBENZENE
- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE
- . Waste code: D029
- . Waste name: 1,1-DICHLOROETHYLENE
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
- . Waste code: D036
- . Waste name: NITROBENZENE
- . Waste code: D040



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste name: TRICHLORETHYLENE
- . Waste code: D041
- . Waste name: 2,4,5-TRICHLOROPHENOL
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
- . Waste code: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.
- . Waste code: P009
- . Waste name: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)
- . Waste code: P081
- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
- . Waste code: P105
- . Waste name: SODIUM AZIDE
- . Waste code: P112
- . Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)
- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
- . Waste code: U105
- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
- . Waste code: U133
- . Waste name: HYDRAZINE (R,T)
- . Waste code: U171
- . Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
- . Waste code: U186
- . Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

Date form received by agency: 10/04/2010  
Site name: ADVANCED ENVIRONMENTAL TECHNOLOGY  
Classification: Small Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D003  
. Waste name: REACTIVE WASTE

. Waste code: D005  
. Waste name: BARIUM

. Waste code: D006  
. Waste name: CADMIUM

. Waste code: D007  
. Waste name: CHROMIUM

. Waste code: D008  
. Waste name: LEAD

. Waste code: D010  
. Waste name: SELENIUM

. Waste code: D011  
. Waste name: SILVER

. Waste code: D018  
. Waste name: BENZENE

. Waste code: D023  
. Waste name: O-CRESOL

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

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

. Waste code: D026  
. Waste name: CRESOL

. Waste code: D027  
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D028  
. Waste name: 1,2-DICHLOROETHANE

. Waste code: D029  
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: D030  
. Waste name: 2,4-DINITROTOLUENE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
  
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
  
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: D036
- . Waste name: NITROBENZENE
  
- . Waste code: D040
- . Waste name: TRICHLORETHYLENE
  
- . Waste code: D041
- . Waste name: 2,4,5-TRICHLOROPHENOL
  
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
  
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
  
- . Waste code: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
  
- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.
  
- . Waste code: P009
- . Waste name: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)
  
- . Waste code: P081
- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
  
- . Waste code: P105
- . Waste name: SODIUM AZIDE
  
- . Waste code: P112
- . Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)
  
- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
  
- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U105

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
- . Waste code: U133
- . Waste name: HYDRAZINE (R,T)
- . Waste code: U171
- . Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
- . Waste code: U186
- . Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

Date form received by agency: 09/13/2010

Site name: ADVANCED ENVIRONMENTAL TECHNOLOGY

Classification: Small Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D003
- . Waste name: REACTIVE WASTE
- . Waste code: D005
- . Waste name: BARIUM
- . Waste code: D006
- . Waste name: CADMIUM
- . Waste code: D007
- . Waste name: CHROMIUM
- . Waste code: D008
- . Waste name: LEAD
- . Waste code: D010
- . Waste name: SELENIUM
- . Waste code: D011
- . Waste name: SILVER
- . Waste code: D018
- . Waste name: BENZENE
- . Waste code: D023
- . Waste name: O-CRESOL
- . Waste code: D024
- . Waste name: M-CRESOL
- . Waste code: D025
- . Waste name: P-CRESOL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: D026
- . Waste name: CRESOL
  
- . Waste code: D027
- . Waste name: 1,4-DICHLOROBENZENE
  
- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE
  
- . Waste code: D029
- . Waste name: 1,1-DICHLOROETHYLENE
  
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
  
- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
  
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
  
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: D036
- . Waste name: NITROBENZENE
  
- . Waste code: D040
- . Waste name: TRICHLORETHYLENE
  
- . Waste code: D041
- . Waste name: 2,4,5-TRICHLOROPHENOL
  
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
  
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
  
- . Waste code: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
  
- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.
  
- . Waste code: P009
- . Waste name: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)
  
- . Waste code: P081

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
- . Waste code: P105
- . Waste name: SODIUM AZIDE
- . Waste code: P112
- . Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)
- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
- . Waste code: U105
- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
- . Waste code: U133
- . Waste name: HYDRAZINE (R,T)
- . Waste code: U171
- . Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
- . Waste code: U186
- . Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

Date form received by agency: 04/07/2010

Site name: ADVANCED ENVIRONMENTAL TECHNOLOGY

Classification: Small Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D003
- . Waste name: REACTIVE WASTE
- . Waste code: D005
- . Waste name: BARIUM
- . Waste code: D006
- . Waste name: CADMIUM
- . Waste code: D007
- . Waste name: CHROMIUM
- . Waste code: D008
- . Waste name: LEAD
- . Waste code: D010
- . Waste name: SELENIUM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: D011
- . Waste name: SILVER
  
- . Waste code: D018
- . Waste name: BENZENE
  
- . Waste code: D023
- . Waste name: O-CRESOL
  
- . Waste code: D024
- . Waste name: M-CRESOL
  
- . Waste code: D025
- . Waste name: P-CRESOL
  
- . Waste code: D026
- . Waste name: CRESOL
  
- . Waste code: D027
- . Waste name: 1,4-DICHLOROBENZENE
  
- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE
  
- . Waste code: D029
- . Waste name: 1,1-DICHLOROETHYLENE
  
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
  
- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
  
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
  
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: D036
- . Waste name: NITROBENZENE
  
- . Waste code: D040
- . Waste name: TRICHLORETHYLENE
  
- . Waste code: D041
- . Waste name: 2,4,5-TRICHLOROPHENOL
  
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
  
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
  
- . Waste code: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
  
- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.
  
- . Waste code: P009
- . Waste name: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)
  
- . Waste code: P081
- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
  
- . Waste code: P105
- . Waste name: SODIUM AZIDE
  
- . Waste code: P112
- . Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)
  
- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
  
- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U105
- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
  
- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
  
- . Waste code: U133
- . Waste name: HYDRAZINE (R,T)
  
- . Waste code: U171
- . Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
  
- . Waste code: U186
- . Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

Date form received by agency: 02/08/2010

Site name: ADVANCED ENVIRONMENTAL TECHNOLOGY

Classification: Conditionally Exempt Small Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D005

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste name: BARIUM
- . Waste code: D006
- . Waste name: CADMIUM
- . Waste code: D007
- . Waste name: CHROMIUM
- . Waste code: D008
- . Waste name: LEAD
- . Waste code: D010
- . Waste name: SELENIUM
- . Waste code: D011
- . Waste name: SILVER
- . Waste code: D018
- . Waste name: BENZENE
- . Waste code: D023
- . Waste name: O-CRESOL
- . Waste code: D024
- . Waste name: M-CRESOL
- . Waste code: D025
- . Waste name: P-CRESOL
- . Waste code: D026
- . Waste name: CRESOL
- . Waste code: D027
- . Waste name: 1,4-DICHLOROBENZENE
- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE
- . Waste code: D029
- . Waste name: 1,1-DICHLOROETHYLENE
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
- . Waste code: D036
- . Waste name: NITROBENZENE
- . Waste code: D040

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

. Waste name: TRICHLORETHYLENE  
. Waste code: D041  
. Waste name: 2,4,5-TRICHLOROPHENOL  
. Waste code: D042  
. Waste name: 2,4,6-TRICHLOROPHENOL  
. Waste code: D043  
. Waste name: VINYL CHLORIDE  
. Waste code: K044  
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.  
. Waste code: K045  
. Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.  
. Waste code: K046  
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.  
. Waste code: K047  
. Waste name: PINK/RED WATER FROM TNT OPERATIONS.  
. Waste code: P009  
. Waste name: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)  
. Waste code: P081  
. Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)  
. Waste code: P105  
. Waste name: SODIUM AZIDE  
. Waste code: P112  
. Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)  
. Waste code: U098  
. Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-  
. Waste code: U099  
. Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-  
. Waste code: U105  
. Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-  
. Waste code: U106  
. Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-  
. Waste code: U133  
. Waste name: HYDRAZINE (R,T)  
. Waste code: U171  
. Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)  
. Waste code: U186  
. Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

Date form received by agency: 08/17/2009  
Site name: AET DEACTIVATION FACILITY  
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D003  
. Waste name: REACTIVE WASTE

. Waste code: D005  
. Waste name: BARIUM

. Waste code: D006  
. Waste name: CADMIUM

. Waste code: D007  
. Waste name: CHROMIUM

. Waste code: D008  
. Waste name: LEAD

. Waste code: D010  
. Waste name: SELENIUM

. Waste code: D011  
. Waste name: SILVER

. Waste code: D018  
. Waste name: BENZENE

. Waste code: D023  
. Waste name: O-CRESOL

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

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

. Waste code: D026  
. Waste name: CRESOL

. Waste code: D027  
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D028  
. Waste name: 1,2-DICHLOROETHANE

. Waste code: D029  
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: D030  
. Waste name: 2,4-DINITROTOLUENE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
  
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
  
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: D036
- . Waste name: NITROBENZENE
  
- . Waste code: D040
- . Waste name: TRICHLORETHYLENE
  
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
  
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
  
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . 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: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

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: F021
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE DERIVATIVES.
  
- . Waste code: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
  
- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.
  
- . Waste code: P009
- . Waste name: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)
  
- . Waste code: P068
- . Waste name: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE
  
- . Waste code: P081
- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
  
- . Waste code: P103
- . Waste name: SELENOUREA
  
- . Waste code: P112
- . Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)
  
- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
  
- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U105
- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
  
- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
  
- . Waste code: U109
- . Waste name: 1,2-DIPHENYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U133
- . Waste name: HYDRAZINE (R,T)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

. Waste code: U171  
. Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)

. Waste code: U186  
. Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

Date form received by agency: 08/12/2008

Site name: AET DEACTIVATION FACILITY

Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D003  
. Waste name: REACTIVE WASTE

. Waste code: D005  
. Waste name: BARIUM

. Waste code: D006  
. Waste name: CADMIUM

. Waste code: D007  
. Waste name: CHROMIUM

. Waste code: D008  
. Waste name: LEAD

. Waste code: D010  
. Waste name: SELENIUM

. Waste code: D011  
. Waste name: SILVER

. Waste code: D018  
. Waste name: BENZENE

. Waste code: D023  
. Waste name: O-CRESOL

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

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

. Waste code: D026  
. Waste name: CRESOL

. Waste code: D027  
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D028  
. Waste name: 1,2-DICHLOROETHANE



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: D029
- . Waste name: 1,1-DICHLOROETHYLENE
  
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
  
- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
  
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
  
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: D036
- . Waste name: NITROBENZENE
  
- . Waste code: D040
- . Waste name: TRICHLOROETHYLENE
  
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
  
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
  
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . 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: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

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: F021
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE DERIVATIVES.
  
- . Waste code: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
  
- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.
  
- . Waste code: P009
- . Waste name: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)
  
- . Waste code: P068
- . Waste name: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE
  
- . Waste code: P081
- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
  
- . Waste code: P103
- . Waste name: SELENOUREA
  
- . Waste code: P112
- . Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)
  
- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
  
- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U105
- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
  
- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

- . Waste code: U109
- . Waste name: 1,2-DIPHENYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U133
- . Waste name: HYDRAZINE (R,T)
  
- . Waste code: U171
- . Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
  
- . Waste code: U186
- . Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

Date form received by agency: 02/11/2008

Site name: ADVANCED ENVIRONMENTAL TECHNOLOGY

Classification: Conditionally Exempt Small Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D005
- . Waste name: BARIUM
  
- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D008
- . Waste name: LEAD
  
- . Waste code: D010
- . Waste name: SELENIUM
  
- . Waste code: D011
- . Waste name: SILVER
  
- . Waste code: D018
- . Waste name: BENZENE
  
- . Waste code: D023
- . Waste name: O-CRESOL
  
- . Waste code: D024
- . Waste name: M-CRESOL
  
- . Waste code: D025
- . Waste name: P-CRESOL
  
- . Waste code: D026
- . Waste name: CRESOL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

- . Waste code: D027
- . Waste name: 1,4-DICHLOROBENZENE
  
- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE
  
- . Waste code: D029
- . Waste name: 1,1-DICHLOROETHYLENE
  
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
  
- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
  
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
  
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: D036
- . Waste name: NITROBENZENE
  
- . Waste code: D040
- . Waste name: TRICHLOROETHYLENE
  
- . Waste code: D041
- . Waste name: 2,4,5-TRICHLOROPHENOL
  
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
  
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
  
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

MIXTURES.

- . Waste code: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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: F021
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE DERIVATIVES.
  
- . Waste code: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
  
- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.
  
- . Waste code: P009
- . Waste name: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)
  
- . Waste code: P068
- . Waste name: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE
  
- . Waste code: P081
- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
  
- . Waste code: P103
- . Waste name: SELENOUREA
  
- . Waste code: P112
- . Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)
  
- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U105
- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
  
- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
  
- . Waste code: U109
- . Waste name: 1,2-DIPHENYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U133
- . Waste name: HYDRAZINE (R,T)
  
- . Waste code: U171
- . Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
  
- . Waste code: U186
- . Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

Date form received by agency: 10/23/2007

Site name: AET DEACTIVATION FACILITY

Classification: Conditionally Exempt Small Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D005
- . Waste name: BARIUM
  
- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D008
- . Waste name: LEAD
  
- . Waste code: D010
- . Waste name: SELENIUM
  
- . Waste code: D011
- . Waste name: SILVER
  
- . Waste code: D018
- . Waste name: BENZENE
  
- . Waste code: D023
- . Waste name: O-CRESOL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

. Waste code:	D024
. Waste name:	M-CRESOL
. Waste code:	D025
. Waste name:	P-CRESOL
. Waste code:	D026
. Waste name:	CRESOL
. Waste code:	D027
. Waste name:	1,4-DICHLOROBENZENE
. Waste code:	D028
. Waste name:	1,2-DICHLOROETHANE
. Waste code:	D029
. Waste name:	1,1-DICHLOROETHYLENE
. Waste code:	D030
. Waste name:	2,4-DINITROTOLUENE
. Waste code:	D033
. Waste name:	HEXACHLOROBUTADIENE
. Waste code:	D034
. Waste name:	HEXACHLOROETHANE
. Waste code:	D035
. Waste name:	METHYL ETHYL KETONE
. Waste code:	D036
. Waste name:	NITROBENZENE
. Waste code:	D040
. Waste name:	TRICHLOROETHYLENE
. Waste code:	D042
. Waste name:	2,4,6-TRICHLOROPHENOL
. Waste code:	D043
. Waste name:	VINYL CHLORIDE
. Waste code:	F002
. Waste name:	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
. 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

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: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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: F021
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE DERIVATIVES.
  
- . Waste code: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
  
- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.
  
- . Waste code: P009
- . Waste name: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)
  
- . Waste code: P068
- . Waste name: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE
  
- . Waste code: P081
- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
  
- . Waste code: P103
- . Waste name: SELENOUREA



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

- . Waste code: P112
- . Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)
  
- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
  
- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U105
- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
  
- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
  
- . Waste code: U109
- . Waste name: 1,2-DIPHENYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U133
- . Waste name: HYDRAZINE (R,T)
  
- . Waste code: U171
- . Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
  
- . Waste code: U186
- . Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

Date form received by agency: 02/20/2007

Site name: AET DEACTIVATION FACILITY

Classification: Conditionally Exempt Small Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D005
- . Waste name: BARIUM
  
- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D008
- . Waste name: LEAD
  
- . Waste code: D010
- . Waste name: SELENIUM
  
- . Waste code: D011
- . Waste name: SILVER

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: D018
- . Waste name: BENZENE
  
- . Waste code: D023
- . Waste name: O-CRESOL
  
- . Waste code: D024
- . Waste name: M-CRESOL
  
- . Waste code: D025
- . Waste name: P-CRESOL
  
- . Waste code: D026
- . Waste name: CRESOL
  
- . Waste code: D027
- . Waste name: 1,4-DICHLOROBENZENE
  
- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE
  
- . Waste code: D029
- . Waste name: 1,1-DICHLOROETHYLENE
  
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
  
- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
  
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
  
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: D036
- . Waste name: NITROBENZENE
  
- . Waste code: D040
- . Waste name: TRICHLORETHYLENE
  
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
  
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
  
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

SPENT SOLVENT MIXTURES.

- . 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: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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: F021
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE DERIVATIVES.
  
- . Waste code: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
  
- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.
  
- . Waste code: P009
- . Waste name: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)
  
- . Waste code: P068
- . Waste name: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: P081
- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
  
- . Waste code: P103
- . Waste name: SELENOUREA
  
- . Waste code: P112
- . Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)
  
- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
  
- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U105
- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
  
- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
  
- . Waste code: U109
- . Waste name: 1,2-DIPHENYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U133
- . Waste name: HYDRAZINE (R,T)
  
- . Waste code: U171
- . Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
  
- . Waste code: U186
- . Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

Date form received by agency: 11/30/2006

Site name: AET DEACTIVATION FACILITY

Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D005
- . Waste name: BARIUM
  
- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D008
- . Waste name: LEAD

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: D010
- . Waste name: SELENIUM
  
- . Waste code: D011
- . Waste name: SILVER
  
- . Waste code: D018
- . Waste name: BENZENE
  
- . Waste code: D023
- . Waste name: O-CRESOL
  
- . Waste code: D024
- . Waste name: M-CRESOL
  
- . Waste code: D025
- . Waste name: P-CRESOL
  
- . Waste code: D026
- . Waste name: CRESOL
  
- . Waste code: D027
- . Waste name: 1,4-DICHLOROBENZENE
  
- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE
  
- . Waste code: D029
- . Waste name: 1,1-DICHLOROETHYLENE
  
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
  
- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
  
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
  
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: D036
- . Waste name: NITROBENZENE
  
- . Waste code: D040
- . Waste name: TRICHLORETHYLENE
  
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
  
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
  
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

- . 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: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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: F021
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE DERIVATIVES.
  
- . Waste code: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
  
- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: P009
- . Waste name: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)
  
- . Waste code: P068
- . Waste name: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE
  
- . Waste code: P081
- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
  
- . Waste code: P103
- . Waste name: SELENOUREA
  
- . Waste code: P112
- . Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)
  
- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
  
- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U105
- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
  
- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
  
- . Waste code: U109
- . Waste name: 1,2-DIPHENYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U133
- . Waste name: HYDRAZINE (R,T)
  
- . Waste code: U171
- . Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
  
- . Waste code: U186
- . Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

Date form received by agency: 08/07/2006

Site name: AET DEACTIVATION FACILITY

Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D005
- . Waste name: BARIUM
  
- . Waste code: D006
- . Waste name: CADMIUM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D009
- . Waste name: MERCURY
  
- . Waste code: D010
- . Waste name: SELENIUM
  
- . Waste code: D011
- . Waste name: SILVER
  
- . Waste code: D018
- . Waste name: BENZENE
  
- . Waste code: D023
- . Waste name: O-CRESOL
  
- . Waste code: D024
- . Waste name: M-CRESOL
  
- . Waste code: D025
- . Waste name: P-CRESOL
  
- . Waste code: D026
- . Waste name: CRESOL
  
- . Waste code: D027
- . Waste name: 1,4-DICHLOROBENZENE
  
- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE
  
- . Waste code: D029
- . Waste name: 1,1-DICHLOROETHYLENE
  
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
  
- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
  
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
  
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: D036
- . Waste name: NITROBENZENE
  
- . Waste code: D037
- . Waste name: PENTACHLOROPHENOL
  
- . Waste code: D040
- . Waste name: TRICHLORETHYLENE



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

- . Waste code: D041
- . Waste name: 2,4,5-TRICHLOROPHENOL
  
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
  
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
  
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . 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: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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: F021
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE DERIVATIVES.
  
- . Waste code: K044

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  - . Waste code: K045
  - . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  - . Waste code: K046
  - . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
  - . Waste code: K047
  - . Waste name: PINK/RED WATER FROM TNT OPERATIONS.
  - . Waste code: P009
  - . Waste name: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)
  - . Waste code: P068
  - . Waste name: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE
  - . Waste code: P081
  - . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
  - . Waste code: P103
  - . Waste name: SELENOUREA
  - . Waste code: P112
  - . Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)
  - . Waste code: U098
  - . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
  - . Waste code: U099
  - . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  - . Waste code: U105
  - . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
  - . Waste code: U106
  - . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
  - . Waste code: U109
  - . Waste name: 1,2-DIPHENYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  - . Waste code: U133
  - . Waste name: HYDRAZINE (R,T)
  - . Waste code: U171
  - . Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
  - . Waste code: U186
  - . Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)
- Date form received by agency: 05/22/2006  
Site name: ADVANCED ENVIRONMENTAL TECHNOLOGY  
Classification: Small Quantity Generator
- . Waste code: D001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D003
- . Waste name: REACTIVE WASTE
- . Waste code: D005
- . Waste name: BARIUM
- . Waste code: D006
- . Waste name: CADMIUM
- . Waste code: D007
- . Waste name: CHROMIUM
- . Waste code: D008
- . Waste name: LEAD
- . Waste code: D010
- . Waste name: SELENIUM
- . Waste code: D011
- . Waste name: SILVER
- . Waste code: D018
- . Waste name: BENZENE
- . Waste code: D023
- . Waste name: O-CRESOL
- . Waste code: D024
- . Waste name: M-CRESOL
- . Waste code: D025
- . Waste name: P-CRESOL
- . Waste code: D026
- . Waste name: CRESOL
- . Waste code: D027
- . Waste name: 1,4-DICHLOROBENZENE
- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE
- . Waste code: D029
- . Waste name: 1,1-DICHLOROETHYLENE
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
- . Waste code: D034

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste name: HEXACHLOROETHANE
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
- . Waste code: D036
- . Waste name: NITROBENZENE
- . Waste code: D040
- . Waste name: TRICHLORETHYLENE
- . Waste code: D041
- . Waste name: 2,4,5-TRICHLOROPHENOL
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
- . 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: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

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: F021
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE DERIVATIVES.
  
- . Waste code: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
  
- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.
  
- . Waste code: P009
- . Waste name: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)
  
- . Waste code: P068
- . Waste name: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE
  
- . Waste code: P081
- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
  
- . Waste code: P103
- . Waste name: SELENOUREA
  
- . Waste code: P112
- . Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)
  
- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
  
- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U105
- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
  
- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
  
- . Waste code: U109
- . Waste name: 1,2-DIPHENYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U133
- . Waste name: HYDRAZINE (R,T)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

. Waste code: U171  
. Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)

. Waste code: U186  
. Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

Date form received by agency: 05/22/2006

Site name: AET DEACTIVATION FACILITY

Classification: Large Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D003  
. Waste name: REACTIVE WASTE

. Waste code: D005  
. Waste name: BARIUM

. Waste code: D006  
. Waste name: CADMIUM

. Waste code: D007  
. Waste name: CHROMIUM

. Waste code: D009  
. Waste name: MERCURY

. Waste code: D010  
. Waste name: SELENIUM

. Waste code: D011  
. Waste name: SILVER

. Waste code: D018  
. Waste name: BENZENE

. Waste code: D023  
. Waste name: O-CRESOL

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

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

. Waste code: D026  
. Waste name: CRESOL

. Waste code: D027  
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D028  
. Waste name: 1,2-DICHLOROETHANE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: D029
- . Waste name: 1,1-DICHLOROETHYLENE
  
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
  
- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
  
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
  
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: D036
- . Waste name: NITROBENZENE
  
- . Waste code: D037
- . Waste name: PENTACHLOROPHENOL
  
- . Waste code: D040
- . Waste name: TRICHLORETHYLENE
  
- . Waste code: D041
- . Waste name: 2,4,5-TRICHLOROPHENOL
  
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
  
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
  
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . 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: F004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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: F021
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE DERIVATIVES.
- . Waste code: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.
- . Waste code: P009
- . Waste name: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)
- . Waste code: P068
- . Waste name: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE
- . Waste code: P081
- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
- . Waste code: P103
- . Waste name: SELENOUREA
- . Waste code: P112
- . Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)
- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

- . Waste code: U105
- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
  
- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
  
- . Waste code: U109
- . Waste name: 1,2-DIPHENYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U133
- . Waste name: HYDRAZINE (R,T)
  
- . Waste code: U171
- . Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
  
- . Waste code: U186
- . Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

Date form received by agency: 10/04/2004

Site name: AET DEACTIVATION FACILITY

Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D005
- . Waste name: BARIUM
  
- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D009
- . Waste name: MERCURY
  
- . Waste code: D010
- . Waste name: SELENIUM
  
- . Waste code: D011
- . Waste name: SILVER
  
- . Waste code: D018
- . Waste name: BENZENE
  
- . Waste code: D023
- . Waste name: O-CRESOL
  
- . Waste code: D024
- . Waste name: M-CRESOL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: D025
- . Waste name: P-CRESOL
  
- . Waste code: D026
- . Waste name: CRESOL
  
- . Waste code: D027
- . Waste name: 1,4-DICHLOROBENZENE
  
- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE
  
- . Waste code: D029
- . Waste name: 1,1-DICHLOROETHYLENE
  
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
  
- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
  
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
  
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: D036
- . Waste name: NITROBENZENE
  
- . Waste code: D037
- . Waste name: PENTACHLOROPHENOL
  
- . Waste code: D040
- . Waste name: TRICHLORETHYLENE
  
- . Waste code: D041
- . Waste name: 2,4,5-TRICHLOROPHENOL
  
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
  
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
  
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . Waste code: F003

MAP FINDINGS

**ICI AMERICAS INC (Continued)**

**1001218526**

- . 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: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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: F021
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE DERIVATIVES.
  
- . Waste code: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
  
- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.
  
- . Waste code: P009
- . Waste name: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)
  
- . Waste code: P068
- . Waste name: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE
  
- . Waste code: P081
- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: P103
- . Waste name: SELENOUREA
  
- . Waste code: P112
- . Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)
  
- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
  
- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U105
- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
  
- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
  
- . Waste code: U109
- . Waste name: 1,2-DIPHENYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U133
- . Waste name: HYDRAZINE (R,T)
  
- . Waste code: U171
- . Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
  
- . Waste code: U186
- . Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

Date form received by agency: 03/26/2004

Site name: AET DEACTIVATION FACILITY

Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D005
- . Waste name: BARIUM
  
- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D008
- . Waste name: LEAD
  
- . Waste code: D010
- . Waste name: SELENIUM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: D011
- . Waste name: SILVER
  
- . Waste code: D018
- . Waste name: BENZENE
  
- . Waste code: D023
- . Waste name: O-CRESOL
  
- . Waste code: D024
- . Waste name: M-CRESOL
  
- . Waste code: D025
- . Waste name: P-CRESOL
  
- . Waste code: D026
- . Waste name: CRESOL
  
- . Waste code: D027
- . Waste name: 1,4-DICHLOROBENZENE
  
- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE
  
- . Waste code: D029
- . Waste name: 1,1-DICHLOROETHYLENE
  
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
  
- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
  
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
  
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: D036
- . Waste name: NITROBENZENE
  
- . Waste code: D037
- . Waste name: PENTACHLOROPHENOL
  
- . Waste code: D040
- . Waste name: TRICHLORETHYLENE
  
- . Waste code: D041
- . Waste name: 2,4,5-TRICHLOROPHENOL
  
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
  
- . Waste code: D043
- . Waste name: VINYL CHLORIDE

MAP FINDINGS

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . 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: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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: F021
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE DERIVATIVES.
  
- . Waste code: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.
  
- . Waste code: P009
- . Waste name: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)
  
- . Waste code: P068
- . Waste name: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE
  
- . Waste code: P081
- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
  
- . Waste code: P103
- . Waste name: SELENOUREA
  
- . Waste code: P112
- . Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)
  
- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
  
- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U105
- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
  
- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
  
- . Waste code: U109
- . Waste name: 1,2-DIPHENYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U133
- . Waste name: HYDRAZINE (R,T)
  
- . Waste code: U171
- . Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
  
- . Waste code: U186
- . Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

Date form received by agency: 01/19/2000

Site name: AET DEACTIVATION FACILITY

Classification: Not a generator, verified

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D005
- . Waste name: BARIUM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

- . Waste code: D006
- . Waste name: CADMIUM
  
- . Waste code: D007
- . Waste name: CHROMIUM
  
- . Waste code: D008
- . Waste name: LEAD
  
- . Waste code: D010
- . Waste name: SELENIUM
  
- . Waste code: D011
- . Waste name: SILVER
  
- . Waste code: D018
- . Waste name: BENZENE
  
- . Waste code: D023
- . Waste name: O-CRESOL
  
- . Waste code: D024
- . Waste name: M-CRESOL
  
- . Waste code: D025
- . Waste name: P-CRESOL
  
- . Waste code: D026
- . Waste name: CRESOL
  
- . Waste code: D027
- . Waste name: 1,4-DICHLOROBENZENE
  
- . Waste code: D028
- . Waste name: 1,2-DICHLOROETHANE
  
- . Waste code: D029
- . Waste name: 1,1-DICHLOROETHYLENE
  
- . Waste code: D030
- . Waste name: 2,4-DINITROTOLUENE
  
- . Waste code: D033
- . Waste name: HEXACHLOROBUTADIENE
  
- . Waste code: D034
- . Waste name: HEXACHLOROETHANE
  
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: D036
- . Waste name: NITROBENZENE
  
- . Waste code: D037
- . Waste name: PENTACHLOROPHENOL



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

- . Waste code: D040
- . Waste name: TRICHLORETHYLENE
  
- . Waste code: D041
- . Waste name: 2,4,5-TRICHLOROPHENOL
  
- . Waste code: D042
- . Waste name: 2,4,6-TRICHLOROPHENOL
  
- . Waste code: D043
- . Waste name: VINYL CHLORIDE
  
- . Waste code: F002
- . Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
  
- . 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: F004
- . Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; 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, 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: F021
- . Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

ICI AMERICAS INC (Continued)

1001218526

PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE DERIVATIVES.

- . Waste code: K044
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES.
  
- . Waste code: K045
- . Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES.
  
- . Waste code: K046
- . Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION, AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.
  
- . Waste code: K047
- . Waste name: PINK/RED WATER FROM TNT OPERATIONS.
  
- . Waste code: P009
- . Waste name: AMMONIUM PICRATE (R) (OR) PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (R)
  
- . Waste code: P068
- . Waste name: HYDRAZINE, METHYL- (OR) METHYL HYDRAZINE
  
- . Waste code: P081
- . Waste name: 1,2,3-PROPANETRIOL, TRINITRATE (R) (OR) NITROGLYCERINE (R)
  
- . Waste code: P103
- . Waste name: SELENOUREA
  
- . Waste code: P112
- . Waste name: METHANE, TETRANITRO- (R) (OR) TETRANITROMETHANE (R)
  
- . Waste code: U098
- . Waste name: 1,1-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,1-DIMETHYL-
  
- . Waste code: U099
- . Waste name: 1,2-DIMETHYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U105
- . Waste name: 2,4-DINITROTOLUENE (OR) BENZENE, 1-METHYL-2,4-DINITRO-
  
- . Waste code: U106
- . Waste name: 2,6-DINITROTOLUENE (OR) BENZENE, 2-METHYL-1,3-DINITRO-
  
- . Waste code: U109
- . Waste name: 1,2-DIPHENYLHYDRAZINE (OR) HYDRAZINE, 1,2-DIPHENYL-
  
- . Waste code: U133
- . Waste name: HYDRAZINE (R,T)
  
- . Waste code: U171
- . Waste name: 2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
  
- . Waste code: U186
- . Waste name: 1,3-PENTADIENE (I) (OR) 1-METHYLBUTADIENE (I)

Biennial Reports:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

Last Biennial Reporting Year: 2013

Annual Waste Handled:

Waste code:	D003
Waste name:	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs):	2900
Waste code:	D030
Waste name:	2,4-DINITROTOLUENE
Amount (Lbs):	2900

Corrective Action Summary:

Event date:	08/29/2013
Event:	RFA Determination Of Need For An RFI, RFI is Not Necessary;
Event date:	08/29/2013
Event:	RFI Approved
Event date:	09/24/2013
Event:	Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.
Event date:	05/29/2014
Event:	Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Facility Has Received Notices of Violations:

Regulation violated:	Not reported
Area of violation:	TSD - Financial Requirements
Date violation determined:	11/05/2007
Date achieved compliance:	12/06/2007
Violation lead agency:	EPA
Enforcement action:	Not reported
Enforcement action date:	Not reported
Enf. disposition status:	Not reported
Enf. disp. status date:	Not reported
Enforcement lead agency:	Not reported
Proposed penalty amount:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: TSD - Financial Requirements  
Date violation determined: 09/24/2007  
Date achieved compliance: 12/28/2007  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 09/24/2007  
Enf. disposition status: Action Satisfied (Case Closed)  
Enf. disp. status date: 12/28/2007  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 262.41  
Area of violation: Generators - Records/Reporting  
Date violation determined: 05/05/2006  
Date achieved compliance: 05/24/2006  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 05/15/2006  
Enf. disposition status: Action Satisfied (Case Closed)  
Enf. disp. status date: 05/24/2006  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 264.143(a)(3)(i)  
Area of violation: TSD - Financial Requirements  
Date violation determined: 07/01/2005  
Date achieved compliance: 02/13/2006  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 07/21/2005  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 264.142(b)  
Area of violation: TSD - Financial Requirements  
Date violation determined: 07/01/2005  
Date achieved compliance: 02/14/2006  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 07/21/2005  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 07/31/2014  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 07/18/2013  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 09/18/2012  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 10/31/2011  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 07/21/2011  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 09/30/2010  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 08/02/2010  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 07/22/2009  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 08/12/2008  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

Evaluation date: 12/06/2007  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 11/05/2007  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: TSD - Financial Requirements  
Date achieved compliance: 12/28/2007  
Evaluation lead agency: EPA

Evaluation date: 11/05/2007  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: TSD - Financial Requirements  
Date achieved compliance: 12/06/2007  
Evaluation lead agency: EPA

Evaluation date: 09/24/2007  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - Financial Requirements  
Date achieved compliance: 12/28/2007  
Evaluation lead agency: EPA

Evaluation date: 08/07/2006  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 05/05/2006  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Generators - Records/Reporting  
Date achieved compliance: 05/24/2006  
Evaluation lead agency: EPA

Evaluation date: 07/01/2005  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: TSD - Financial Requirements  
Date achieved compliance: 02/13/2006  
Evaluation lead agency: EPA

Evaluation date: 07/01/2005  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: TSD - Financial Requirements  
Date achieved compliance: 02/14/2006  
Evaluation lead agency: EPA

Evaluation date: 09/30/2004  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 09/22/2004  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 03/03/2004  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 09/08/2003  
Evaluation: FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

**CORRACTS:**

EPA ID: IAR00005876  
EPA Region: 07  
Area Name: ENTIRE FACILITY  
Actual Date: 20130924  
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified  
NAICS Code(s): 562211  
Hazardous Waste Treatment and Disposal  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: IAR00005876  
EPA Region: 07  
Area Name: ENTIRE FACILITY  
Actual Date: 20130829  
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary  
NAICS Code(s): 562211  
Hazardous Waste Treatment and Disposal  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: IAR00005876  
EPA Region: 07  
Area Name: ENTIRE FACILITY  
Actual Date: 20130829  
Action: CA200 - RFI Approved  
NAICS Code(s): 562211  
Hazardous Waste Treatment and Disposal  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: IAR00005876  
EPA Region: 07  
Area Name: ENTIRE FACILITY  
Actual Date: 20140529  
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified  
NAICS Code(s): 562211  
Hazardous Waste Treatment and Disposal  
Original schedule date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ICI AMERICAS INC (Continued)**

**1001218526**

Schedule end date: Not reported

**FINDS:**

Registry ID: 110000914002

**Environmental Interest/Information System**

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

**2020 COR ACTION:**

EPA ID: IAR000005876  
Region: 7  
Action: Not reported

**F82  
NNW  
> 1  
3.116 mi.  
16451 ft.**

**IOWA ARMY AMMUNITION PLT  
17575 STATE HWY 79  
MIDDLETOWN, IA 52638  
Site 63 of 65 in cluster F**

**PADS 1015757423  
IA7213820445**

**Relative:  
Higher**

**PADS:**

**Actual:  
720 ft.**

EPAID: IA7213820445  
Facility name: IOWA ARMY AMMUNITION PLT  
Facility Address: 17575 STATE HWY 79  
MIDDLETOWN, IA 52638-9701  
Facility country: US  
Generator: Yes  
Storer: No  
Transporter: No  
Disposer: No  
Research facility: No  
Smelter: No  
Facility owner name: US GOVERNMENT  
Contact title: Not reported  
Contact name: DARLENE NORTON  
Contact tel: (319)753-7613  
Contact extension: Not reported  
Mailing address: 17575 STATE HWY 79  
MIDDLETOWN, IA 52638-9701  
Mailing country: US  
Cert. title: Not reported  
Cert. name: Not reported  
Cert. date: 04/02/1990  
Date received: 05/30/1990



MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**F83**  
**NNW**      **17577 STATE HWY 79\**  
**> 1**        **MIDDLETOWN, IA**  
**3.116 mi.**  
**16453 ft.**    **Site 64 of 65 in cluster F**

**IA SPILLS**    **S106597372**  
**N/A**

**Relative:**      **SPILL:**  
**Higher**

Facility ID:                      08148-RK-0226  
 Reported Date:                  08/14/1998  
 Reported Time:                  2:26:00 AM  
 Taken By:                         RON KOZEL  
 Spill Date:                        08/14/1998  
 Spill Time:                        2:12:00 AM  
 6 hr Letter:                      No  
 Continuous Release:            No  
 Incident Location:               Not reported  
 Incident Mode:                  Handling And Storage  
 Incident Type:                  Other Chemical  
 Incident Medium Land:         Yes  
 Incident Medium Water:        No  
 Incident Medium Air:          No  
 Field Office:                    Not reported  
 Company Name:                  Not reported  
 Company Address1:              Not reported  
 Company Address2:              Not reported  
 Company City/State/Zip:       Not reported  
 Company Phone:                 Not reported  
 Company Fax No:                Not reported  
 Company Start Date:            Not reported  
 Company End Date:              Not reported  
 Company Contact Name:        Not reported  
 Contact Address1:               Not reported  
 Company Contact Address2:    Not reported  
 Company Contact City/State/Zip: Not reported  
 Company Contact Phone:        Not reported  
 Company Contact Fax No:       Not reported  
 Company Contact Start Date:   Not reported  
 Company Contact End Date:    Not reported  
 Initial Instructions:            Not reported  
 Events:                            A sump containing the material overflowed.

**F84**  
**NNW**      **17575 HWY 79**  
**> 1**        **MIDDLETOWN, IA**  
**3.117 mi.**  
**16457 ft.**    **Site 65 of 65 in cluster F**

**IA SPILLS**    **S105273178**  
**N/A**

**Relative:**      **SPILL:**  
**Higher**

Facility ID:                      052301-CWO-0017  
 Reported Date:                  05/23/2001  
 Reported Time:                  12:17:00 AM  
 Taken By:                         Clark Ott  
 Spill Date:                        05/23/2001  
 Spill Time:                        12:00:00 AM  
 6 hr Letter:                      FALSE  
 Continuous Release:            FALSE  
 Incident Location:               Not reported  
 Incident Mode:                  Handling And Storage  
 Incident Type:                  Other Chemical  
 Incident Medium Land:         TRUE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S105273178

Incident Medium Water:	FALSE
Incident Medium Air:	FALSE
Field Office:	Not reported
Company Name:	Not reported
Company Address1:	Not reported
Company Address2:	Not reported
Company City/State/Zip:	Not reported
Company Phone:	Not reported
Company Fax No:	Not reported
Company Start Date:	Not reported
Company End Date:	Not reported
Company Contact Name:	Not reported
Contact Address1:	Not reported
Company Contact Address2:	Not reported
Company Contact City/State/Zip:	Not reported
Company Contact Phone:	Not reported
Company Contact Fax No:	Not reported
Company Contact Start Date:	Not reported
Company Contact End Date:	Not reported
Initial Instructions:	The facility's fire dept. responded and performed clean up of the site.
Events:	Apparently a sump overflowed and went into a ditch. Material lost was KO-47, a component for TNT. KO-47 in this liquid form is also known as "pink water".
Facility ID:	06099-CWO-1959
Reported Date:	06/09/1999
Reported Time:	Not reported
Taken By:	CLARK OTT
Spill Date:	06/09/1999
Spill Time:	Not reported
6 hr Letter:	No
Continuous Release:	No
Incident Location:	Not reported
Incident Mode:	Handling And Storage
Incident Type:	Other
Incident Medium Land:	Yes
Incident Medium Water:	No
Incident Medium Air:	No
Field Office:	Not reported
Company Name:	Not reported
Company Address1:	Not reported
Company Address2:	Not reported
Company City/State/Zip:	Not reported
Company Phone:	Not reported
Company Fax No:	Not reported
Company Start Date:	Not reported
Company End Date:	Not reported
Company Contact Name:	Not reported
Contact Address1:	Not reported
Company Contact Address2:	Not reported
Company Contact City/State/Zip:	Not reported
Company Contact Phone:	Not reported
Company Contact Fax No:	Not reported
Company Contact Start Date:	Not reported
Company Contact End Date:	Not reported
Initial Instructions:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

(Continued)

S105273178

Events: SUMP TROUGH OVERFLOWED

Facility ID: 08067-RK-1445  
 Reported Date: 08/06/1997  
 Reported Time: 2:45:00 PM  
 Taken By: RON KOZEL  
 Spill Date: 08/06/1997  
 Spill Time: 2:09:00 PM  
 6 hr Letter: No  
 Continuous Release: No  
 Incident Location: Not reported  
 Incident Mode: Handling And Storage  
 Incident Type: Other Chemical  
 Incident Medium Land: Yes  
 Incident Medium Water: No  
 Incident Medium Air: No  
 Field Office: Not reported  
 Company Name: Not reported  
 Company Address1: Not reported  
 Company Address2: Not reported  
 Company City/State/Zip: Not reported  
 Company Phone: Not reported  
 Company Fax No: Not reported  
 Company Start Date: Not reported  
 Company End Date: Not reported  
 Company Contact Name: Not reported  
 Contact Address1: Not reported  
 Company Contact Address2: Not reported  
 Company Contact City/State/Zip: Not reported  
 Company Contact Phone: Not reported  
 Company Contact Fax No: Not reported  
 Company Contact Start Date: Not reported  
 Company Contact End Date: Not reported  
 Initial Instructions: Not reported  
 Events: Water contaminated with explosives was spilled on gravel. Jansen did not know the cause.

G85  
 SW  
 > 1  
 3.139 mi.  
 16572 ft.

**GREAT RIVER MATERIALS, LLC - HERITAGE QUARRY**  
**1444 320TH AVENUE**  
**WEVER, IA 52658**

**IA NPDES S110479391**  
**N/A**

**Site 1 of 2 in cluster G**

**Relative:**  
**Lower**

NPDES:  
 Permit Number: 5600117  
 Epa Npdes Id Number: 0082902  
 Permit Expiration Date: 04/30/2015  
 Facility Name: GREAT RIVER MATERIALS, LLC - HERITAGE QUARRY  
 Facility Address1: 1444 320TH AVENUE  
 Facility City: WEVER  
 Facility Phone Number: Not reported  
 Facility Type: INDUSTRIAL  
 Facility Class: MINOR  
 Standard Industrial Classification Code: 1422  
 Owner Name: DOUDS STONE LLC  
 Owner Add1: 14242 TERMINAL AVE  
 Owner Add2: PO BOX 717  
 Owner City: OTTUMWA

**Actual:**  
**651 ft.**

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**GREAT RIVER MATERIALS, LLC - HERITAGE QUARRY (Continued)**

**S110479391**

Owner State: IA  
 Owner Zip: 52501  
 Owner Phone: (641)682-1671  
 InDr Regional/Field Office Number: 6  
 Section: 26  
 Township: 69  
 Range: 04  
 Latitude Degree: 40.74938  
 Longitude Degree: -91.29202  
 River Basin: DES MOINES RIVER BELOW WHITEBREAST CREEK  
 Type Of Treatment: NO TREATMENT  
 Design Population Equivalent: Not reported  
 Design Biochemical Oxygen Demand: Not reported  
 Design Avg Dry Weather Flow (Mll Glns Per Dy): Not reported  
 Design Avg Wet Weather Flow (Mll Glns Per Dy): Not reported  
 Operator Certification Facility Type: Not reported  
 Operator Certification Facility Grade: Not reported

**G86**  
**SW**  
**> 1**  
**3.139 mi.**  
**16572 ft.**  
**Relative:**  
**Lower**  
**Actual:**  
**651 ft.**

**GREAT RIVER MATERIALS, LLC - HERITAGE QUARRY**  
**1445 320TH AVENUE**  
**WEVER, IA 52658**  
**Site 2 of 2 in cluster G**

**FINDS 1014699887**  
**N/A**

FINDS:

Registry ID: 110040767916

Environmental Interest/Information System

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

**H87**  
**NNE**  
**> 1**  
**3.145 mi.**  
**16605 ft.**  
**Relative:**  
**Higher**  
**Actual:**  
**729 ft.**

**10135 S. PRAIRI GROVE RD**  
**WEST BURLINGTON, IA**  
**Site 1 of 6 in cluster H**

**ERNS 2009911761**  
**N/A**

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

H88  
NNE  
> 1  
3.149 mi.  
16626 ft.

**FERRELLGAS**  
**10135 SOUTH PRAIRIE GROVE ROAD**  
**WEST BURLINGTON, IA 52655**

**FINDS** **1014700753**  
**N/A**

Relative:  
Higher

FINDS:

Registry ID: 110043615371

Actual:  
729 ft.

Environmental Interest/Information System  
IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor  
Documentation) provides information about existing emission factors

H89  
NNE  
> 1  
3.149 mi.  
16626 ft.

**FERRELLGAS**  
**10135 SOUTH PRAIRIE GROVE ROAD**  
**WEST BURLINGTON, IA 52655**

**IA TIER 2** **S109946295**  
**N/A**

Relative:  
Higher

TIER 2:

Report Year: 2014  
Facility Id: 1463  
Id: 5984  
Description: LIQ PETROL GAS (BOT GAS) DEALR SIC  
Last Modified: Not reported

Actual:  
729 ft.

Id: 454310  
Description: Fuel Dealers NAICS  
Last Modified: Not reported

State Id: Not reported  
Fire District: West Burlington Fire Department  
Site Map: Not reported  
Site Coord Abbreviation: Not reported  
Date Signed: 01/14/2008  
Date Modified: 01/08/2015  
Dike Or Other Safeguard: Not reported  
Mailing Address: P.O. Box 3069  
Mail City: Des Moines  
Mail State: IA  
Mail Zip: 50316  
Latitude: 40.82824  
Longitude: -91.24286  
Notes: Not reported

Contact:

Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Steve  
Last Name: Clayton  
Title: Not reported  
Email: steveclayton@ferrellgas.com  
Address: 3901 Waco Road  
City: Columbia  
Country: US  
State: MO  
Zip Code: 65202

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FERRELLGAS (Continued)**

**S109946295**

Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: john  
Last Name: fling  
Title: Not reported  
Email: johnfling@ferrellgas.com  
Address: 2728 main street  
City: keokuk  
Country: US  
State: IA  
Zip Code: 52632  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: MATT  
Last Name: HUGHEY  
Title: Not reported  
Email: matthughey@ferrellgas.com  
Address: 13606 L ST.  
City: OMAHA  
Country: US  
State: NE  
Zip Code: 68137  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Steven  
Last Name: Slabaugh  
Title: Not reported  
Email: steveslabaugh@ferrellgas.com  
Address: 36 24th Street  
City: Windom  
Country: US  
State: MN  
Zip Code: 56101  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: David  
Last Name: Thomas  
Title: Not reported  
Email: davidthomas@ferrellgas.com  
Address: P.O. Box 430  
City: Iowa City  
Country: US  
State: IA  
Zip Code: 52244  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: DENNIS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FERRELLGAS (Continued)**

**S109946295**

Last Name: CAMPBELL  
Title: Not reported  
Email: denniscampbell@ferrellgas.com  
Address: 4415 NE 14TH  
City: DES MOINES  
Country: US  
State: IA  
Zip Code: 50316  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: JOHN  
Last Name: FLING  
Title: Not reported  
Email: johnfling@ferrellgas.com  
Address: 3901 WACO RD  
City: COLUMBIA  
Country: US  
State: MO  
Zip Code: 65202  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Jerry  
Last Name: Russell  
Title: Not reported  
Email: jerryrussell@ferrellgas.com  
Address: 13606 L st  
City: Omaha  
Country: US  
State: NE  
Zip Code: 38137  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Craig  
Last Name: Davisson  
Title: Not reported  
Email: craigdavisson@ferrellgas.com  
Address: PO Box 3069  
City: Des Moines  
Country: US  
State: IA  
Zip Code: 50316  
Type1: Owner / Operator  
Last Modified: Not reported  
Telephone: Not reported  
Telephone Type: Not reported

Contact:  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Steve  
Last Name: Clayton

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FERRELLGAS (Continued)**

**S109946295**

Title: Not reported  
Email: steveclayton@ferrellgas.com  
Address: 3901 Waco Road  
City: Columbia  
Country: US  
State: MO  
Zip Code: 65202  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: john  
Last Name: fling  
Title: Not reported  
Email: johnfling@ferrellgas.com  
Address: 2728 main street  
City: keokuk  
Country: US  
State: IA  
Zip Code: 52632  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: MATT  
Last Name: HUGHEY  
Title: Not reported  
Email: matthughey@ferrellgas.com  
Address: 13606 L ST.  
City: OMAHA  
Country: US  
State: NE  
Zip Code: 68137  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Steven  
Last Name: Slabaugh  
Title: Not reported  
Email: steveslabaugh@ferrellgas.com  
Address: 36 24th Street  
City: Windom  
Country: US  
State: MN  
Zip Code: 56101  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: David  
Last Name: Thomas  
Title: Not reported  
Email: davidthomas@ferrellgas.com  
Address: P.O. Box 430  
City: Iowa City  
Country: US



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FERRELLGAS (Continued)**

**S109946295**

State: IA  
Zip Code: 52244  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: DENNIS  
Last Name: CAMPBELL  
Title: Not reported  
Email: denniscampbell@ferrellgas.com  
Address: 4415 NE 14TH  
City: DES MOINES  
Country: US  
State: IA  
Zip Code: 50316  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: JOHN  
Last Name: FLING  
Title: Not reported  
Email: johnfling@ferrellgas.com  
Address: 3901 WACO RD  
City: COLUMBIA  
Country: US  
State: MO  
Zip Code: 65202  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Jerry  
Last Name: Russell  
Title: Not reported  
Email: jerryrussell@ferrellgas.com  
Address: 13606 L st  
City: Omaha  
Country: US  
State: NE  
Zip Code: 38137  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Craig  
Last Name: Davisson  
Title: Not reported  
Email: craigdavisson@ferrellgas.com  
Address: PO Box 3069  
City: Des Moines  
Country: US  
State: IA  
Zip Code: 50316  
Type1: Owner / Operator  
Last Modified: Not reported  
Telephone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FERRELLGAS (Continued)**

**S109946295**

Telephone Type: Not reported

Contact:

Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Steve  
Last Name: Clayton  
Title: Not reported  
Email: steveclayton@ferrellgas.com  
Address: 3901 Waco Road  
City: Columbia  
Country: US  
State: MO  
Zip Code: 65202  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: john  
Last Name: fling  
Title: Not reported  
Email: johnfling@ferrellgas.com  
Address: 2728 main street  
City: keokuk  
Country: US  
State: IA  
Zip Code: 52632  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: MATT  
Last Name: HUGHEY  
Title: Not reported  
Email: matthughey@ferrellgas.com  
Address: 13606 L ST.  
City: OMAHA  
Country: US  
State: NE  
Zip Code: 68137  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Steven  
Last Name: Slabaugh  
Title: Not reported  
Email: steveslabaugh@ferrellgas.com  
Address: 36 24th Street  
City: Windom  
Country: US  
State: MN  
Zip Code: 56101  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FERRELLGAS (Continued)**

**S109946295**

First Name: David  
Last Name: Thomas  
Title: Not reported  
Email: davidthomas@ferrellgas.com  
Address: P.O. Box 430  
City: Iowa City  
Country: US  
State: IA  
Zip Code: 52244  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: DENNIS  
Last Name: CAMPBELL  
Title: Not reported  
Email: denniscampbell@ferrellgas.com  
Address: 4415 NE 14TH  
City: DES MOINES  
Country: US  
State: IA  
Zip Code: 50316  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: JOHN  
Last Name: FLING  
Title: Not reported  
Email: johnfling@ferrellgas.com  
Address: 3901 WACO RD  
City: COLUMBIA  
Country: US  
State: MO  
Zip Code: 65202  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Jerry  
Last Name: Russell  
Title: Not reported  
Email: jerryrussell@ferrellgas.com  
Address: 13606 L st  
City: Omaha  
Country: US  
State: NE  
Zip Code: 38137  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Craig  
Last Name: Davisson  
Title: Not reported  
Email: craigdavisson@ferrellgas.com  
Address: PO Box 3069

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FERRELLGAS (Continued)**

**S109946295**

City: Des Moines  
Country: US  
State: IA  
Zip Code: 50316  
Type1: Owner / Operator  
Last Modified: Not reported  
Telephone: Not reported  
Telephone Type: Not reported

Contact:

Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Steve  
Last Name: Clayton  
Title: Not reported  
Email: steveclayton@ferrellgas.com  
Address: 3901 Waco Road  
City: Columbia  
Country: US  
State: MO  
Zip Code: 65202  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: john  
Last Name: fling  
Title: Not reported  
Email: johnfling@ferrellgas.com  
Address: 2728 main street  
City: keokuk  
Country: US  
State: IA  
Zip Code: 52632  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: MATT  
Last Name: HUGHEY  
Title: Not reported  
Email: matthughey@ferrellgas.com  
Address: 13606 L ST.  
City: OMAHA  
Country: US  
State: NE  
Zip Code: 68137  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Steven  
Last Name: Slabaugh  
Title: Not reported  
Email: steveslabaugh@ferrellgas.com  
Address: 36 24th Street  
City: Windom

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FERRELLGAS (Continued)**

**S109946295**

Country: US  
State: MN  
Zip Code: 56101  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: David  
Last Name: Thomas  
Title: Not reported  
Email: davidthomas@ferrellgas.com  
Address: P.O. Box 430  
City: Iowa City  
Country: US  
State: IA  
Zip Code: 52244  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: DENNIS  
Last Name: CAMPBELL  
Title: Not reported  
Email: denniscampbell@ferrellgas.com  
Address: 4415 NE 14TH  
City: DES MOINES  
Country: US  
State: IA  
Zip Code: 50316  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: JOHN  
Last Name: FLING  
Title: Not reported  
Email: johnfling@ferrellgas.com  
Address: 3901 WACO RD  
City: COLUMBIA  
Country: US  
State: MO  
Zip Code: 65202  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Jerry  
Last Name: Russell  
Title: Not reported  
Email: jerryrussell@ferrellgas.com  
Address: 13606 L st  
City: Omaha  
Country: US  
State: NE  
Zip Code: 38137  
Type1: Owner / Operator  
Report Year: 2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FERRELLGAS (Continued)**

**S109946295**

Contact Id: 197062  
Date Modified: Not reported  
First Name: Craig  
Last Name: Davisson  
Title: Not reported  
Email: craigdavisson@ferrellgas.com  
Address: PO Box 3069  
City: Des Moines  
Country: US  
State: IA  
Zip Code: 50316  
Type1: Owner / Operator  
Last Modified: Not reported  
Telephone: Not reported  
Telephone Type: Not reported

Contact:  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Steve  
Last Name: Clayton  
Title: Not reported  
Email: steveclayton@ferrellgas.com  
Address: 3901 Waco Road  
City: Columbia  
Country: US  
State: MO  
Zip Code: 65202  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: john  
Last Name: fling  
Title: Not reported  
Email: johnfling@ferrellgas.com  
Address: 2728 main street  
City: keokuk  
Country: US  
State: IA  
Zip Code: 52632  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: MATT  
Last Name: HUGHEY  
Title: Not reported  
Email: matthughey@ferrellgas.com  
Address: 13606 L ST.  
City: OMAHA  
Country: US  
State: NE  
Zip Code: 68137  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FERRELLGAS (Continued)**

**S109946295**

Date Modified: Not reported  
First Name: Steven  
Last Name: Slabaugh  
Title: Not reported  
Email: steveslabaugh@ferrellgas.com  
Address: 36 24th Street  
City: Windom  
Country: US  
State: MN  
Zip Code: 56101  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: David  
Last Name: Thomas  
Title: Not reported  
Email: davidthomas@ferrellgas.com  
Address: P.O. Box 430  
City: Iowa City  
Country: US  
State: IA  
Zip Code: 52244  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: DENNIS  
Last Name: CAMPBELL  
Title: Not reported  
Email: denniscampbell@ferrellgas.com  
Address: 4415 NE 14TH  
City: DES MOINES  
Country: US  
State: IA  
Zip Code: 50316  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: JOHN  
Last Name: FLING  
Title: Not reported  
Email: johnfling@ferrellgas.com  
Address: 3901 WACO RD  
City: COLUMBIA  
Country: US  
State: MO  
Zip Code: 65202  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Jerry  
Last Name: Russell  
Title: Not reported  
Email: jerryrussell@ferrellgas.com

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FERRELLGAS (Continued)**

**S109946295**

Address: 13606 L st  
City: Omaha  
Country: US  
State: NE  
Zip Code: 38137  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Craig  
Last Name: Davisson  
Title: Not reported  
Email: craigdavisson@ferrellgas.com  
Address: PO Box 3069  
City: Des Moines  
Country: US  
State: IA  
Zip Code: 50316  
Type1: Owner / Operator  
Last Modified: Not reported  
Telephone: Not reported  
Telephone Type: Not reported

Contact:  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Steve  
Last Name: Clayton  
Title: Not reported  
Email: steveclayton@ferrellgas.com  
Address: 3901 Waco Road  
City: Columbia  
Country: US  
State: MO  
Zip Code: 65202  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: john  
Last Name: fling  
Title: Not reported  
Email: johnfling@ferrellgas.com  
Address: 2728 main street  
City: keokuk  
Country: US  
State: IA  
Zip Code: 52632  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: MATT  
Last Name: HUGHEY  
Title: Not reported  
Email: matthughey@ferrellgas.com  
Address: 13606 L ST.



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FERRELLGAS (Continued)**

**S109946295**

City: OMAHA  
Country: US  
State: NE  
Zip Code: 68137  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Steven  
Last Name: Slabaugh  
Title: Not reported  
Email: steveslabaugh@ferrellgas.com  
Address: 36 24th Street  
City: Windom  
Country: US  
State: MN  
Zip Code: 56101  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: David  
Last Name: Thomas  
Title: Not reported  
Email: davidthomas@ferrellgas.com  
Address: P.O. Box 430  
City: Iowa City  
Country: US  
State: IA  
Zip Code: 52244  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: DENNIS  
Last Name: CAMPBELL  
Title: Not reported  
Email: denniscampbell@ferrellgas.com  
Address: 4415 NE 14TH  
City: DES MOINES  
Country: US  
State: IA  
Zip Code: 50316  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: JOHN  
Last Name: FLING  
Title: Not reported  
Email: johnfling@ferrellgas.com  
Address: 3901 WACO RD  
City: COLUMBIA  
Country: US  
State: MO  
Zip Code: 65202  
Type1: Owner / Operator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FERRELLGAS (Continued)**

**S109946295**

Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Jerry  
Last Name: Russell  
Title: Not reported  
Email: jerryrussell@ferrellgas.com  
Address: 13606 L st  
City: Omaha  
Country: US  
State: NE  
Zip Code: 38137  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Craig  
Last Name: Davisson  
Title: Not reported  
Email: craigdavisson@ferrellgas.com  
Address: PO Box 3069  
City: Des Moines  
Country: US  
State: IA  
Zip Code: 50316  
Type1: Owner / Operator  
Last Modified: Not reported  
Telephone: Not reported  
Telephone Type: Not reported

Contact:  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Steve  
Last Name: Clayton  
Title: Not reported  
Email: steveclayton@ferrellgas.com  
Address: 3901 Waco Road  
City: Columbia  
Country: US  
State: MO  
Zip Code: 65202  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: john  
Last Name: fling  
Title: Not reported  
Email: johnfling@ferrellgas.com  
Address: 2728 main street  
City: keokuk  
Country: US  
State: IA  
Zip Code: 52632  
Type1: Owner / Operator  
Report Year: 2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FERRELLGAS (Continued)**

**S109946295**

Contact Id: 197062  
Date Modified: Not reported  
First Name: MATT  
Last Name: HUGHEY  
Title: Not reported  
Email: matthughey@ferrellgas.com  
Address: 13606 L ST.  
City: OMAHA  
Country: US  
State: NE  
Zip Code: 68137  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Steven  
Last Name: Slabaugh  
Title: Not reported  
Email: steveslabaugh@ferrellgas.com  
Address: 36 24th Street  
City: Windom  
Country: US  
State: MN  
Zip Code: 56101  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: David  
Last Name: Thomas  
Title: Not reported  
Email: davidthomas@ferrellgas.com  
Address: P.O. Box 430  
City: Iowa City  
Country: US  
State: IA  
Zip Code: 52244  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: DENNIS  
Last Name: CAMPBELL  
Title: Not reported  
Email: denniscampbell@ferrellgas.com  
Address: 4415 NE 14TH  
City: DES MOINES  
Country: US  
State: IA  
Zip Code: 50316  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: JOHN  
Last Name: FLING  
Title: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FERRELLGAS (Continued)**

**S109946295**

Email: johnfling@ferrellgas.com  
Address: 3901 WACO RD  
City: COLUMBIA  
Country: US  
State: MO  
Zip Code: 65202  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Jerry  
Last Name: Russell  
Title: Not reported  
Email: jerryrussell@ferrellgas.com  
Address: 13606 L st  
City: Omaha  
Country: US  
State: NE  
Zip Code: 38137  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Craig  
Last Name: Davisson  
Title: Not reported  
Email: craigdavisson@ferrellgas.com  
Address: PO Box 3069  
City: Des Moines  
Country: US  
State: IA  
Zip Code: 50316  
Type1: Owner / Operator  
Last Modified: Not reported  
Telephone: Not reported  
Telephone Type: Not reported

Contact:  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Steve  
Last Name: Clayton  
Title: Not reported  
Email: steveclayton@ferrellgas.com  
Address: 3901 Waco Road  
City: Columbia  
Country: US  
State: MO  
Zip Code: 65202  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: john  
Last Name: fling  
Title: Not reported  
Email: johnfling@ferrellgas.com

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FERRELLGAS (Continued)**

**S109946295**

Address: 2728 main street  
City: keokuk  
Country: US  
State: IA  
Zip Code: 52632  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: MATT  
Last Name: HUGHEY  
Title: Not reported  
Email: matthughey@ferrellgas.com  
Address: 13606 L ST.  
City: OMAHA  
Country: US  
State: NE  
Zip Code: 68137  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Steven  
Last Name: Slabaugh  
Title: Not reported  
Email: steveslabaugh@ferrellgas.com  
Address: 36 24th Street  
City: Windom  
Country: US  
State: MN  
Zip Code: 56101  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: David  
Last Name: Thomas  
Title: Not reported  
Email: davidthomas@ferrellgas.com  
Address: P.O. Box 430  
City: Iowa City  
Country: US  
State: IA  
Zip Code: 52244  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: DENNIS  
Last Name: CAMPBELL  
Title: Not reported  
Email: denniscampbell@ferrellgas.com  
Address: 4415 NE 14TH  
City: DES MOINES  
Country: US  
State: IA  
Zip Code: 50316

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FERRELLGAS (Continued)**

**S109946295**

Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: JOHN  
Last Name: FLING  
Title: Not reported  
Email: johnfling@ferrellgas.com  
Address: 3901 WACO RD  
City: COLUMBIA  
Country: US  
State: MO  
Zip Code: 65202  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Jerry  
Last Name: Russell  
Title: Not reported  
Email: jerryrussell@ferrellgas.com  
Address: 13606 L st  
City: Omaha  
Country: US  
State: NE  
Zip Code: 38137  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Craig  
Last Name: Davisson  
Title: Not reported  
Email: craigdavisson@ferrellgas.com  
Address: PO Box 3069  
City: Des Moines  
Country: US  
State: IA  
Zip Code: 50316  
Type1: Owner / Operator  
Last Modified: Not reported  
Telephone: Not reported  
Telephone Type: Not reported  
Contact:  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Steve  
Last Name: Clayton  
Title: Not reported  
Email: steveclayton@ferrellgas.com  
Address: 3901 Waco Road  
City: Columbia  
Country: US  
State: MO  
Zip Code: 65202  
Type1: Owner / Operator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FERRELLGAS (Continued)**

**S109946295**

Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: john  
Last Name: fling  
Title: Not reported  
Email: johnfling@ferrellgas.com  
Address: 2728 main street  
City: keokuk  
Country: US  
State: IA  
Zip Code: 52632  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: MATT  
Last Name: HUGHEY  
Title: Not reported  
Email: matthughey@ferrellgas.com  
Address: 13606 L ST.  
City: OMAHA  
Country: US  
State: NE  
Zip Code: 68137  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Steven  
Last Name: Slabaugh  
Title: Not reported  
Email: steveslabaugh@ferrellgas.com  
Address: 36 24th Street  
City: Windom  
Country: US  
State: MN  
Zip Code: 56101  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: David  
Last Name: Thomas  
Title: Not reported  
Email: davidthomas@ferrellgas.com  
Address: P.O. Box 430  
City: Iowa City  
Country: US  
State: IA  
Zip Code: 52244  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: DENNIS  
Last Name: CAMPBELL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FERRELLGAS (Continued)**

**S109946295**

Title: Not reported  
Email: denniscampbell@ferrellgas.com  
Address: 4415 NE 14TH  
City: DES MOINES  
Country: US  
State: IA  
Zip Code: 50316  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: JOHN  
Last Name: FLING  
Title: Not reported  
Email: johnfling@ferrellgas.com  
Address: 3901 WACO RD  
City: COLUMBIA  
Country: US  
State: MO  
Zip Code: 65202  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Jerry  
Last Name: Russell  
Title: Not reported  
Email: jerryrussell@ferrellgas.com  
Address: 13606 L st  
City: Omaha  
Country: US  
State: NE  
Zip Code: 38137  
Type1: Owner / Operator  
Report Year: 2014  
Contact Id: 197062  
Date Modified: Not reported  
First Name: Craig  
Last Name: Davisson  
Title: Not reported  
Email: craigdavisson@ferrellgas.com  
Address: PO Box 3069  
City: Des Moines  
Country: US  
State: IA  
Zip Code: 50316  
Type1: Owner / Operator  
Last Modified: Not reported  
Telephone: Not reported  
Telephone Type: Not reported

Chemical:  
Report Year: 2014  
Chem Inv Record Id: 10411  
CICAS: 74-98-6  
EHS Chemical: Not reported  
Chemical Name: LIQUEFIED PETROLEUM GAS  
Acute: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FERRELLGAS (Continued)**

**S109946295**

Ave Amount: 102000  
Ave Amount Code: Not reported  
Max Amount: 108375  
Max Amount Code: Not reported  
Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 365  
Fire: True  
Gas: True  
Liquid: True  
Mixture: Not reported  
Pressure: True  
Pure: True  
Reactive: Not reported  
Solid: Not reported  
Trade Secret: Not reported

Chemical Loc:  
Report Year: 2014  
Record Key: 16122  
Chem Inv Record Id: 10411  
Type Code: Above ground tank  
Pressure Code: Greater than ambient pressure  
Temperature Code: Ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

Report Year: 2013  
Facility Id: 1463  
State Id: Not reported  
Fire District: West Burlington Fire Department  
Site Map: Not reported  
Site Coord Abbreviation: Not reported  
Date Signed: 01/14/2008  
Date Modified: 01/28/2014  
Dike Or Other Safeguard: Not reported  
Mailing Address: P.O. Box 3069  
Mail City: Des Moines  
Mail State: IA  
Mail Zip: 50316  
Latitude: 40.82824  
Longitude: -91.24286  
Notes: Not reported

Report Year: 2012  
Facility Id: FAIDSIT2A00001463  
State Id: Not reported  
Fire District: West Burlington Fire Department  
Site Map: False  
Site Coord Abbreviation: False  
Date Signed: 02/01/2013  
Date Modified: 01/09/2011  
Dike Or Other Safeguard: False  
Mailing Address: P.O. Box 430  
Mail City: Iowa City

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FERRELLGAS (Continued)**

**S109946295**

Mail State: IA  
Mail Zip: 52244  
Latitude: 40.82824  
Longitude: -91.24286  
Notes: Not reported

Report Year: 2012  
Facility Id: FAIDSIT2A00001463  
State Id: Not reported  
Fire District: West Burlington Fire Department  
Site Map: False  
Site Coord Abbreviation: False  
Date Signed: 01/01/1900  
Date Modified: 01/09/2011  
Dike Or Other Safeguard: False  
Mailing Address: P.O. Box 430  
Mail City: Iowa City  
Mail State: IA  
Mail Zip: 52244  
Latitude: 40.82824  
Longitude: -91.24286  
Notes: Not reported

Report Year: 2010  
Facility Id: FAIDSIT2A00001463  
State Id: Not reported  
Fire District: West Burlington Fire Department  
Site Map: False  
Site Coord Abbreviation: False  
Date Signed: 2011-01-09T08:43:32  
Date Modified: 3/30/2011  
Dike Or Other Safeguard: False  
Mailing Address: P.O. Box 430  
Mail City: Iowa City  
Mail State: IA  
Mail Zip: 52244  
Latitude: 40.828240000000001  
Longitude: -91.242866000000006  
Notes: Not reported

Report Year: 2009  
Facility Id: FAIDSIT2A00001463  
State Id: IA  
Fire District: West Burlington Fire Department  
Site Map: False  
Site Coord Abbreviation: False  
Date Signed: 2010-01-29T11:16:50  
Date Modified: 2009-01-27T00:00:00  
Dike Or Other Safeguard: False  
Mailing Address: P.O. Box 430  
Mail City: Iowa City  
Mail State: IA  
Mail Zip: 52244  
Latitude: 40.828240000000001  
Longitude: -91.242866000000006  
Notes: Not reported

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**H90** 10135 S PRARIE GROVE ROAD **HMIRS** 2009052725  
**NNE** 10135 S PRARIE GROVE ROAD **N/A**  
 > 1 WEST BURLINGTON, IA 52655  
 3.149 mi.  
 16626 ft. Site 4 of 6 in cluster H

**Relative:**  
**Higher** [Click this hyperlink](#) while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

**Actual:**  
 729 ft.  
**H91** FERREL GAS **IA SPILLS** S110366399  
**NNE** 10135 S PRAIRE GROVE RD **N/A**  
 > 1 WEST BURLINGTON, IA 52655  
 3.149 mi.  
 16626 ft. Site 5 of 6 in cluster H

**Relative:**  
**Higher** SPILL:

Facility ID:	071609-AHB-1044
Reported Date:	07/16/2009
Reported Time:	Not reported
Taken By:	Not reported
Spill Date:	Not reported
Spill Time:	Not reported
6 hr Letter:	Not reported
Continuous Release:	Not reported
Incident Location:	Not reported
Incident Mode:	Not reported
Incident Type:	Not reported
Incident Medium Land:	Not reported
Incident Medium Water:	Not reported
Incident Medium Air:	Not reported
Field Office:	Not reported
Company Name:	Not reported
Company Address1:	Not reported
Company Address2:	Not reported
Company City/State/Zip:	Not reported
Company Phone:	Not reported
Company Fax No:	Not reported
Company Start Date:	Not reported
Company End Date:	Not reported
Company Contact Name:	Not reported
Contact Address1:	Not reported
Company Contact Address2:	Not reported
Company Contact City/State/Zip:	Not reported
Company Contact Phone:	Not reported
Company Contact Fax No:	Not reported
Company Contact Start Date:	Not reported
Company Contact End Date:	Not reported
Initial Instructions:	Not reported
Events:	Not reported

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**I92**  
**NNW**  
**> 1**  
**3.150 mi.**  
**16631 ft.**

**ON THE MIDDLETOWN FACILITY, APPROXIMATELY 1500 FT EAST OF TH  
MIDDLETOWN, IA**

**IA SPILLS S107469920**  
**N/A**

**Site 1 of 3 in cluster I**

**Relative:**  
**Higher**

**SPILL:**

**Actual:**  
**723 ft.**

Facility ID: 121605-RLT-1057  
Reported Date: 12/16/2005  
Reported Time: 10:57:00 AM  
Taken By: Rodney Tucker  
Spill Date: 12/16/2005  
Spill Time: 10:35:00 AM  
6 hr Letter: No  
Continuous Release: No  
Incident Location: Not reported  
Incident Mode: Transformer  
Incident Type: Transformer oil/PCB  
Incident Medium Land: Not reported  
Incident Medium Water: Not reported  
Incident Medium Air: Not reported  
Field Office: Not reported  
Company Name: Not reported  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported  
Company Contact City/State/Zip: Not reported  
Company Contact Phone: Not reported  
Company Contact Fax No: Not reported  
Company Contact Start Date: Not reported  
Company Contact End Date: Not reported

Initial Instructions: The RP is cleaning up the spill with absorbents and kitty litter. It is unknown at this time how the RP will dispose of the contaminated kitty litter, gravel and absorbents. The RP will notify this office once that decision is made.

Events: A pole mounted transformer on the back of a truck fell off the truck and cracked open the seal. The transformer contained PCBs in the oil. Approximately 50 gallons was spilled out of the transformer onto the frozen road. The gravel on the road was contaminated with the oil but no soil or state waters were affected.

**H93**  
**NNE**  
**> 1**  
**3.152 mi.**  
**16645 ft.**

**AT CENTER STATE INTERNATIONAL TRUCKS - 16282 HWY 34 WEST  
WEST BURLINGTON, IA**

**IA SPILLS S109132755**  
**N/A**

**Site 6 of 6 in cluster H**

**Relative:**  
**Higher**

**SPILL:**

**Actual:**  
**730 ft.**

Facility ID: 050108-KAL-1056  
Reported Date: 05/01/2008  
Reported Time: 10:56:00 AM  
Taken By: Kathy Lee  
Spill Date: 05/01/2008

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**(Continued)**

**S109132755**

Spill Time: 10:00:00 AM  
 6 hr Letter: No  
 Continuous Release: No  
 Incident Location: Urban  
 Incident Mode: Transportation  
 Incident Type: Petroleum  
 Incident Medium Land: Not reported  
 Incident Medium Water: Not reported  
 Incident Medium Air: Not reported  
 Field Office: Not reported  
 Company Name: Not reported  
 Company Address1: Not reported  
 Company Address2: Not reported  
 Company City/State/Zip: Not reported  
 Company Phone: Not reported  
 Company Fax No: Not reported  
 Company Start Date: Not reported  
 Company End Date: Not reported  
 Company Contact Name: Not reported  
 Contact Address1: Not reported  
 Company Contact Address2: Not reported  
 Company Contact City/State/Zip: Not reported  
 Company Contact Phone: Not reported  
 Company Contact Fax No: Not reported  
 Company Contact Start Date: Not reported  
 Company Contact End Date: Not reported  
 Initial Instructions: Winters has contacted Iowa One-Call and has arranged for the contaminated soil to be excavated.  
 Events: A driver dropped from IPC dropped off a truck for repair at Center State International Trucks. A saddle tank on the truck was punctured, releasing between 30 and 75 gallons onto the soil.

**194  
 NNW  
 > 1  
 3.171 mi.  
 16742 ft.**

**US ARMY RESERVE CENTER  
 17879 HWY 79  
 MIDDLETOWN, IA 52638  
 Site 2 of 3 in cluster I**

**RCRA NonGen / NLR 1001493042  
 IA0000601021**

**Relative:  
 Higher**

RCRA NonGen / NLR:  
 Date form received by agency: 09/28/2011  
 Facility name: US ARMY RESERVE CENTER  
 Facility address: 17879 HWY 79  
 MIDDLETOWN, IA 52638  
 EPA ID: IA0000601021  
 Mailing address: N 204TH ST  
 ELKHORN, NE 68022  
 Contact: ERIC D FRITZSCH  
 Contact address: N 204TH ST  
 ELKHORN, NE 68022  
 Contact country: US  
 Contact telephone: 402-216-4004  
 Contact email: ERIC.FRITZSCH1@US.ARMY.MIL  
 EPA Region: 07  
 Land type: Federal  
 Classification: Non-Generator  
 Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:  
 723 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**US ARMY RESERVE CENTER (Continued)**

**1001493042**

Owner/Operator Summary:

Owner/operator name: 88TH REGIONAL SUPPORT COMMAND  
Owner/operator address: SOUTH O ST  
FORT MCCOY, WI 54656  
Owner/operator country: US  
Owner/operator telephone: 608-388-0387  
Legal status: Federal  
Owner/Operator Type: Owner  
Owner/Op start date: 10/01/2008  
Owner/Op end date: Not reported

Owner/operator name: 88TH REGIONAL SUPPORT COMMAND  
Owner/operator address: SOUTH O ST  
FORT MCCOY, WI 54656  
Owner/operator country: US  
Owner/operator telephone: 608-388-0387  
Legal status: Federal  
Owner/Operator Type: Operator  
Owner/Op start date: 10/01/2008  
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  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 06/28/1999  
Site name: U S ARMY RESERVE CENTER  
Classification: Conditionally Exempt Small Quantity Generator

- . Waste code: D000
- . Waste name: Not Defined
  
- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D007

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**US ARMY RESERVE CENTER (Continued)**

**1001493042**

- . Waste name: CHROMIUM
- . Waste code: D009
- . Waste name: MERCURY
- . Waste code: D018
- . Waste name: BENZENE
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE
- . Waste code: UOIL
- . Waste name: UOIL

Date form received by agency: 08/12/1994  
Site name: U S ARMY RESERVE CENTER  
Classification: Conditionally Exempt Small Quantity Generator

- . Waste code: D000
- . Waste name: Not Defined
- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D003
- . Waste name: REACTIVE WASTE
- . Waste code: D007
- . Waste name: CHROMIUM
- . Waste code: D009
- . Waste name: MERCURY
- . Waste code: D018
- . Waste name: BENZENE
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

Evaluation Action Summary:  
Evaluation date: 06/28/1999  
Evaluation: COMPLIANCE ASSISTANCE VISIT  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA Contractor/Grantee

MAP FINDINGS

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

<b>I95</b> <b>NNW</b> > 1 3.171 mi. 16742 ft.	<b>US ARMY RESERVE CENTER</b> <b>17879 HWY 79</b> <b>MIDDLETOWN, IA 52638</b>  <b>Site 3 of 3 in cluster I</b>	<b>FINDS</b>	<b>1014885814</b> <b>N/A</b>
---	--	--------------	---------------------------------

**Relative:** Higher  
**Actual:** 723 ft.

**FINDS:**

Registry ID: 110043991295

Environmental Interest/Information System

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

<b>J96</b> <b>NNE</b> > 1 3.583 mi. 18916 ft.	<b>RILEY INDUSTRIAL PAINTING</b> <b>15310 HIGHWAY 34 WEST</b> <b>WEST BURLINGTON, IA 52655</b>  <b>Site 1 of 5 in cluster J</b>	<b>FINDS</b>	<b>1016054323</b> <b>N/A</b>
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**Relative:** Higher  
**Actual:** 715 ft.

**FINDS:**

Registry ID: 110007509516

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

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

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

AIR MAJOR

HAZARDOUS WASTE BIENNIAL REPORTER

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY



MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
J97 NNE > 1 3.583 mi. 18916 ft.	<b>RILEY INDUSTRIAL PAINTING</b> 15310 DMC HWY 34 W WEST BURLINGTON, IA 52655  Site 2 of 5 in cluster J	FINDS	1014698957 N/A
Relative: Higher	FINDS:  Registry ID: 110043600476  Environmental Interest/Information System IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors		
Actual: 715 ft.			
J98 NNE > 1 3.599 mi. 19002 ft.	<b>RILEY INDUSTRIAL PAINTING</b> 15310 HIGHWAY 34 WEST WEST BURLINGTON, IA 52655  Site 3 of 5 in cluster J	IA AIRS	S107669665 N/A
Relative: Higher	AIRS: Facility Number: 29-01-079 Status: Not reported Closed?: Not reported Region: Not reported Contact Name: Not reported Contact Phone: Not reported Facility Contact Phone: Not reported Mailing Address: Not reported Mailing Address 2: Not reported Mailing City,St,Zip: Not reported SIC Primary: 3479 NAICS Primary: 33281		
Actual: 712 ft.			
J99 NNE > 1 3.736 mi. 19725 ft.	<b>BIG RIVER RESOURCES WEST BURLINGTON, LLC</b> 15210 103RD STREET WEST BURLINGTON, IA 52655  Site 4 of 5 in cluster J	IA NPDES IA AIRS IA TIER 2	S108268515 N/A
Relative: Higher	NPDES: Permit Number: 2900112 Epa Npdes Id Number: 0078123 Permit Expiration Date: 08/31/2016 Facility Name: BIG RIVER RESOURCES WEST BURLINGTON, LLC Facility Address1: 15210 103RD STREET Facility City: WEST BURLINGTON Facility Phone Number: (319)394-3825 Facility Type: INDUSTRIAL Facility Class: MINOR Standard Industrial Classification Code: 2869 Owner Name: BIG RIVER RESOURCES WEST BURLINGTON, LLC Owner Add1: 15210 103RD STREET Owner Add2: Not reported Owner City: WEST BURLINGTON Owner State: IA Owner Zip: 52655-		
Actual: 712 ft.			

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Owner Phone: (319)768-5873  
Indr Regional/Field Office Number: 6  
Section: 29  
Township: 70  
Range: 03  
Latitude Degree: 40.82983  
Longitude Degree: -91.21996  
River Basin: SKUNK RIVER BELOW THE NORTH SKUNK  
Type Of Treatment: NO TREATMENT  
Design Population Equivalent: Not reported  
Design Biochemical Oxygen Demand: Not reported  
Design Avg Dry Weather Flow (Mll Glns Per Dy): Not reported  
Design Avg Wet Weather Flow (Mll Glns Per Dy): Not reported  
Operator Certification Facility Type: Not reported  
Operator Certification Facility Grade: Not reported

**AIRS:**

Facility Number: 29-02-012  
Status: Not reported  
Closed?: Not reported  
Region: Not reported  
Contact Name: Not reported  
Contact Phone: Not reported  
Facility Contact Phone: Not reported  
Mailing Address: Not reported  
Mailing Address 2: Not reported  
Mailing City,St,Zip: Not reported  
SIC Primary: 2869  
NAICS Primary: 325193

**TIER 2:**

Report Year: 2014  
Facility Id: 3806  
Id: 2869  
Description: INDUST. ORGANIC CHEMICALS NEC SIC  
Last Modified: Not reported

Id: 325193  
Description: Ethyl Alcohol Manufacturing NAICS  
Last Modified: Not reported

State Id: Not reported  
Fire District: Burlington Fire Department  
Site Map: Not reported  
Site Coord Abbreviation: Not reported  
Date Signed: 01/23/2008  
Date Modified: 02/17/2015  
Dike Or Other Safeguard: Not reported  
Mailing Address: Not reported  
Mail City: Not reported  
Mail State: IA  
Mail Zip: Not reported  
Latitude: 40.83539  
Longitude: -91.22329  
Notes: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Contact:

Report Year: 2014  
Contact Id: 114406  
Date Modified: Not reported  
First Name: Brian  
Last Name: Schasel  
Title: Not reported  
Email: brian.schasel@bigriverresources.com  
Address: 15210 103rd Street  
City: West Burlington  
Country: US  
State: IA  
Zip Code: 52655  
Type1: Owner / Operator  
Last Modified: Not reported  
Telephone: Not reported  
Telephone Type: Not reported

Chemical:

Report Year: 2014  
Chem Inv Record Id: 19287  
CICAS: 9000902  
EHS Chemical: Not reported  
Chemical Name: ALPHA AMYLASE ENZYME  
Acute: Not reported  
Ave Amount: 30451  
Ave Amount Code: Not reported  
Max Amount: 80540  
Max Amount Code: Not reported  
Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 365  
Fire: Not reported  
Gas: Not reported  
Liquid: True  
Mixture: True  
Pressure: Not reported  
Pure: Not reported  
Reactive: Not reported  
Solid: Not reported  
Trade Secret: Not reported

Chemical Mix:

Report Year: 2014  
Record Key: 7229  
Chemical Inv Recid: 19287  
Mx Chemical: ALPHA AMYLASE  
Mx Cas: 9000902  
Percentage: 1  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 7230  
Chemical Inv Recid: 19287  
Mx Chemical: SODIUM CHLORIDE  
Mx Cas: 7647145

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Percentage: 11  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 7231  
Chemical Inv Recid: 19287  
Mx Chemical: SORBITOL  
Mx Cas: 50704  
Percentage: 5  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 7232  
Chemical Inv Recid: 19287  
Mx Chemical: WATER  
Mx Cas: 7732185  
Percentage: 53  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 12448  
Chemical Inv Recid: 19287  
Mx Chemical: PHYTASE  
Mx Cas: 9001892  
Percentage: 5  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 12449  
Chemical Inv Recid: 19287  
Mx Chemical: GLYCEROL  
Mx Cas: 56815  
Percentage: 25  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Chemical Loc:  
Report Year: 2014  
Record Key: 28153  
Chem Inv Record Id: 19287  
Type Code: Tank inside building  
Pressure Code: Ambient pressure  
Temperature Code: Ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Report Year:	2014
Chem Inv Record Id:	19288
CICAS:	7664417
EHS Chemical:	True
Chemical Name:	ANHYDROUS AMMONIA
Acute:	Not reported
Ave Amount:	56300
Ave Amount Code:	Not reported
Max Amount:	83000
Max Amount Code:	Not reported
Chronic:	Not reported
Last Modified:	Not reported
Days On Site:	365
Fire:	Not reported
Gas:	True
Liquid:	True
Mixture:	Not reported
Pressure:	True
Pure:	True
Reactive:	Not reported
Solid:	Not reported
Trade Secret:	Not reported
Chemical Loc:	
Report Year:	2014
Record Key:	28154
Chem Inv Record Id:	19288
Type Code:	Above ground tank
Pressure Code:	Greater than ambient pressure
Temperature Code:	Cryogenic conditions
Location:	Not reported
Date Last Modified:	Not reported
Amount:	Not reported
Report Year:	2014
Chem Inv Record Id:	19293
CICAS:	N/A
EHS Chemical:	Not reported
Chemical Name:	CorrPro 656T CORROSION INHIBITOR
Acute:	Not reported
Ave Amount:	7338
Ave Amount Code:	Not reported
Max Amount:	13014
Max Amount Code:	Not reported
Chronic:	Not reported
Last Modified:	Not reported
Days On Site:	365
Fire:	True
Gas:	Not reported
Liquid:	True
Mixture:	True
Pressure:	Not reported
Pure:	Not reported
Reactive:	Not reported
Solid:	Not reported
Trade Secret:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Chemical Mix:  
Report Year: 2014  
Record Key: 21392  
Chemical Inv Recid: 19293  
Mx Chemical: Dimethylaminoethanol  
Mx Cas: 108-01-0  
Percentage: 12  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 21393  
Chemical Inv Recid: 19293  
Mx Chemical: Dodecenylsuccinic Anhydride  
Mx Cas: 25377-73-5  
Percentage: 4  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 21391  
Chemical Inv Recid: 19293  
Mx Chemical: 2-Butoxyethanol  
Mx Cas: 111-76-2  
Percentage: 12  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 21390  
Chemical Inv Recid: 19293  
Mx Chemical: Ethylene Glycol  
Mx Cas: 107-21-1  
Percentage: 12  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 21389  
Chemical Inv Recid: 19293  
Mx Chemical: Solvent Naptha  
Mx Cas: 64742-94-5  
Percentage: 60  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Chemical Loc:  
Report Year: 2014  
Record Key: 28159  
Chem Inv Record Id: 19293  
Type Code: Above ground tank

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Pressure Code: Ambient pressure  
Temperature Code: Ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

Report Year: 2014  
Chem Inv Record Id: 19296  
CICAS: 64175  
EHS Chemical: Not reported  
Chemical Name: ETHANOL - 190 PROOF  
Acute: Not reported  
Ave Amount: 297928  
Ave Amount Code: Not reported  
Max Amount: 1206408  
Max Amount Code: Not reported  
Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 365  
Fire: True  
Gas: Not reported  
Liquid: True  
Mixture: True  
Pressure: Not reported  
Pure: Not reported  
Reactive: Not reported  
Solid: Not reported  
Trade Secret: Not reported

Chemical Mix:  
Report Year: 2014  
Record Key: 7237  
Chemical Inv Recid: 19296  
Mx Chemical: ETHANOL  
Mx Cas: 64175  
Percentage: 95  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 7238  
Chemical Inv Recid: 19296  
Mx Chemical: WATER  
Mx Cas: 7732185  
Percentage: 5  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Chemical Loc:  
Report Year: 2014  
Record Key: 28163  
Chem Inv Record Id: 19296  
Type Code: Above ground tank  
Pressure Code: Ambient pressure

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Temperature Code: Ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

Report Year: 2014  
Chem Inv Record Id: 19297  
CICAS: 64175  
EHS Chemical: Not reported  
Chemical Name: ETHANOL - 200 PROOF  
Acute: Not reported  
Ave Amount: 398036  
Ave Amount Code: Not reported  
Max Amount: 952914  
Max Amount Code: Not reported  
Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 365  
Fire: True  
Gas: Not reported  
Liquid: True  
Mixture: Not reported  
Pressure: Not reported  
Pure: True  
Reactive: Not reported  
Solid: Not reported  
Trade Secret: Not reported

Chemical Loc:  
Report Year: 2014  
Record Key: 28164  
Chem Inv Record Id: 19297  
Type Code: Above ground tank  
Pressure Code: Ambient pressure  
Temperature Code: Ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

Report Year: 2014  
Chem Inv Record Id: 19302  
CICAS: 64175  
EHS Chemical: Not reported  
Chemical Name: ETHANOL - FUEL GRADE  
Acute: Not reported  
Ave Amount: 5960655  
Ave Amount Code: Not reported  
Max Amount: 18188400  
Max Amount Code: Not reported  
Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 365  
Fire: True  
Gas: Not reported  
Liquid: True  
Mixture: True



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Pressure:	Not reported
Pure:	Not reported
Reactive:	Not reported
Solid:	Not reported
Trade Secret:	Not reported
Chemical Mix:	
Report Year:	2014
Record Key:	7239
Chemical Inv Recid:	19302
Mx Chemical:	ETHANOL
Mx Cas:	64175
Percentage:	95
Wt Vol:	Not reported
Mx Ehs:	Not reported
Last Modified:	Not reported
Report Year:	2014
Record Key:	7240
Chemical Inv Recid:	19302
Mx Chemical:	NATURAL GASOLINE
Mx Cas:	8006619
Percentage:	4.79999999999999
Wt Vol:	Not reported
Mx Ehs:	Not reported
Last Modified:	Not reported
Report Year:	2014
Record Key:	7241
Chemical Inv Recid:	19302
Mx Chemical:	WATER
Mx Cas:	7732185
Percentage:	0.200000000000000
Wt Vol:	Not reported
Mx Ehs:	Not reported
Last Modified:	Not reported
Chemical Loc:	
Report Year:	2014
Record Key:	28173
Chem Inv Record Id:	19302
Type Code:	Above ground tank
Pressure Code:	Ambient pressure
Temperature Code:	Ambient temperature
Location:	Not reported
Date Last Modified:	Not reported
Amount:	Not reported
Report Year:	2014
Chem Inv Record Id:	19303
CICAS:	9032080
EHS Chemical:	Not reported
Chemical Name:	GLUCOAMYLASE ENZYME
Acute:	Not reported
Ave Amount:	34419
Ave Amount Code:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Max Amount: 77628  
Max Amount Code: Not reported  
Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 365  
Fire: Not reported  
Gas: Not reported  
Liquid: True  
Mixture: True  
Pressure: Not reported  
Pure: Not reported  
Reactive: Not reported  
Solid: Not reported  
Trade Secret: Not reported

Chemical Mix:  
Report Year: 2014  
Record Key: 7242  
Chemical Inv Recid: 19303  
Mx Chemical: GLUCOAMYLASE ENZYME  
Mx Cas: 9032080  
Percentage: 10  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 7243  
Chemical Inv Recid: 19303  
Mx Chemical: WATER  
Mx Cas: 7732185  
Percentage: 69  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 12445  
Chemical Inv Recid: 19303  
Mx Chemical: ALPHA AMYLASE  
Mx Cas: 9000902  
Percentage: 5  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 12446  
Chemical Inv Recid: 19303  
Mx Chemical: PROTEASE  
Mx Cas: 9025494  
Percentage: 1  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 12447

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Chemical Inv Recid: 19303  
Mx Chemical: GLUCOSE  
Mx Cas: 50997  
Percentage: 15  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Chemical Loc:  
Report Year: 2014  
Record Key: 28175  
Chem Inv Record Id: 19303  
Type Code: Tank inside building  
Pressure Code: Ambient pressure  
Temperature Code: Ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

Report Year: 2014  
Chem Inv Record Id: 19306  
CICAS: 68425310  
EHS Chemical: Not reported  
Chemical Name: NATURAL GASOLINE  
Acute: Not reported  
Ave Amount: 426852  
Ave Amount Code: Not reported  
Max Amount: 615228  
Max Amount Code: Not reported  
Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 365  
Fire: True  
Gas: Not reported  
Liquid: True  
Mixture: True  
Pressure: Not reported  
Pure: Not reported  
Reactive: Not reported  
Solid: Not reported  
Trade Secret: Not reported

Chemical Mix:  
Report Year: 2014  
Record Key: 7244  
Chemical Inv Recid: 19306  
Mx Chemical: N-BUTANE  
Mx Cas: 106978  
Percentage: 4.099999999999999  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 7245  
Chemical Inv Recid: 19306

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Mx Chemical: BUTANES  
Mx Cas: 68513655  
Percentage: 4.90000000000000  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 7246  
Chemical Inv Recid: 19306  
Mx Chemical: N-PENTANE  
Mx Cas: 109660  
Percentage: 32.7999999999999  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 7247  
Chemical Inv Recid: 19306  
Mx Chemical: I-PENTANE  
Mx Cas: 78784  
Percentage: 14.80000000000000  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 7248  
Chemical Inv Recid: 19306  
Mx Chemical: N-HEXANE  
Mx Cas: 110543  
Percentage: 16.3999999999999  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 7249  
Chemical Inv Recid: 19306  
Mx Chemical: CYCLOHEXANE  
Mx Cas: 110827  
Percentage: 4.09999999999999  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 7250  
Chemical Inv Recid: 19306  
Mx Chemical: N-HEPTANE  
Mx Cas: 142825  
Percentage: 16.3999999999999  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Report Year:	2014
Record Key:	7251
Chemical Inv Recid:	19306
Mx Chemical:	BENZENE
Mx Cas:	71432
Percentage:	4.09999999999999
Wt Vol:	Not reported
Mx Ehs:	Not reported
Last Modified:	Not reported
Report Year:	2014
Record Key:	7252
Chemical Inv Recid:	19306
Mx Chemical:	TOLUENE
Mx Cas:	108883
Percentage:	2.39999999999999
Wt Vol:	Not reported
Mx Ehs:	Not reported
Last Modified:	Not reported
Chemical Loc:	
Report Year:	2014
Record Key:	28180
Chem Inv Record Id:	19306
Type Code:	Above ground tank
Pressure Code:	Ambient pressure
Temperature Code:	Ambient temperature
Location:	Not reported
Date Last Modified:	Not reported
Amount:	Not reported
Report Year:	2014
Chem Inv Record Id:	19307
CICAS:	1310732
EHS Chemical:	Not reported
Chemical Name:	SODIUM HYDROXIDE SOLUTION 5% (CIP TANK)
Acute:	Not reported
Ave Amount:	60124
Ave Amount Code:	Not reported
Max Amount:	113286
Max Amount Code:	Not reported
Chronic:	Not reported
Last Modified:	Not reported
Days On Site:	365
Fire:	Not reported
Gas:	Not reported
Liquid:	True
Mixture:	True
Pressure:	Not reported
Pure:	Not reported
Reactive:	True
Solid:	Not reported
Trade Secret:	Not reported
Chemical Mix:	
Report Year:	2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Record Key: 7253  
Chemical Inv Recid: 19307  
Mx Chemical: SODIUM HYDROXIDE  
Mx Cas: 1310732  
Percentage: 5  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 7254  
Chemical Inv Recid: 19307  
Mx Chemical: WATER  
Mx Cas: 7732185  
Percentage: 95  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Chemical Loc:  
Report Year: 2014  
Record Key: 28181  
Chem Inv Record Id: 19307  
Type Code: Tank inside building  
Pressure Code: Ambient pressure  
Temperature Code: Greater than ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

Report Year: 2014  
Chem Inv Record Id: 19308  
CICAS: 1310732  
EHS Chemical: Not reported  
Chemical Name: SODIUM HYDROXIDE SOLUTION 5% (WASTE CIP TANK)  
Acute: Not reported  
Ave Amount: 48565  
Ave Amount Code: Not reported  
Max Amount: 114270  
Max Amount Code: Not reported  
Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 365  
Fire: Not reported  
Gas: Not reported  
Liquid: True  
Mixture: True  
Pressure: Not reported  
Pure: Not reported  
Reactive: True  
Solid: Not reported  
Trade Secret: Not reported

Chemical Mix:  
Report Year: 2014  
Record Key: 7255

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Chemical Inv Recid: 19308  
Mx Chemical: SODIUM HYDROXIDE  
Mx Cas: 1310732  
Percentage: 5  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 7256  
Chemical Inv Recid: 19308  
Mx Chemical: WATER  
Mx Cas: 7732185  
Percentage: 95  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Chemical Loc:  
Report Year: 2014  
Record Key: 28182  
Chem Inv Record Id: 19308  
Type Code: Tank inside building  
Pressure Code: Ambient pressure  
Temperature Code: Ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

Report Year: 2014  
Chem Inv Record Id: 19309  
CICAS: 1310732  
EHS Chemical: Not reported  
Chemical Name: SODIUM HYDROXIDE SOLUTION 50%  
Acute: Not reported  
Ave Amount: 87850  
Ave Amount Code: Not reported  
Max Amount: 192135  
Max Amount Code: Not reported  
Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 365  
Fire: Not reported  
Gas: Not reported  
Liquid: True  
Mixture: True  
Pressure: Not reported  
Pure: Not reported  
Reactive: True  
Solid: Not reported  
Trade Secret: Not reported

Chemical Mix:  
Report Year: 2014  
Record Key: 7257  
Chemical Inv Recid: 19309

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Mx Chemical: SODIUM HYDROXIDE  
Mx Cas: 1310732  
Percentage: 50  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 7258  
Chemical Inv Recid: 19309  
Mx Chemical: WATER  
Mx Cas: 7732185  
Percentage: 50  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Chemical Loc:  
Report Year: 2014  
Record Key: 28183  
Chem Inv Record Id: 19309  
Type Code: Tank inside building  
Pressure Code: Ambient pressure  
Temperature Code: Ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

Report Year: 2014  
Chem Inv Record Id: 19310  
CICAS: 7664939  
EHS Chemical: True  
Chemical Name: SULFURIC ACID  
Acute: Not reported  
Ave Amount: 156184  
Ave Amount Code: Not reported  
Max Amount: 264262  
Max Amount Code: Not reported  
Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 365  
Fire: Not reported  
Gas: Not reported  
Liquid: True  
Mixture: True  
Pressure: Not reported  
Pure: Not reported  
Reactive: True  
Solid: Not reported  
Trade Secret: Not reported

Chemical Mix:  
Report Year: 2014  
Record Key: 7259  
Chemical Inv Recid: 19310  
Mx Chemical: SULFURIC ACID



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Mx Cas: 7664939  
Percentage: 93  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Report Year: 2014  
Record Key: 7260  
Chemical Inv Recid: 19310  
Mx Chemical: WATER  
Mx Cas: 7732185  
Percentage: 7  
Wt Vol: Not reported  
Mx Ehs: Not reported  
Last Modified: Not reported

Chemical Loc:  
Report Year: 2014  
Record Key: 28184  
Chem Inv Record Id: 19310  
Type Code: Above ground tank  
Pressure Code: Ambient pressure  
Temperature Code: Ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

Report Year: 2014  
Record Key: 28185  
Chem Inv Record Id: 19310  
Type Code: Above ground tank  
Pressure Code: Ambient pressure  
Temperature Code: Ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

Report Year: 2014  
Chem Inv Record Id: 19312  
CICAS: 57136  
EHS Chemical: Not reported  
Chemical Name: UREA  
Acute: Not reported  
Ave Amount: 22000  
Ave Amount Code: Not reported  
Max Amount: 44000  
Max Amount Code: Not reported  
Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 365  
Fire: Not reported  
Gas: Not reported  
Liquid: Not reported  
Mixture: Not reported  
Pressure: Not reported  
Pure: True

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Reactive:	True
Solid:	True
Trade Secret:	Not reported
Chemical Loc:	
Report Year:	2014
Record Key:	28187
Chem Inv Record Id:	19312
Type Code:	Bag
Pressure Code:	Ambient pressure
Temperature Code:	Ambient temperature
Location:	Not reported
Date Last Modified:	Not reported
Amount:	Not reported
Report Year:	2014
Chem Inv Record Id:	19315
CICAS:	7631905
EHS Chemical:	Not reported
Chemical Name:	SODIUM BISULFITE - 40% SOLUTION
Acute:	Not reported
Ave Amount:	30803
Ave Amount Code:	Not reported
Max Amount:	61605
Max Amount Code:	Not reported
Chronic:	Not reported
Last Modified:	Not reported
Days On Site:	365
Fire:	Not reported
Gas:	Not reported
Liquid:	True
Mixture:	True
Pressure:	Not reported
Pure:	Not reported
Reactive:	True
Solid:	Not reported
Trade Secret:	Not reported
Chemical Mix:	
Report Year:	2014
Record Key:	7263
Chemical Inv Recid:	19315
Mx Chemical:	SODIUM BISULFITE
Mx Cas:	7631905
Percentage:	40
Wt Vol:	Not reported
Mx Ehs:	Not reported
Last Modified:	Not reported
Report Year:	2014
Record Key:	7264
Chemical Inv Recid:	19315
Mx Chemical:	WATER
Mx Cas:	7732185
Percentage:	60
Wt Vol:	Not reported
Mx Ehs:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Last Modified:	Not reported
Chemical Loc:	
Report Year:	2014
Record Key:	28191
Chem Inv Record Id:	19315
Type Code:	Tote bin
Pressure Code:	Ambient pressure
Temperature Code:	Ambient temperature
Location:	Not reported
Date Last Modified:	Not reported
Amount:	Not reported
Report Year:	2014
Record Key:	39928
Chem Inv Record Id:	19315
Type Code:	Above ground tank
Pressure Code:	Ambient pressure
Temperature Code:	Ambient temperature
Location:	Not reported
Date Last Modified:	Not reported
Amount:	Not reported
Report Year:	2014
Chem Inv Record Id:	21863
CICAS:	7647145
EHS Chemical:	Not reported
Chemical Name:	SODIUM CHLORIDE
Acute:	Not reported
Ave Amount:	2000
Ave Amount Code:	Not reported
Max Amount:	4000
Max Amount Code:	Not reported
Chronic:	Not reported
Last Modified:	Not reported
Days On Site:	365
Fire:	Not reported
Gas:	Not reported
Liquid:	Not reported
Mixture:	Not reported
Pressure:	Not reported
Pure:	True
Reactive:	Not reported
Solid:	True
Trade Secret:	Not reported
Chemical Loc:	
Report Year:	2014
Record Key:	32101
Chem Inv Record Id:	21863
Type Code:	Bag
Pressure Code:	Ambient pressure
Temperature Code:	Ambient temperature
Location:	Not reported
Date Last Modified:	Not reported
Amount:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Report Year:	2014
Chem Inv Record Id:	21865
CICAS:	144558
EHS Chemical:	Not reported
Chemical Name:	SODIUM BICARBONATE
Acute:	Not reported
Ave Amount:	1000
Ave Amount Code:	Not reported
Max Amount:	2000
Max Amount Code:	Not reported
Chronic:	Not reported
Last Modified:	Not reported
Days On Site:	365
Fire:	Not reported
Gas:	Not reported
Liquid:	Not reported
Mixture:	Not reported
Pressure:	Not reported
Pure:	True
Reactive:	True
Solid:	True
Trade Secret:	Not reported
Chemical Loc:	
Report Year:	2014
Record Key:	32103
Chem Inv Record Id:	21865
Type Code:	Bag
Pressure Code:	Ambient pressure
Temperature Code:	Ambient temperature
Location:	Not reported
Date Last Modified:	Not reported
Amount:	Not reported
Report Year:	2014
Chem Inv Record Id:	21867
CICAS:	7681529
EHS Chemical:	Not reported
Chemical Name:	SODIUM HYPOCHLORITE SOLUTION
Acute:	Not reported
Ave Amount:	3500
Ave Amount Code:	Not reported
Max Amount:	7000
Max Amount Code:	Not reported
Chronic:	Not reported
Last Modified:	Not reported
Days On Site:	365
Fire:	Not reported
Gas:	Not reported
Liquid:	True
Mixture:	True
Pressure:	Not reported
Pure:	Not reported
Reactive:	True
Solid:	Not reported
Trade Secret:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Chemical Loc:

Report Year: 2014  
Record Key: 32107  
Chem Inv Record Id: 21867  
Type Code: Tank inside building  
Pressure Code: Ambient pressure  
Temperature Code: Ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

Report Year: 2014  
Chem Inv Record Id: 21875  
CICAS: 5329146  
EHS Chemical: Not reported  
Chemical Name: SULFAMIC ACID  
Acute: Not reported  
Ave Amount: 4000  
Ave Amount Code: Not reported  
Max Amount: 8000  
Max Amount Code: Not reported  
Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 365  
Fire: Not reported  
Gas: Not reported  
Liquid: Not reported  
Mixture: Not reported  
Pressure: Not reported  
Pure: True  
Reactive: True  
Solid: True  
Trade Secret: Not reported

Chemical Loc:

Report Year: 2014  
Record Key: 32115  
Chem Inv Record Id: 21875  
Type Code: Bag  
Pressure Code: Ambient pressure  
Temperature Code: Ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

Report Year: 2014  
Chem Inv Record Id: 26638  
CICAS: 8001307  
EHS Chemical: Not reported  
Chemical Name: CORN OIL (NON FOOD OIL FAT PRODUCT)  
Acute: Not reported  
Ave Amount: 119437  
Ave Amount Code: Not reported  
Max Amount: 322191  
Max Amount Code: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 365  
Fire: True  
Gas: Not reported  
Liquid: True  
Mixture: True  
Pressure: Not reported  
Pure: Not reported  
Reactive: Not reported  
Solid: Not reported  
Trade Secret: Not reported

Chemical Loc:  
Report Year: 2014  
Record Key: 39935  
Chem Inv Record Id: 26638  
Type Code: Above ground tank  
Pressure Code: Ambient pressure  
Temperature Code: Greater than ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

Report Year: 2014  
Record Key: 39936  
Chem Inv Record Id: 26638  
Type Code: Tank inside building  
Pressure Code: Ambient pressure  
Temperature Code: Greater than ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

Report Year: 2014  
Chem Inv Record Id: 26823  
CICAS: 68476346  
EHS Chemical: Not reported  
Chemical Name: # 2 DIESEL FUEL  
Acute: Not reported  
Ave Amount: 3096  
Ave Amount Code: Not reported  
Max Amount: 6192  
Max Amount Code: Not reported  
Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 365  
Fire: True  
Gas: Not reported  
Liquid: True  
Mixture: True  
Pressure: Not reported  
Pure: Not reported  
Reactive: Not reported  
Solid: Not reported  
Trade Secret: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Chemical Loc:  
Report Year: 2014  
Record Key: 40216  
Chem Inv Record Id: 26823  
Type Code: Above ground tank  
Pressure Code: Ambient pressure  
Temperature Code: Ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

Report Year: 2014  
Record Key: 40217  
Chem Inv Record Id: 26823  
Type Code: Above ground tank  
Pressure Code: Ambient pressure  
Temperature Code: Ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

Report Year: 2014  
Chem Inv Record Id: 32117  
CICAS: 86290815  
EHS Chemical: Not reported  
Chemical Name: GASOLINE  
Acute: Not reported  
Ave Amount: 500  
Ave Amount Code: Not reported  
Max Amount: 900  
Max Amount Code: Not reported  
Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 365  
Fire: True  
Gas: Not reported  
Liquid: True  
Mixture: True  
Pressure: Not reported  
Pure: Not reported  
Reactive: Not reported  
Solid: Not reported  
Trade Secret: Not reported

Chemical Loc:  
Report Year: 2014  
Record Key: 48419  
Chem Inv Record Id: 32117  
Type Code: Above ground tank  
Pressure Code: Ambient pressure  
Temperature Code: Ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Report Year: 2013  
Facility Id: 3806  
State Id: Not reported  
Fire District: Burlington Fire Department  
Site Map: Not reported  
Site Coord Abbreviation: Not reported  
Date Signed: 01/23/2008  
Date Modified: 02/18/2014  
Dike Or Other Safeguard: Not reported  
Mailing Address: Not reported  
Mail City: Not reported  
Mail State: IA  
Mail Zip: Not reported  
Latitude: 40.83539  
Longitude: -91.22329  
Notes: Not reported

Report Year: 2012  
Facility Id: FAIDSIT2A00003806  
State Id: Not reported  
Fire District: Burlington Fire Department  
Site Map: True  
Site Coord Abbreviation: False  
Date Signed: 01/01/1900  
Date Modified: 02/07/2012  
Dike Or Other Safeguard: False  
Mailing Address: Not reported  
Mail City: Not reported  
Mail State: Not reported  
Mail Zip: Not reported  
Latitude: 40.83539  
Longitude: -91.22329  
Notes: Not reported

Report Year: 2012  
Facility Id: FAIDSIT2A00003806  
State Id: Not reported  
Fire District: Burlington Fire Department  
Site Map: True  
Site Coord Abbreviation: False  
Date Signed: 02/21/2013  
Date Modified: 02/21/2013  
Dike Or Other Safeguard: False  
Mailing Address: Not reported  
Mail City: Not reported  
Mail State: Not reported  
Mail Zip: Not reported  
Latitude: 40.83539  
Longitude: -91.22329  
Notes: Not reported

Report Year: 2010  
Facility Id: FAIDSIT2A00003806  
State Id: Not reported  
Fire District: Burlington Fire Department  
Site Map: True  
Site Coord Abbreviation: False



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**S108268515**

Date Signed: 2011-02-10T11:35:57  
Date Modified: 3/30/2011  
Dike Or Other Safeguard: False  
Mailing Address: Not reported  
Mail City: Not reported  
Mail State: Not reported  
Mail Zip: Not reported  
Latitude: 40.835399000000002  
Longitude: -91.223298  
Notes: Not reported

Report Year: 2009  
Facility Id: FAIDSIT2A00003806  
State Id: IA  
Fire District: West Burlington Fire Department  
Site Map: True  
Site Coord Abbreviation: False  
Date Signed: 2010-02-12T13:21:45  
Date Modified: 2010-02-12T00:00:00  
Dike Or Other Safeguard: False  
Mailing Address: Not reported  
Mail City: Not reported  
Mail State: Not reported  
Mail Zip: Not reported  
Latitude: 40.835399000000002  
Longitude: -91.223298  
Notes: Not reported

**J100** **BIG RIVER RESOURCES WEST BURLINGTON LLC**  
**NNE** **15210 103RD ST**  
**> 1** **WEST BURLINGTON, IA 52655**  
**3.738 mi.**  
**19739 ft.** **Site 5 of 5 in cluster J**

**TRIS** **1006875277**  
**FINDS** **52655BGRVR15211**  
**US AIRS**

**Relative:** TRIS:  
**Higher**

[Click this hyperlink](#) while viewing on your computer to access  
7 additional US\_TRIS: record(s) in the EDR Site Report.

**Actual:**  
**712 ft.**

**FINDS:**

Registry ID: 110014396858

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

FRP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON LLC (Continued)**

**1006875277**

TSCA SUBMITTER

US EPA Renewable Fuel Standard (RFS) Program encourages the blending of renewable fuels into our nation's motor vehicle fuel by establishing annual renewable fuel standards, responsibilities of refiners and other fuel producers, a trading system and other compliance mechanisms, and recordkeeping and reporting requirements. In addition to the rule, EPA has published a Regulatory Impact Analysis (RIA), which contains analyses of the economic and environmental impacts of the expanded use of renewable fuels under this program. A renewable fuel is defined as a motor vehicle fuel that is produced from plant or animal products or wastes, as opposed to fossil fuel sources. Renewable fuels include ethanol, biodiesel and other motor vehicle fuels made from renewable sources. Currently, FRS only includes facilities using ethanol fuels from the RFS registered facility list.

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

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

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

AIR MAJOR

HAZARDOUS WASTE BIENNIAL REPORTER

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

GREENHOUSE GAS REPORTER

AIRS (AFS):

Compliance and Violation Data Major Sources:

EPA plant ID: 110014396858  
Plant name: BIG RIVER UNITED ENERGY LLC-W BURLINGTON  
Plant address: 15210 103RD ST  
WEST BURLINGTON, IA 52655

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON LLC (Continued)**

**1006875277**

County: DES MOINES  
Region code: 07  
Dunn & Bradst #: Not reported  
Air quality cntrl region: 065  
Sic code: 2869  
Sic code desc: INDUSTRIAL ORGANIC CHEMICALS, NEC  
North Am. industrial classf: 325193  
NAIC code description: Ethyl Alcohol Manufacturing  
Default compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Default classification: ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS  
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT  
Current HPV: Not reported

101  
SE  
> 1  
3.795 mi.  
20037 ft.

**KENNETH & SHARON DIX PROPERTY  
3257 ROCK SPRING ROAD  
BURLINGTON, IA 52601**

**FINDS 1014884904  
N/A**

Relative:  
Lower

FINDS:

Registry ID: 110043872556

Actual:  
606 ft.

Environmental Interest/Information System  
IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

102  
NNE  
> 1  
3.816 mi.  
20151 ft.

**BIG RIVER RESOURCES LLC  
10324 150TH AVE  
WEST BURLINGTON, IA 52655**

**FINDS 1011276408  
N/A**

Relative:  
Higher

FINDS:

Registry ID: 110036313691

Actual:  
710 ft.

Environmental Interest/Information System  
IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
<b>K103</b> <b>ESE</b> <b>&gt; 1</b> <b>3.841 mi.</b> <b>20280 ft.</b>	<b>5943 BRUSH COLLEGE ROAD</b> <b>5943 BRUSH COLLEGE ROAD</b> <b>BURLINGTON, IA</b>  <b>Site 1 of 2 in cluster K</b>	<b>US CDL</b>	<b>1012198333</b> <b>N/A</b>
<b>Relative:</b> <b>Lower</b>	US CDL: Seizure Date: 01/24/2007		
<b>Actual:</b> <b>642 ft.</b>	<hr/>		
<b>K104</b> <b>ESE</b> <b>&gt; 1</b> <b>3.841 mi.</b> <b>20280 ft.</b>	<b>5943 BRUSH COLLEGE ROAD</b> <b>5943 BRUSH COLLEGE ROAD</b> <b>BURLINGTON, IA</b>  <b>Site 2 of 2 in cluster K</b>	<b>US HIST CDL</b>	<b>1010310820</b> <b>N/A</b>
<b>Relative:</b> <b>Lower</b>	US HIST CDL: Seizure Date: 2007-01-24		
<b>Actual:</b> <b>642 ft.</b>	<hr/>		
<b>105</b> <b>North</b> <b>&gt; 1</b> <b>3.862 mi.</b> <b>20393 ft.</b>	<b>MIDDLETOWN CITY OF STP</b> <b>CITY CLERK, CITY HALL</b> <b>MIDDLETOWN, IA 52638</b>	<b>IA NPDES</b>	<b>1005505378</b> <b>N/A</b>
<b>Relative:</b> <b>Higher</b>	NPDES: Permit Number: 2952001 Epa Npdes Id Number: 0025381 Permit Expiration Date: 03/05/2009 Facility Name: MIDDLETOWN CITY OF STP Facility Address1: CITY CLERK, CITY HALL Facility City: MIDDLETOWN Facility Phone Number: (319)752-8340 Facility Type: MUNICIPAL Facility Class: MINOR Standard Industrial Classification Code: 4952 Owner Name: CITY OF MIDDLETOWN Owner Add1: CITY CLERK, CITY HALL Owner Add2: PO BOX 100 Owner City: MIDDLETOWN Owner State: IA Owner Zip: 52638 Owner Phone: (319)752-8340 Intr Regional/Field Office Number: 6 Section: 25 Township: 70 Range: 04 Latitude Degree: 40.83153 Longitude Degree: -91.26134 River Basin: FLINT RIVER Type Of Treatment: AERATED LAGOON Design Population Equivalent: 587 Design Biochemical Oxygen Demand: 98 Design Avg Dry Weather Flow (Mll Glns Per Dy): 5.700 Design Avg Wet Weather Flow (Mll Glns Per Dy): 0.366 Operator Certification Facility Type: WL Operator Certification Facility Grade: I		

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**L106**      **BIG RIVER RESOURCES WEST BURLINGTON, LLC**      **RMP**      **1012040948**  
**NNE**      **15210 103RD STREET**  
**> 1**      **WEST BURLINGTON, IA 52655**      **N/A**  
**3.883 mi.**  
**20503 ft.**      **Site 1 of 4 in cluster L**

**Relative:**  
**Higher**

RMP:

**Actual:**  
**711 ft.**

Facility ID: 54037  
 LEPC city: Des Moines County LEPC  
 Facility decimal latitude: 40.829108  
 Facility decimal longitude: -091.225936  
 Is facility in county box: T  
 LatLong method: I2  
 LatLong description: CE  
 Home page web address: Not reported  
 Facility telephone: Not reported  
 Facility email: Not reported  
 Facility DUNS #: 143635113  
 Parent's name: Not reported  
 Partner's name: Not reported  
 Parent's DUNS #: 0  
 Partner's DUNS #: 0  
 Operator's name: Jim Leiting  
 Operator's telephone: 3197531100  
 Operator's address: 15210 103rd Street  
 Operators City,St,Zip: West Burlington, IA 52655  
 RMP implementation contact: Brian Schasel  
 RMP contact title: Technical Manager  
 Emergency contact: Brian Schasel  
 Emergency contact title: Technical Manager  
 Emergency contact telephone: 3197531100  
 24 hour emergency telephone: 3197598853  
 Emergency contact ext/pin #: Not reported  
 Number of full time employees: 60  
 EPA ID: Not reported  
 Facility ID provided by CEPPPO: 100000185667  
 Is facility covered by OSHA PSM: T  
 Is facility covered by EPCRA 302: F  
 Is fac. covered by CAA Title V 112(2): F  
 Clean air op. permit/State ID: Not reported  
 Last safety insp. dat: Not reported  
 Inspected by: Never had one  
 Is it OSHA approved with star/merit ranking: False  
 Will RMP involve predictive filing: False  
 Submission type: Resubmission  
 RMP description: Not reported  
 Facility has no accident hist. recs: True  
 Foreign owner's address: Not reported  
 Foreign owner's zip: Not reported  
 Foreign owner's country: Not reported  
 Claim # of employees as CBI: False  
 Date RMP accepted by EPA: 2009-04-02 00:00:00  
 Date of error Report: Not reported  
 Date RMP received: 2009-04-02 00:00:00  
 Does RMP contain graphics files: False  
 Does RMP contain attachments: False  
 Was certification letter received: True  
 RMP submission method: RMP\*Submit  
 Does RMP contain CBI substantiation: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**1012040948**

Does RMP contain electronic waiver: False  
Date RMP postmarked: 2009-04-01 00:00:00  
Is RMP complete: True  
Date of de-registration: Not reported  
Date de-registration is effective: Not reported  
Anniversary date: 2014-04-01 00:00:00  
Does RMP contain CBI data: False  
Does RMP contain unsanitized CBI version: False  
RMP version #: 3.8  
FRS latitude: 40.83278  
FRS longitude: -91.222499999999997  
FRS Description: CENTER OF FACILITY  
FRS Method: INTERPOLATION-MAP

RMP:

Process ID: 78810  
NA & Industry Classification Sys.code(s): 325193  
NAICS code description: Ethyl Alcohol Manufacturing  
Optional facility description: Ethanol Manufacturing  
Program level: 3  
Record contains CBI data: False

RMP:

Chemical name: Public OCA Chemical  
Process chemical qty in 100s lbs: 0  
Process flammable chemical name: Not reported

RMP:

Percent weight of chemical: Not reported  
Physical state: c  
Analytical basic: EPA's RMP\*Comp(TM)  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: 3  
Stability class: D  
Topography: b  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Excess flow valve, Emergency shutdown

RMP:

Percent weight of chemical: Not reported  
Physical state: c  
Analytical basic: EPA's RMP\*Comp(TM)  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: 10  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: 1.5  
Stability class: F  
Topography: b  
Distance to endpoint in miles: Not reported  
Residential population: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**1012040948**

Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
RMP:	
Endpoint used:	Not reported
LFL value:	Not reported
Analytical basic:	Not reported
Scenario:	Not reported
Quantity released in pounds:	Not reported
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported
RMP:	
Analytical basic:	Not reported
Quantity released in pounds:	Not reported
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Safety review date:	Not reported
Most recent PHA date:	Not reported
Process Hazard Analysis:	Not reported
Expected PHA changes completion date:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	Not reported
Date of pre-start review:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	Not reported
Date of hot work permit review:	Not reported
Date of contractor safety review:	Not reported
Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**1012040948**

Mitigation Systems: Not reported  
Monitoring/Detection: Not reported  
Changes since the last process hazard analysis: Not reported  
Most recent hazard review/update: Not reported  
Most recent review of op. procedures: Not reported  
Most recent training progs review/update: Not reported  
Expected completion of review changes: Not reported  
Training: Not reported  
Competency testing: Not reported  
Most recent maintenance review date: Not reported  
Most recent equipment inspection date: Not reported  
Equipment tested: Not reported  
Most recent compliance audit date: Not reported  
Expected date of audit completion: Not reported  
Most recent incident investigation: Not reported  
Expected date of investigation changes: Not reported  
Record has CBI data: Not reported  
Date of most recent changes: Not reported  
Chemical name: Ammonia (anhydrous)  
Process chemical qty in 100s lbs: 97200  
Process flammable chemical name: Not reported

**RMP:**

Percent weight of chemical: Not reported  
Physical state: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: Not reported  
Stability class: Not reported  
Topography: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Not reported

**RMP:**

Percent weight of chemical: Not reported  
Physical state: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: Not reported  
Stability class: Not reported  
Topography: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported

**RMP:**

Endpoint used: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**1012040948**

LFL value:	Not reported
Analytical basic:	Not reported
Scenario:	Not reported
Quantity released in pounds:	Not reported
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

**RMP:**

Analytical basic:	Not reported
Quantity released in pounds:	Not reported
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Safety review date:	Not reported
Most recent PHA date:	Not reported
Process Hazard Analysis:	Not reported
Expected PHA changes completion date:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	Not reported
Date of pre-start review:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	Not reported
Date of hot work permit review:	Not reported
Date of contractor safety review:	Not reported
Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**1012040948**

Expected completion of review changes: Not reported  
Training: Not reported  
Competency testing: Not reported  
Most recent maintenance review date: Not reported  
Most recent equipment inspection date: Not reported  
Equipment tested: Not reported  
Most recent compliance audit date: Not reported  
Expected date of audit completion: Not reported  
Most recent incident investigation: Not reported  
Expected date of investigation changes: Not reported  
Record has CBI data: Not reported  
Date of most recent changes: Not reported  
Process ID: 78811  
NA & Industry Classification Sys.code(s): 325193  
NAICS code description: Ethyl Alcohol Manufacturing  
Optional facility description: Ethanol Manufacturing  
Program level: 3  
Record contains CBI data: False

RMP:

Chemical name: Public OCA Chemical  
Process chemical qty in 100s lbs: 0  
Process flammable chemical name: Not reported

RMP:

Percent weight of chemical: Not reported  
Physical state: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: Not reported  
Stability class: Not reported  
Topography: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Not reported

RMP:

Percent weight of chemical: Not reported  
Physical state: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: Not reported  
Stability class: Not reported  
Topography: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**1012040948**

RMP:

Endpoint used:	Not reported
LFL value:	Not reported
Analytical basic:	EPA's RMP*Comp(TM)
Scenario:	Not reported
Quantity released in pounds:	Not reported
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Dikes, Lined containment area
Active mitigation:	Floating roof, shutoff valves with fusible links

RMP:

Analytical basic:	EPA's RMP*Comp(TM)
Quantity released in pounds:	Not reported
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Containment, Lined Berm
Safety review date:	Not reported
Most recent PHA date:	Not reported
Process Hazard Analysis:	Not reported
Expected PHA changes completion date:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	Not reported
Date of pre-start review:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	Not reported
Date of hot work permit review:	Not reported
Date of contractor safety review:	Not reported
Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**1012040948**

Most recent hazard review/update: Not reported  
Most recent review of op. procedures: Not reported  
Most recent training progs review/update: Not reported  
Expected completion of review changes: Not reported  
Training: Not reported  
Competency testing: Not reported  
Most recent maintenance review date: Not reported  
Most recent equipment inspection date: Not reported  
Equipment tested: Not reported  
Most recent compliance audit date: Not reported  
Expected date of audit completion: Not reported  
Most recent incident investigation: Not reported  
Expected date of investigation changes: Not reported  
Record has CBI data: Not reported  
Date of most recent changes: Not reported  
Chemical name: Flammable Mixture  
Process chemical qty in 100s lbs: 560000  
Process flammable chemical name: 1-Butene  
Process flammable chemical name: Butane  
Process flammable chemical name: Isobutane [Propane, 2-methyl]  
Process flammable chemical name: Isopentane [Butane, 2-methyl-]  
Process flammable chemical name: Pentane

**RMP:**

Percent weight of chemical: Not reported  
Physical state: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: Not reported  
Stability class: Not reported  
Topography: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Not reported

**RMP:**

Percent weight of chemical: Not reported  
Physical state: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: Not reported  
Stability class: Not reported  
Topography: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**1012040948**

RMP:

Endpoint used:	Not reported
LFL value:	Not reported
Analytical basic:	Not reported
Scenario:	Not reported
Quantity released in pounds:	Not reported
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Active mitigation:	Not reported

RMP:

Analytical basic:	Not reported
Quantity released in pounds:	Not reported
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Safety review date:	Not reported
Most recent PHA date:	Not reported
Process Hazard Analysis:	Not reported
Expected PHA changes completion date:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	Not reported
Date of pre-start review:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	Not reported
Date of hot work permit review:	Not reported
Date of contractor safety review:	Not reported
Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BIG RIVER RESOURCES WEST BURLINGTON, LLC (Continued)**

**1012040948**

Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Expected completion of review changes:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	Not reported
Date of most recent changes:	Not reported

RMP:

ER plan:	Not reported
ER plan most recent review date:	2008-07-17 00:00:00
ER plan most recent employee training date:	2008-10-14 00:00:00
Local agency coordinating ER plan:	West Burlington Fire Department
Telephone of the coordinating local agency:	3197531088
Federal regulation:	True
OSHA 1910 120:	False
SPCC:	True
RCRA:	True
OPA 90:	False
EPCRA:	False
Other Regulations:	Not reported

L107  
 NNE  
 > 1  
 3.883 mi.  
 20503 ft.

**BIG RIVER RESOURCES, LLC**  
**15210 103RD STREET**  
**WEST BURLINGTON, IA 52655**  
 Site 2 of 4 in cluster L

**TSCA 1014197918**  
**N/A**

Relative:  
 Higher

[Click this hyperlink](#) while viewing on your computer to access additional TSCA detail in the EDR Site Report.

Actual:  
 711 ft.  
 L108  
 NNE  
 > 1  
 3.883 mi.  
 20503 ft.

**BIG RIVER RESOURCES LLC**  
**15210 103RD ST**  
**WEST BURLINGTON, IA 52655**  
 Site 3 of 4 in cluster L

**RCRA-CESQG 1008880448**  
**IAR000505420**

Relative:  
 Higher

RCRA-CESQG:  
 Date form received by agency: 11/30/2006  
 Facility name: BIG RIVER RESOURCES LLC  
 Facility address: 15210 103RD ST  
 WEST BURLINGTON, IA 52655-8697  
 EPA ID: IAR000505420  
 Mailing address: 103RD ST  
 WEST BURLINGTON, IA 52655-8697  
 Contact: BRIAN M SCHASEL  
 Contact address: 103RD ST  
 WEST BURLINGTON, IA 52655-8697  
 Contact country: US

Actual:  
 711 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES LLC (Continued)**

**1008880448**

Contact telephone: 319-768-5873  
Contact email: BRIAN.SCHASEL@BIGRIVERRESOURCES.COM  
EPA Region: 07  
Land type: Private  
Classification: Conditionally Exempt Small Quantity Generator  
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: BIG RIVER RESOURCES LLC  
Owner/operator address: 103RD ST  
WEST BURLINGTON, IA 52655  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 04/12/2004  
Owner/Op end date: Not reported

Owner/operator name: BIG RIVER RESOURCES LLC  
Owner/operator address: 103RD ST  
WEST BURLINGTON, IA 52655  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 04/12/2004  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES LLC (Continued)**

**1008880448**

Used oil transporter: No

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D018
- . Waste name: BENZENE
  
- . Waste code: U154
- . Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)
  
- . Waste code: UOIL
- . Waste name: UOIL

Historical Generators:

Date form received by agency: 05/16/2006  
Site name: BIG RIVER RESOURCES LLC  
Classification: Conditionally Exempt Small Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: D003
- . Waste name: REACTIVE WASTE
  
- . Waste code: D018
- . Waste name: BENZENE
  
- . Waste code: U154
- . Waste name: METHANOL (I) (OR) METHYL ALCOHOL (I)

Date form received by agency: 02/02/2006  
Site name: BIG RIVER RESOURCES LLC  
Classification: Conditionally Exempt Small Quantity Generator

- . Waste code: D002
- . Waste name: CORROSIVE WASTE
  
- . Waste code: UOIL
- . Waste name: UOIL

Date form received by agency: 12/27/2005  
Site name: BIG RIVER RESOURCES LLC  
Classification: Conditionally Exempt Small Quantity Generator

- . Waste code: D002
- . Waste name: CORROSIVE WASTE



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES LLC (Continued)**

**1008880448**

Date form received by agency: 11/14/2005  
Site name: BIG RIVER RESOURCES LLC  
Classification: Conditionally Exempt Small Quantity Generator  
  
. Waste code: D002  
. Waste name: CORROSIVE WASTE

Date form received by agency: 10/25/2005  
Site name: BIG RIVER RESOURCES LLC  
Classification: Large Quantity Generator  
  
. Waste code: D002  
. Waste name: CORROSIVE WASTE

Facility Has Received Notices of Violations:

Regulation violated: FR - 40 CFR 262.41  
Area of violation: Generators - Records/Reporting  
Date violation determined: 04/01/2006  
Date achieved compliance: 05/19/2006  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 05/05/2006  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 05/05/2006  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Generators - Records/Reporting  
Date achieved compliance: 05/19/2006  
Evaluation lead agency: EPA

Evaluation date: 02/02/2006  
Evaluation: COMPLIANCE ASSISTANCE VISIT  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

L109  
NNE  
> 1  
3.883 mi.  
20503 ft.

**BIG RIVER RESOURCES, L.L.C.**  
**15210 103RD STREET**  
**WEST BURLINGTON, IA 52655**

**RMP 1011816774**  
**N/A**

**Site 4 of 4 in cluster L**

**Relative:  
Higher**

RMP:

Facility ID: 29779  
LEPC city: Des Moines County LEPC  
Facility decimal latitude: 40.832778  
Facility decimal longitude: -91.2225  
Is facility in county box: T  
LatLong method: I1  
LatLong description: CE  
Home page web address: www.bigriverresources.com  
Facility telephone: 3197531100

**Actual:  
711 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES, L.L.C. (Continued)**

**1011816774**

Facility email: Not reported  
Facility DUNS #: 143635113  
Parent's name: Not reported  
Partner's name: Not reported  
Parent's DUNS #: 0  
Partner's DUNS #: 0  
Operator's name: Big River Resources, L.L.C.  
Operator's telephone: 3197531100  
Operator's address: 15210 103rd Street  
Operators City,St,Zip: West Burlington, IA 52655  
RMP implementation contact: Edgar Seward  
RMP contact title: General Manager  
Emergency contact: Edgar Seward  
Emergency contact title: General Manager  
Emergency contact telephone: 3197531100  
24 hour emergency telephone: 3197685877  
Emergency contact ext/pin #: Not reported  
Number of full time employees: 34  
EPA ID: Not reported  
Facility ID provided by CEPP0: 100000185667  
Is facility covered by OSHA PSM: T  
Is facility covered by EPCRA 302: F  
Is fac. covered by CAA Title V 112(2): F  
Clean air op. permit/State ID: Not reported  
Last safety insp. dat: Not reported  
Inspected by: Never had one  
Is it OSHA approved with star/merit ranking: False  
Will RMP involve predictive filing: False  
Submission type: Resubmission  
RMP description: Denaturant  
Facility has no accident hist. recs: True  
Foreign owner's address: Not reported  
Foreign owner's zip: Not reported  
Foreign owner's country: Not reported  
Claim # of employees as CBI: False  
Date RMP accepted by EPA: 2004-04-06 00:00:00  
Date of error Report: Not reported  
Date RMP received: 2004-04-05 00:00:00  
Does RMP contain graphics files: False  
Does RMP contain attachments: False  
Was certification letter received: True  
RMP submission method: RMP\*Submit  
Does RMP contain CBI substantiation: False  
Does RMP contain electronic waiver: False  
Date RMP postmarked: 2004-04-01 00:00:00  
Is RMP complete: True  
Date of de-registration: Not reported  
Date de-registration is effective: Not reported  
Anniversary date: 2009-04-01 00:00:00  
Does RMP contain CBI data: False  
Does RMP contain unsanitized CBI version: False  
RMP version #: 2.0  
FRS latitude: 40.83278  
FRS longitude: -91.22249999999997  
FRS Description: CENTER OF FACILITY  
FRS Method: INTERPOLATION-MAP

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES, L.L.C. (Continued)**

**1011816774**

RMP:

Process ID: 43282  
NA & Industry Classification Sys.code(s): 325193  
NAICS code description: Ethyl Alcohol Manufacturing  
Optional facility description: Denaturant  
Program level: 3  
Record contains CBI data: False

RMP:

Chemical name: Public OCA Chemical  
Process chemical qty in 100s lbs: 0  
Process flammable chemical name: Not reported

RMP:

Percent weight of chemical: Not reported  
Physical state: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: Not reported  
Stability class: Not reported  
Topography: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Not reported

RMP:

Percent weight of chemical: Not reported  
Physical state: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: Not reported  
Stability class: Not reported  
Topography: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported

RMP:

Endpoint used: Not reported  
LFL value: Not reported  
Analytical basic: EPA's RMP\*Comp(TM)  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Dikes, Lined containment area.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES, L.L.C. (Continued)**

**1011816774**

Active mitigation: Floating roofs, shutoff valves with fusable links.

RMP:

Analytical basic: EPA's RMP\*Comp(TM)  
Quantity released in pounds: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Containment, Lined Berm  
Safety review date: Not reported  
Most recent PHA date: Not reported  
Process Hazard Analysis: Not reported  
Expected PHA changes completion date: Not reported  
Major Hazard: Not reported  
Process Control: Not reported  
Mitigation Systems: Not reported  
Monitoring/Detection: Not reported  
Changes since the last process hazard analysis: Not reported  
Most recent review of op. procedures: Not reported  
Most recent training progs review/update: Not reported  
Training: Not reported  
Competency testing: Not reported  
Most recent maintenance review date: Not reported  
Most recent equipment inspection date: Not reported  
Equipment tested: Not reported  
Most recent changes by mgmt: Not reported  
Date of most recent review/update: Not reported  
Date of pre-start review: Not reported  
Most recent compliance audit date: Not reported  
Expected date of audit completion: Not reported  
Most recent incident investigation: Not reported  
Expected date of investigation changes: Not reported  
Date of participation plan review: Not reported  
Date of hot work permit review: Not reported  
Date of contractor safety review: Not reported  
Date of contractor safety eval. review: Not reported  
Record has CBI data: Not reported  
Safety review date: Not reported  
Federal Regulation: Not reported  
Federal regulation comment: Not reported  
Major Hazard: Not reported  
Process Control: Not reported  
Mitigation Systems: Not reported  
Monitoring/Detection: Not reported  
Changes since the last process hazard analysis: Not reported  
Most recent hazard review/update: Not reported  
Most recent review of op. procedures: Not reported  
Most recent training progs review/update: Not reported  
Expected completion of review changes: Not reported  
Training: Not reported  
Competency testing: Not reported  
Most recent maintenance review date: Not reported  
Most recent equipment inspection date: Not reported  
Equipment tested: Not reported  
Most recent compliance audit date: Not reported  
Expected date of audit completion: Not reported  
Most recent incident investigation: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES, L.L.C. (Continued)**

**1011816774**

Expected date of investigation changes: Not reported  
Record has CBI data: Not reported  
Date of most recent changes: Not reported  
Chemical name: Flammable Mixture  
Process chemical qty in 100s lbs: 560000  
Process flammable chemical name: 1-Butene  
Process flammable chemical name: Isobutane [Propane, 2-methyl]  
Process flammable chemical name: Butane  
Process flammable chemical name: Isopentane [Butane, 2-methyl-]  
Process flammable chemical name: Pentane

RMP:

Percent weight of chemical: Not reported  
Physical state: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: Not reported  
Stability class: Not reported  
Topography: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Not reported

RMP:

Percent weight of chemical: Not reported  
Physical state: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: Not reported  
Stability class: Not reported  
Topography: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported

RMP:

Endpoint used: Not reported  
LFL value: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES, L.L.C. (Continued)**

**1011816774**

RMP:

Analytical basic:	Not reported
Quantity released in pounds:	Not reported
Distance to endpoint in miles:	Not reported
Residential population:	Not reported
Public receptors:	Not reported
Environmental receptors:	Not reported
Passive mitigation:	Not reported
Safety review date:	Not reported
Most recent PHA date:	Not reported
Process Hazard Analysis:	Not reported
Expected PHA changes completion date:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	Not reported
Date of pre-start review:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	Not reported
Date of hot work permit review:	Not reported
Date of contractor safety review:	Not reported
Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Expected completion of review changes:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES, L.L.C. (Continued)**

**1011816774**

Record has CBI data: Not reported  
Date of most recent changes: Not reported

RMP:

ER plan: Not reported  
ER plan most recent review date: 2004-04-15 00:00:00  
ER plan most recent employee training date: 2004-04-15 00:00:00  
Local agency coordinating ER plan: West Burlington Fire Department  
Telephone of the coordinating local agency: 3197531088  
Federal regulation: True  
OSHA 1910 120: False  
SPCC: True  
RCRA: True  
OPA 90: False  
EPCRA: False  
Other Regulations: Not reported

RMP:

Facility ID: 29780  
LEPC city: Des Moines County LEPC  
Facility decimal latitude: 40.832778  
Facility decimal longitude: -91.2225  
Is facility in county box: T  
LatLong method: I1  
LatLong description: CE  
Home page web address: www.bigriverresources.com  
Facility telephone: 3197531100  
Facility email: Not reported  
Facility DUNS #: 143635113  
Parent's name: Not reported  
Partner's name: Not reported  
Parent's DUNS #: 0  
Partner's DUNS #: 0  
Operator's name: Big River Resources, L.L.C.  
Operator's telephone: 3197531100  
Operator's address: 15210 103rd Street  
Operators City,St,Zip: West Burlington, IA 52655  
RMP implementation contact: Edgar Seward  
RMP contact title: General Manager  
Emergency contact: Edgar Seward  
Emergency contact title: General Manager  
Emergency contact telephone: 3197531100  
24 hour emergency telephone: 3197685877  
Emergency contact ext/pin #: Not reported  
Number of full time employees: 34  
EPA ID: Not reported  
Facility ID provided by CEPPO: 100000185667  
Is facility covered by OSHA PSM: T  
Is facility covered by EPCRA 302: F  
Is fac. covered by CAA Title V 112(2): F  
Clean air op. permit/State ID: Not reported  
Last safety insp. dat: Not reported  
Inspected by: Never had one  
Is it OSHA approved with star/merit ranking: False  
Will RMP involve predictive filing: False  
Submission type: First Time  
RMP description: Anhydrous Ammonia

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES, L.L.C. (Continued)**

**1011816774**

Facility has no accident hist. recs: True  
Foreign owner's address: Not reported  
Foreign owner's zip: Not reported  
Foreign owner's country: Not reported  
Claim # of employees as CBI: False  
Date RMP accepted by EPA: 2004-04-06 00:00:00  
Date of error Report: Not reported  
Date RMP received: 2004-04-05 00:00:00  
Does RMP contain graphics files: False  
Does RMP contain attachments: False  
Was certification letter received: True  
RMP submission method: RMP\*Submit  
Does RMP contain CBI substantiation: False  
Does RMP contain electronic waiver: False  
Date RMP postmarked: 2004-04-01 00:00:00  
Is RMP complete: True  
Date of de-registration: Not reported  
Date de-registration is effective: Not reported  
Anniversary date: 2009-04-01 00:00:00  
Does RMP contain CBI data: False  
Does RMP contain unsanitized CBI version: False  
RMP version #: 2.0  
FRS latitude: 40.83278  
FRS longitude: -91.22249999999997  
FRS Description: CENTER OF FACILITY  
FRS Method: INTERPOLATION-MAP

RMP:

Process ID: 43283  
NA & Industry Classification Sys.code(s): 325193  
NAICS code description: Ethyl Alcohol Manufacturing  
Optional facility description: Anhydrous Ammonia  
Program level: 3  
Record contains CBI data: False

RMP:

Chemical name: Public OCA Chemical  
Process chemical qty in 100s lbs: 0  
Process flammable chemical name: Not reported

RMP:

Percent weight of chemical: Not reported  
Physical state: c  
Analytical basic: EPA's RMP\*Comp(TM)  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: 3  
Stability class: D  
Topography: b  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Excess flow valve, Emergency shutdown



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES, L.L.C. (Continued)**

**1011816774**

RMP:

Percent weight of chemical: Not reported  
Physical state: c  
Analytical basic: EPA's RMP\*Comp(TM)  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: 10  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: 1.5  
Stability class: F  
Topography: b  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported

RMP:

Endpoint used: Not reported  
LFL value: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Not reported

RMP:

Analytical basic: Not reported  
Quantity released in pounds: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Safety review date: Not reported  
Most recent PHA date: Not reported  
Process Hazard Analysis: Not reported  
Expected PHA changes completion date: Not reported  
Major Hazard: Not reported  
Process Control: Not reported  
Mitigation Systems: Not reported  
Monitoring/Detection: Not reported  
Changes since the last process hazard analysis: Not reported  
Most recent review of op. procedures: Not reported  
Most recent training progs review/update: Not reported  
Training: Not reported  
Competency testing: Not reported  
Most recent maintenance review date: Not reported  
Most recent equipment inspection date: Not reported  
Equipment tested: Not reported  
Most recent changes by mgmt: Not reported  
Date of most recent review/update: Not reported  
Date of pre-start review: Not reported  
Most recent compliance audit date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES, L.L.C. (Continued)**

**1011816774**

Expected date of audit completion: Not reported  
Most recent incident investigation: Not reported  
Expected date of investigation changes: Not reported  
Date of participation plan review: Not reported  
Date of hot work permit review: Not reported  
Date of contractor safety review: Not reported  
Date of contractor safety eval. review: Not reported  
Record has CBI data: Not reported  
Safety review date: Not reported  
Federal Regulation: Not reported  
Federal regulation comment: Not reported  
Major Hazard: Not reported  
Process Control: Not reported  
Mitigation Systems: Not reported  
Monitoring/Detection: Not reported  
Changes since the last process hazard analysis: Not reported  
Most recent hazard review/update: Not reported  
Most recent review of op. procedures: Not reported  
Most recent training progs review/update: Not reported  
Expected completion of review changes: Not reported  
Training: Not reported  
Competency testing: Not reported  
Most recent maintenance review date: Not reported  
Most recent equipment inspection date: Not reported  
Equipment tested: Not reported  
Most recent compliance audit date: Not reported  
Expected date of audit completion: Not reported  
Most recent incident investigation: Not reported  
Expected date of investigation changes: Not reported  
Record has CBI data: Not reported  
Date of most recent changes: Not reported  
Chemical name: Ammonia (anhydrous)  
Process chemical qty in 100s lbs: 97200  
Process flammable chemical name: Not reported

**RMP:**

Percent weight of chemical: Not reported  
Physical state: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: Not reported  
Stability class: Not reported  
Topography: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Not reported

**RMP:**

Percent weight of chemical: Not reported  
Physical state: Not reported  
Analytical basic: Not reported  
Scenario: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BIG RIVER RESOURCES, L.L.C. (Continued)**

**1011816774**

Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: Not reported  
Stability class: Not reported  
Topography: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported

RMP:

Endpoint used: Not reported  
LFL value: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Not reported

RMP:

Analytical basic: Not reported  
Quantity released in pounds: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Safety review date: Not reported  
Most recent PHA date: Not reported  
Process Hazard Analysis: Not reported  
Expected PHA changes completion date: Not reported  
Major Hazard: Not reported  
Process Control: Not reported  
Mitigation Systems: Not reported  
Monitoring/Detection: Not reported  
Changes since the last process hazard analysis: Not reported  
Most recent review of op. procedures: Not reported  
Most recent training progs review/update: Not reported  
Training: Not reported  
Competency testing: Not reported  
Most recent maintenance review date: Not reported  
Most recent equipment inspection date: Not reported  
Equipment tested: Not reported  
Most recent changes by mgmt: Not reported  
Date of most recent review/update: Not reported  
Date of pre-start review: Not reported  
Most recent compliance audit date: Not reported  
Expected date of audit completion: Not reported  
Most recent incident investigation: Not reported  
Expected date of investigation changes: Not reported  
Date of participation plan review: Not reported  
Date of hot work permit review: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BIG RIVER RESOURCES, L.L.C. (Continued)**

**1011816774**

Date of contractor safety review:	Not reported
Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Expected completion of review changes:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	Not reported
Date of most recent changes:	Not reported
<b>RMP:</b>	
ER plan:	Not reported
ER plan most recent review date:	2004-04-15 00:00:00
ER plan most recent employee training date:	2004-04-15 00:00:00
Local agency coordinating ER plan:	West Burlington Fire Department
Telephone of the coordinating local agency:	3197531088
Federal regulation:	True
OSHA 1910 120:	False
SPCC:	True
RCRA:	True
OPA 90:	False
EPCRA:	False
Other Regulations:	Not reported

**M110**  
**NE**  
 > 1  
 3.956 mi.  
 20889 ft.

**RILEY INDUSTRIAL PAINTING**  
**15310 HWY 34 W**  
**WEST BURLINGTON, IA 52655**

**RCRA-SQG 1000120424**  
**US AIRS IAD981717804**

**Site 1 of 14 in cluster M**

**Relative:**  
**Higher**

RCRA-SQG:  
 Date form received by agency: 04/19/2013  
 Facility name: RILEY INDUSTRIAL PAINTING  
 Facility address: 15310 HWY 34 W  
 WEST BURLINGTON, IA 52655  
 EPA ID: IAD981717804  
 Mailing address: PO BOX 965  
 BURLINGTON, IA 52601  
 Contact: JEFF JENNISON  
 Contact address: PO BOX 965  
 BURLINGTON, IA 52601

**Actual:**  
**708 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RILEY INDUSTRIAL PAINTING (Continued)**

**1000120424**

Contact country: US  
Contact telephone: (319) 753-1667  
Contact email: JEFF@RILEYPAINT.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: RILEY INDUSTRIAL PAINTING  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 02/11/2013  
Owner/Op end date: Not reported

Owner/operator name: RILEY INDUSTRIAL PAINTING  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 02/11/2013  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RILEY INDUSTRIAL PAINTING (Continued)**

**1000120424**

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.

Historical Generators:

Date form received by agency: 08/01/2002  
Site name: RILEY INDUSTRIAL PAINTING  
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.

Date form received by agency: 03/26/2002  
Site name: RILEY INDUSTRIAL PAINTING  
Classification: Small Quantity Generator

Date form received by agency: 03/03/2000  
Site name: RILEY INDUSTRIAL PAINTING  
Classification: Large Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RILEY INDUSTRIAL PAINTING (Continued)**

**1000120424**

. Waste code: D002  
. Waste name: CORROSIVE 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.

Date form received by agency: 02/29/2000  
Site name: RILEY INDUSTRIAL PAINTING  
Classification: Large Quantity Generator

Date form received by agency: 02/25/1998  
Site name: RILEY INDUSTRIAL PAINTING  
Classification: Large Quantity Generator

Date form received by agency: 11/04/1997  
Site name: RILEY INDUSTRIAL PAINTING  
Classification: Large Quantity Generator

Date form received by agency: 08/22/1996  
Site name: JSJ INC.  
Classification: Large Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: Not reported  
Area of violation: TSD IS-Preparedness and Prevention  
Date violation determined: 11/04/1997  
Date achieved compliance: 11/10/1997  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 11/04/1997  
Enf. disposition status: Action Satisfied (Case Closed)  
Enf. disp. status date: 02/02/1998  
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-Contingency Plan and Emergency Procedures

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RILEY INDUSTRIAL PAINTING (Continued)**

**1000120424**

Date violation determined: 11/04/1997  
Date achieved compliance: 11/10/1997  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 11/04/1997  
Enf. disposition status: Action Satisfied (Case Closed)  
Enf. disp. status date: 02/02/1998  
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 - Manifest  
Date violation determined: 11/04/1997  
Date achieved compliance: 11/10/1997  
Violation lead agency: EPA  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 11/04/1997  
Enf. disposition status: Action Satisfied (Case Closed)  
Enf. disp. status date: 02/02/1998  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 08/01/2002  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 11/04/1997  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD IS-Preparedness and Prevention  
Date achieved compliance: 11/10/1997  
Evaluation lead agency: EPA

Evaluation date: 11/04/1997  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Manifest  
Date achieved compliance: 11/10/1997  
Evaluation lead agency: EPA

Evaluation date: 11/04/1997  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD IS-Contingency Plan and Emergency Procedures  
Date achieved compliance: 11/10/1997  
Evaluation lead agency: EPA

Evaluation date: 05/11/1994  
Evaluation: FOCUSED COMPLIANCE INSPECTION  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA Contractor/Grantee



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**RILEY INDUSTRIAL PAINTING (Continued)**

**1000120424**

AIRS (AFS):

Compliance and Violation Data Major Sources:

EPA plant ID: 110007509516  
Plant name: RILEY INDUSTRIAL PAINTING INC  
Plant address: 15310 DMC HWY 34 W  
WEST BURLINGTON, IA 52655  
County: DES MOINES  
Region code: 07  
Dunn & Bradst #: Not reported  
Air quality cntrl region: 065  
Sic code: 3479  
Sic code desc: METAL COATING AND ALLIED SERVICES  
North Am. industrial classf: 332812  
NAIC code description: Metal Coating, Engraving (except Jewelry and Silverware), and Allied Services to Manufacturers  
Default compliance status: IN COMPLIANCE - INSPECTION  
Default classification: ACTUAL OR POTENTIAL EMISSIONS ARE ABOVE THE APPLICABLE MAJOR SOURCE THRESHOLDS  
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT  
Current HPV: Not reported

M111  
NE  
> 1  
3.962 mi.  
20921 ft.

SE CORNER AT JUNCTION HWY 34 AND 406  
BURLINGTON, IA

IA SPILLS S106595288  
N/A

Site 2 of 14 in cluster M

Relative:  
Higher

SPILL:

Actual:  
704 ft.

Facility ID: 03308-KL-1615  
Reported Date: 03/30/1998  
Reported Time: 4:15:00 PM  
Taken By: KATHY LEE  
Spill Date: 03/30/1998  
Spill Time: 1:00:00 PM  
6 hr Letter: No  
Continuous Release: No  
Incident Location: Not reported  
Incident Mode: Transportation  
Incident Type: Petroleum  
Incident Medium Land: Yes  
Incident Medium Water: No  
Incident Medium Air: No  
Field Office: Not reported  
Company Name: Not reported  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S106595288

Company Contact City/State/Zip: Not reported  
Company Contact Phone: Not reported  
Company Contact Fax No: Not reported  
Company Contact Start Date: Not reported  
Company Contact End Date: Not reported  
Initial Instructions: Not reported  
Events: Two vehicle accident, truck ended up in ditch. Diesel spilled into ditch and most has soaked into the ground

M112  
NE  
> 1  
3.970 mi.  
20964 ft.

TEXICO TRUCK STOP AT HWY 34 AND 406  
BURLINGTON, IA  
Site 3 of 14 in cluster M

IA SPILLS S106596922  
N/A

Relative:  
Higher

SPILL:

Actual:  
707 ft.

Facility ID: 07147-SD-0533  
Reported Date: 07/14/1997  
Reported Time: 3:53:00 AM  
Taken By: SUSAN DIXON  
Spill Date: 07/14/1997  
Spill Time: 3:00:00 AM  
6 hr Letter: No  
Continuous Release: No  
Incident Location: Not reported  
Incident Mode: Handling And Storage  
Incident Type: Petroleum  
Incident Medium Land: Yes  
Incident Medium Water: No  
Incident Medium Air: No  
Field Office: Not reported  
Company Name: Not reported  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported  
Company Contact City/State/Zip: Not reported  
Company Contact Phone: Not reported  
Company Contact Fax No: Not reported  
Company Contact Start Date: Not reported  
Company Contact End Date: Not reported  
Initial Instructions: Not reported  
Events: A truck driver was filling his tanks when he overfilled due to the nozzle not shutting off. The truck was unattended at the time. A police officer noticed the smell and called the Fire Dept.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

M113  
NE  
> 1  
3.970 mi.  
20964 ft.

CORNER OF US 34 AND HWY 406 W. BURLINGTON, IA  
WEST BURLINGTON, IA

IA SPILLS S106595925  
N/A

Site 4 of 14 in cluster M

Relative:  
Higher

SPILL:

Actual:  
707 ft.

Facility ID: 05097-JLB-0830  
Reported Date: 05/09/1997  
Reported Time: 8:30:00 AM  
Taken By: JERRY L. BARTACHEK  
Spill Date: 05/08/1997  
Spill Time: Not reported  
6 hr Letter: Yes  
Continuous Release: No  
Incident Location: Not reported  
Incident Mode: Not reported  
Incident Type: Petroleum  
Incident Medium Land: Yes  
Incident Medium Water: No  
Incident Medium Air: No  
Field Office: Not reported  
Company Name: Not reported  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported  
Company Contact City/State/Zip: Not reported  
Company Contact Phone: Not reported  
Company Contact Fax No: Not reported  
Company Contact Start Date: Not reported  
Company Contact End Date: Not reported  
Initial Instructions: Not reported  
Events: According to Benblossom, spill occurred 5:00 to 6:00 PM Thursday 5/8/97. At 2:30 am the police dispatcher sent firemen to scene based on report from customer at 34 Truck Stop who said there was spilled

M114  
NE  
> 1  
3.982 mi.  
21026 ft.

REIF OIL CO  
4411 W MOUNT PLEASANT ST  
WEST BURLINGTON, IA 52655

FINDS 1014701334  
US AIRS N/A

Site 5 of 14 in cluster M

Relative:  
Higher

FINDS:

Actual:  
706 ft.

Registry ID: 110041351998  
Environmental Interest/Information System  
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REIF OIL CO (Continued)**

**1014701334**

AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

AIR MINOR

IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

AIRS (AFS):

Airs Minor Details:

EPA plant ID: 110041351998  
Plant name: REIF OIL CO  
Plant address: 4411 W MOUNT PLEASANT ST  
WEST BURLINGTON, IA 52655  
County: DES MOINES  
Region code: 07  
Dunn & Bradst #: Not reported  
Air quality cntrl region: 065  
Sic code: 5171  
Sic code desc: PETROLEUM BULK STATIONS AND TERMINALS  
North Am. industrial classf: 424710  
NAIC code description: Petroleum Bulk Stations and Terminals  
Default compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Default classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT  
Current HPV: Not reported

Historical Compliance Minor Sources:

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1403  
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1402  
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1401  
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1304  
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1303  
Air prog code hist file: MACT (SECTION 63 NESHAPS)

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REIF OIL CO (Continued)**

**1014701334**

Hist compliance date:	1302
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1301
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1204
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1203
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1202
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1201
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1104
Air prog code hist file:	MACT (SECTION 63 NESHAPS)
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1403
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1402
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1401
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1304
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1303
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1302
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1301
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1204

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REIF OIL CO (Continued)**

**1014701334**

Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1203  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1201  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1104  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1202  
Air prog code hist file: SIP SOURCE

Compliance & Violation Data by Minor Sources:

Air program code: SIP SOURCE  
Plant air program pollutant: CARBON MONOXIDE  
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Def. attainment/non atnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT  
Repeat violator date: Not reported  
Turnover compliance: Not reported

Air program code: SIP SOURCE  
Plant air program pollutant: LEAD  
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Def. attainment/non atnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT  
Repeat violator date: Not reported  
Turnover compliance: Not reported

Air program code: SIP SOURCE  
Plant air program pollutant: SULFUR DIOXIDE  
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Def. attainment/non atnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT  
Repeat violator date: Not reported  
Turnover compliance: Not reported

Air program code: SIP SOURCE  
Plant air program pollutant: VOLATILE ORGANIC COMPOUNDS  
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Def. attainment/non atnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT  
Repeat violator date: Not reported  
Turnover compliance: Not reported

Air program code: SIP SOURCE  
Plant air program pollutant: Not reported  
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Def. attainment/non atnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT  
Repeat violator date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**REIF OIL CO (Continued)**

**1014701334**

Turnover compliance: Not reported

Air program code: SIP SOURCE  
Plant air program pollutant: PARTICULATE MATTER  
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Def. attainment/non atnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT  
Repeat violator date: Not reported  
Turnover compliance: Not reported

Air program code: SIP SOURCE  
Plant air program pollutant: TOTAL PARTICULATE MATTER  
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Def. attainment/non atnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT  
Repeat violator date: Not reported  
Turnover compliance: Not reported

Air program code: SIP SOURCE  
Plant air program pollutant: Not reported  
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Def. attainment/non atnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT  
Repeat violator date: Not reported  
Turnover compliance: Not reported

Air program code: MACT (SECTION 63 NESHAPS)  
Plant air program pollutant: Not reported  
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Def. attainment/non atnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT  
Repeat violator date: Not reported  
Turnover compliance: Not reported

**M115**  
**NE**  
**> 1**  
**3.982 mi.**  
**21026 ft.**

**REIF OIL COMPANY**  
**4411 W MT PLEASANT ST**  
**WEST BURLINGTON, IA 52655**  
**Site 6 of 14 in cluster M**

**IA AIRS S110509843**  
**N/A**

**Relative:**  
**Higher**

AIRS:  
Facility Number: 29-02-014  
Status: Minor  
Closed?: No  
Region: East  
Contact Name: Mr. James Reif  
Contact Phone: (319) 209-0425  
Facility Contact Phone: Not reported  
Mailing Address: 801 N 3RD ST  
Mailing Address 2: Not reported  
Mailing City,St,Zip: BURLINGTON, IA 52601-  
SIC Primary: Not reported  
NAICS Primary: Not reported

**Actual:**  
**706 ft.**

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**M116** **EDR US Hist Auto Stat** **1015492474**  
**NE** **4305 W MOUNT PLEASANT ST** **N/A**  
**> 1** **WEST BURLINGTON, IA 52655**  
**4.004 mi.**  
**21140 ft.** **Site 7 of 14 in cluster M**

**Relative:** EDR Historical Auto Stations:  
**Higher** Name: 34 FAST BRAKE  
Year: 2008  
**Actual:** Address: 4305 W MOUNT PLEASANT ST  
**706 ft.**

Name: 34 FAST BRAKE  
Year: 2009  
Address: 4305 W MOUNT PLEASANT ST

Name: 34 FAST BRAKE  
Year: 2010  
Address: 4305 W MOUNT PLEASANT ST

**M117** **IA RGA LUST** **S116256956**  
**NE** **34 TRUCK STOP** **N/A**  
**> 1** **4305 W MOUNT PLEASANT ST**  
**4.004 mi.** **WEST BURLINGTON, IA**  
**21140 ft.** **Site 8 of 14 in cluster M**

**Relative:** RGA LUST:  
**Higher** 2012 34 TRUCK STOP 4305 W MOUNT PLEASANT ST

**Actual:**  
**706 ft.**

**M118** **IA RGA LUST** **S116256957**  
**NE** **34 TRUCK STOP** **N/A**  
**> 1** **4305 W MT PLEASANT ST**  
**4.004 mi.** **WEST BURLINGTON, IA**  
**21140 ft.** **Site 9 of 14 in cluster M**

**Relative:** RGA LUST:  
**Higher** 2011 34 TRUCK STOP 4305 W MT PLEASANT ST  
2009 34 TRUCK STOP 4305 W MT PLEASANT ST

**Actual:** 2007 34 TRUCK STOP 4305 W MT PLEASANT ST  
**706 ft.** 2006 34 TRUCK STOP 4305 W MT PLEASANT ST  
2005 34 TRUCK STOP 4305 W MT PLEASANT ST

**M119** **FINDS** **1011292223**  
**NE** **34 TRUCK STOP** **N/A**  
**> 1** **4305 W MOUNT PLEASANT ST**  
**4.004 mi.** **WEST BURLINGTON, IA 52655**  
**21140 ft.** **Site 10 of 14 in cluster M**

**Relative:** FINDS:  
**Higher** Registry ID: 110036297986

**Actual:** Environmental Interest/Information System  
**706 ft.** IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**M120**     **34 TRUCK STOP**  
**NE**        **4305 W MOUNT PLEASANT ST**  
**> 1**        **WEST BURLINGTON, IA 52655**  
**4.004 mi.**  
**21140 ft.**     **Site 11 of 14 in cluster M**

**IA LUST**     **U003635911**  
**IA UST**       **N/A**  
**IA Financial Assurance**

**Relative:**  
**Higher**

LUST:

Facility ID:	4177
Spill Number:	Not reported
Occur Date:	Not reported
Discover Date:	Not reported
Discover Time:	Not reported
Record Date:	05/04/1990
Leak Number:	7LTM04
Loc ID:	66615
Ust ID:	9133
Latitude:	40.82618
Longitude:	-91.20784
Start Date:	05/09/1990
Spill Date:	Not reported
Date Occurred Time:	Not reported
Lead ID:	5
Coordinator ID:	11
Staff ID:	27
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

**Actual:**  
**706 ft.**

Lust Status:

ID:	4179
Site Leak Number:	7LTM04
Discovered During:	Other
Tanks Removed:	0
Leak Cause:	Not reported
Gas:	Not reported
Diesel:	Not reported
Oil:	Not reported
Kerosene:	Not reported
Released Fuel Oil:	Not reported
Released Hydraulic Oil:	Not reported
Released Other Petroleum:	Not reported
Released Unknown:	Yes
Released Non_Petroleum Chemical:	Not reported
Gallons Released:	000000000000
Leak Status:	Unknown
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

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**34 TRUCK STOP (Continued)**

**U003635911**

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 HICA:

Leak Number:	7LTM04
Registration Number:	198608976
Date CorrectiveActionDesign Report(CADR) Rec:	Not reported
Date CADR Due:	Not reported
Date CADR Approved:	Not reported
Date CADR Rejected:	Not reported
Date CADR Remediation Started:	Not reported
Date CADR Remediation Completed:	Not reported
Staff CADR Reviewed By:	Not reported

Lust Misc:

Misc Due Date:	Not reported	Misc Rec Date:	08/31/1999
Misc Other:	Not reported	Misc Title:	MTBE WORKSHEET & DISK
Misc Due Date:	Not reported	Misc Rec Date:	12/05/2001
Misc Other:	Not reported	Misc Title:	MTBE WORKSHEET & DISK
Misc Due Date:	Not reported	Misc Rec Date:	12/10/2001
Misc Other:	Not reported	Misc Title:	MTBE WORKSHEET & DISK
Misc Due Date:	Not reported	Misc Rec Date:	10/08/2002
Misc Other:	Not reported	Misc Title:	MTBE WORKSHEET & DISK

Lust Remediation:

Heat Treatment:	False
Land Application:	False
On Site:	False
Achieved Over-Excavation:	False
Soil Venting Passive:	False

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**34 TRUCK STOP (Continued)**

**U003635911**

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 Free Product Recovery:	
FPR Report Assesment Due:	Not reported
FPR Report Received:	10/25/2001
FPR Report Accepted:	Not reported
FPR Report Rejected:	Not reported
FPR Report Revised:	Not reported
FPR Report Assesment Due:	Not reported
FPR Report Received:	11/15/2001
FPR Report Accepted:	Not reported
FPR Report Rejected:	Not reported
FPR Report Revised:	Not reported
FPR Report Assesment Due:	Not reported
FPR Report Received:	11/26/2001
FPR Report Accepted:	Not reported
FPR Report Rejected:	Not reported
FPR Report Revised:	Not reported
FPR Report Assesment Due:	Not reported
FPR Report Received:	12/07/2001
FPR Report Accepted:	Not reported
FPR Report Rejected:	Not reported
FPR Report Revised:	Not reported
FPR Report Assesment Due:	Not reported
FPR Report Received:	12/24/2001
FPR Report Accepted:	Not reported
FPR Report Rejected:	Not reported
FPR Report Revised:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**34 TRUCK STOP (Continued)**

**U003635911**

FPR Report Assesment Due: Not reported  
FPR Report Received: 02/13/2002  
FPR Report Accepted: Not reported  
FPR Report Rejected: Not reported  
FPR Report Revised: Not reported

FPR Report Assesment Due: Not reported  
FPR Report Received: 03/18/2002  
FPR Report Accepted: Not reported  
FPR Report Rejected: Not reported  
FPR Report Revised: Not reported

FPR Report Assesment Due: Not reported  
FPR Report Received: 04/02/2002  
FPR Report Accepted: Not reported  
FPR Report Rejected: Not reported  
FPR Report Revised: Not reported

FPR Report Assesment Due: Not reported  
FPR Report Received: 04/17/2002  
FPR Report Accepted: Not reported  
FPR Report Rejected: Not reported  
FPR Report Revised: Not reported

FPR Report Assesment Due: Not reported  
FPR Report Received: 05/07/2002  
FPR Report Accepted: Not reported  
FPR Report Rejected: Not reported  
FPR Report Revised: Not reported

FPR Report Assesment Due: Not reported  
FPR Report Received: 09/04/2001  
FPR Report Accepted: Not reported  
FPR Report Rejected: Not reported  
FPR Report Revised: Not reported

FPR Report Assesment Due: Not reported  
FPR Report Received: 08/08/2001  
FPR Report Accepted: Not reported  
FPR Report Rejected: Not reported  
FPR Report Revised: Not reported

FPR Report Assesment Due: Not reported  
FPR Report Received: 08/10/2001  
FPR Report Accepted: Not reported  
FPR Report Rejected: Not reported  
FPR Report Revised: Not reported

FPR Report Assesment Due: Not reported  
FPR Report Received: 09/19/2001  
FPR Report Accepted: Not reported  
FPR Report Rejected: Not reported  
FPR Report Revised: Not reported

FPR Report Assesment Due: Not reported  
FPR Report Received: 07/10/2002  
FPR Report Accepted: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**34 TRUCK STOP (Continued)**

**U003635911**

FPR Report Rejected:	Not reported
FPR Report Revised:	Not reported
Lust Tier 2 Report:	
T2 Assesment Due:	04/22/2000
T2 Received:	04/18/2000
T2 Accepted:	05/31/2000
T2 Rejected:	Not reported
T2 Reviewed:	VKS
T2 Assesment Due:	Not reported
T2 Received:	06/14/2004
T2 Accepted:	09/08/2004
T2 Rejected:	Not reported
T2 Reviewed:	KDW
Lust Administration:	
ID:	4179
Owner Identified:	Yes
Responsible Party Found:	Yes
RP Date:	05/09/1990
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:	4179
Site Assesment Start Date:	05/16/1990
Free Product Recvry End Date:	07/25/2002
FP Letter Sent Date:	02/20/2001
FP Report Frequency:	MONTHLY
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:	1995-10-11
Cleanup Complete Date:	2004-09-08
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

34 TRUCK STOP (Continued)

U003635911

Check Report Rejected Date:	Not reported
Check Report Approved Date:	Not reported
Date Classified:	2004-09-08
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:	2004-12-09
<b>No Action Required:</b>	<b>False</b>
Priority Ranking:	5
Delete:	False
Track Memo:	03/28/91: OVERDUE OE RPT LETTER SNT. REC'D 4/1/91. RPT DUE 4/11/91.04/26/91: REC'D COPY OF TERRACON 'SCOPE OF SERVICES'. INTENDED TO BE NOTIF TO US THAT LUST GUID DOC WILL BE SUBSTITUTED FOR SA PLAN. SAAR DUE 8/26/91. IN CRP.10/31/94: REC'D SCR.10/11/95: SCR REV LTR SNT. REC'D 10/13. ACC HI. OPT TO SUBMIT CADR OR WAIT.07/18/96: REC'D INTERIM SMR, SO GUESS WILL WAIT FOR RBCA.02/17/97: REC'D INT SMR.08/12/97: REC'D SMR.09/01/98: T1 LTR SNT. REC'D 9/4. CNSLT = 10/4. T1 = 12/4/98.12/14/98: REC'D SMR.03/05/99: T1 te ltr snt. T1= 6/1/99.08/31/99: REC'D SMR & MTBE WORKSHEET & DISK.04/10/00: OD letter sent with due date for T2 of 4/22/00.04/18/00: REC'D TIER 2 REPORT & DISK.05/31/00: T2 rev ltr snt ok Hi. Rec'd 6/5. CADR = 10/2/00.12/05/00: First OD letter sent with due date for CADR of 12/16/00.01/11/01: Fax from GSI. Reclassify w/SMR. SMR=03/02/01. JH02/13/01: Groupwise mail note - found FP in MW-25 (0.1 foot of "red" stuff).02/20/01: FP assess ltr snt. Rec'd 2/23. Assess rpt = 4/9/2001. Also stated T2 may need redoing.03/30/01: REC'D REQUEST FOR A FREE PRODUCT ASSESSMENT REPORT VARIANCE.05/09/01: Per JH, ltr snt saying ok to not do FP asses.12/05/01: REC'D SMR. (DISK ERROR--CAN'T COPY SMR OR MTBE). K. MALINOWSKI WILL E-MAIL ME. bsg12/10/01: REC'D SMR & MTBE, per e-mail. (Request for re-classif NOT made.)05/30/02: SENT OD CADR LETTER.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

34 TRUCK STOP (Continued)

U003635911

CADR = 6/14/02. (GREEN CARD DATED 6/4/02)06/14/02: CADR schedule extension request from CGWP. CADR = 09/11/02. JH07/09/02: REC'D REQUEST FOR CESSATION OF FREE PRODUCT ACTIVITIES.07/25/02: Sent letter granting termination of FP. Owner/Operator inspections end June 2003. kw10/08/02: REC'D SMR. SMR TIER 2 DISK. MTBE WORKSHEET & DISK.11/26/02: Sent 01 and 02 SMR review letter. Numerous deficiencies w/ CADR. Assigned CADR due 02/15/03. kw04/03/03: Sent OD CADR LETTER. (Green Card dated 04/07/03) CADR due 04/17/03. kw06/30/03: SENT FINAL OD CADR LETTER. CADR = 7/17/03. Green card dated 7/7/03.12/12/03: Letter received from GSI with CGWP named for this site - 1988 - Juwarker03/09/04: Rec'd call from CGWP. Replacing PWLs and abandoning DWWs tomorrow. Will submit Reclass SMR by 04/30. kw03/12/04: Rec'd call from CGWP. On site attempting to abandon DWW. Pump stuck, cannot be pulled out. Asked if I would consider just capping the well good enough. I said NO. Well is 200' deep. Pump stuck at 25-35'. Can't push pump down either. Gave him option of excavating down to pump, cutting off, & plugging from there down. Will request change order from GAB. kw03/23/04: Rec'd call from CGWP. DWW not connected to anything. Buried in a submerged basement. Required certification letters from both Well owner and CGWP verifying well will not be used for drinking water before I will reclassify it a NDWW. kw04/13/04: Rec'd call from CGWP. Abandoned well, replaced PWLs. Will submit Rev Tier 2 in 2 weeks. kw05/14/04: E-mail from CGWP. Reclass Tier 2 submitted by 5/21/04. kw06/04/04: Phone call from CGWP. Reclass Tier 2 submitted by 6/11/04. kw06/14/04: REC'D REVISED TIER 2 REPORT. NAR. TIER 2 SOFTWARE DISK. bsg06/16/04: Gave file to PEI for review. --kw07/08/04: REC'E FROM GSI LETTER ADDRESSING DEFICIENCIES TO SMR (2001, 2002). Bsg07/13/04: Gave GSI letter to PEI so they can complete review of Revised Tier 2. --kw09/08/04: Sent NAR letter. Abandoned DWW & replaced PWLs. --kw11/05/04: REC'D ABANDONED WATER WELL PLUGGING RECORDS, LEGAL DESCRIPTION, WATER SUPPLY, SANITARY SEWER & UTILITY COMPANY NOTIFICATIONS & MAPS. Bsg12/01/04: Gave NFA Certificate to Sherry for processing. --kw

UST:

Facility Id: 9133  
Loc Id: 9133  
Registration: 198608976  
Owner Type: 6  
Financial Code: 15  
Insurer's Name: PMMIC  
Policy Number: 8608976  
Policy Start Date: 08/14/2014  
Policy End Date: 08/13/2015  
Registration Sign Date: 06/29/1990  
Created By: migration  
Created Date: 01/08/2007  
Changed By: colleen.zeliadt@dnr.iowa.gov  
Last Changed: 06/12/2012  
Latitude: 40.82618

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**34 TRUCK STOP (Continued)**

**U003635911**

Longitude: -91.20784

Tank Info:

Tank Num: 27252  
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: 27253  
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: 27254  
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: 27255  
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: 27256  
In Use: True  
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: 27257  
In Use: True  
Tank Type: 1  
Tank Brand Id: Not reported  
Inert Material Id: Not reported  
Filled In Place: Not reported  
Material Construction: Double Wall Composite  
Emergency Power Gen: Not reported

Tank Num: 27258



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**34 TRUCK STOP (Continued)**

**U003635911**

In Use:	True
Tank Type:	1
Tank Brand Id:	Not reported
Inert Material Id:	Not reported
Filled In Place:	Not reported
Material Construction:	Double Wall Composite
Emergency Power Gen:	Not reported
Tank Num:	27259
In Use:	True
Tank Type:	1
Tank Brand Id:	Not reported
Inert Material Id:	Not reported
Filled In Place:	Not reported
Material Construction:	Double Wall Composite
Emergency Power Gen:	Not reported
Tank Num:	27260
In Use:	True
Tank Type:	1
Tank Brand Id:	Not reported
Inert Material Id:	Not reported
Filled In Place:	Not reported
Material Construction:	Double Wall Composite
Emergency Power Gen:	Not reported
Tank Num:	27261
In Use:	True
Tank Type:	1
Tank Brand Id:	Not reported
Inert Material Id:	Not reported
Filled In Place:	Not reported
Material Construction:	Double Wall Composite
Emergency Power Gen:	Not reported
Tank Num:	27262
In Use:	True
Tank Type:	1
Tank Brand Id:	Not reported
Inert Material Id:	Not reported
Filled In Place:	Not reported
Material Construction:	Steel Int. Lined with Fiberglass
Emergency Power Gen:	Not reported

IA Financial Assurance 1:

Facility ID:	198608976
Insurers Name:	PMMIC
Policy End Date:	08/13/2015
Site Status:	Not reported
Financial Code:	15
Policy Number:	8608976
Policy Start Date:	08/14/2014

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**M121**      **3 AMIGOS**  
**NE**        **4302 W MOUNT PLEASANT ST**  
**> 1**        **WEST BURLINGTON, IA 52655**  
**4.013 mi.**  
**21189 ft.**    **Site 12 of 14 in cluster M**

**FINDS**    **1011274367**  
              **N/A**

**Relative:**  
**Higher**

FINDS:

Registry ID:                    110036289520

**Actual:**  
**706 ft.**

Environmental Interest/Information System  
IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor  
Documentation) provides information about existing emission factors

**M122**      **4000 W MOUNT PLEASANT ST**  
**NE**        **WEST BURLINGTON, IA 52655**  
**> 1**  
**4.083 mi.**  
**21558 ft.**    **Site 13 of 14 in cluster M**

**EDR US Hist Auto Stat**    **1015469611**  
                                      **N/A**

**Relative:**  
**Higher**

EDR Historical Auto Stations:

Name:                    COLLISION CTR  
Year:                     2001  
Address:                 4000 W MOUNT PLEASANT ST

**Actual:**  
**705 ft.**

Name:                    COLLISION CTR  
Year:                     2002  
Address:                 4000 W MOUNT PLEASANT ST

Name:                    COLLISION CTR  
Year:                     2003  
Address:                 4000 W MOUNT PLEASANT ST

Name:                    COLLISION CTR  
Year:                     2004  
Address:                 4000 W MOUNT PLEASANT ST

Name:                    COLLISION CENTER CORP  
Year:                     2005  
Address:                 4000 W MOUNT PLEASANT ST

Name:                    COLLISION CENTER CORP  
Year:                     2006  
Address:                 4000 W MOUNT PLEASANT ST

Name:                    COLLISION CENTER CORP  
Year:                     2007  
Address:                 4000 W MOUNT PLEASANT ST

Name:                    COLLISION CENTER CORP  
Year:                     2008  
Address:                 4000 W MOUNT PLEASANT ST

Name:                    COLLISION CENTER CORP  
Year:                     2009  
Address:                 4000 W MOUNT PLEASANT ST

Name:                    COLLISION CENTER  
Year:                     2010

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015469611

Address: 4000 W MOUNT PLEASANT ST  
Name: COLLISION CENTER  
Year: 2011  
Address: 4000 W MOUNT PLEASANT ST  
Name: COLLISION CENTER  
Year: 2012  
Address: 4000 W MOUNT PLEASANT ST

M123  
NE  
> 1  
4.083 mi.  
21558 ft.

**COLLISION CENTER CORP**  
**4000 W MT PLEASANT ST**  
**WEST BURLINGTON, IA 52655**  
**Site 14 of 14 in cluster M**

**RCRA-CESQG 1004689909**  
**FINDS IAD102327129**

Relative:  
Higher

RCRA-CESQG:

Actual:  
705 ft.

Date form received by agency: 05/11/1994  
Facility name: COLLISION CENTER CORP  
Facility address: 4000 W MT PLEASANT ST  
WEST BURLINGTON, IA 52655  
EPA ID: IAD102327129  
Mailing address: W MT PLEASANT ST  
WEST BURLINGTON, IA 52655  
Contact: RONALD POWELL  
Contact address: 4000 W MT PLEASANT ST  
WEST BURLINGTON, IA 52655  
Contact country: US  
Contact telephone: (319) 754-4002  
Contact email: Not reported  
EPA Region: 07  
Land type: Private  
Classification: Conditionally Exempt Small Quantity Generator  
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: RONALD POWELL  
Owner/operator address: 11356 OAKPOINT  
WEST BURLINGTON, IA 52655  
Owner/operator country: Not reported  
Owner/operator telephone: (319) 754-8723  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLLISION CENTER CORP (Continued)**

**1004689909**

Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. 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.

Historical Generators:

Date form received by agency: 05/11/1994  
Site name: COLLISION CENTER CORP  
Classification: Conditionally Exempt Small Quantity Generator

. 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**COLLISION CENTER CORP (Continued)**

**1004689909**

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.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 05/11/1994  
Evaluation: FOCUSED COMPLIANCE INSPECTION  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA Contractor/Grantee

FINDS:

Registry ID: 110005750133

Environmental Interest/Information System

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

**N124 IDEAL READY MIX CO INC - WEST BURLINGTON**  
**NE 3902 WEST MOUNT PLEASANT STREET**  
**> 1 WEST BURLINGTON, IA 52655**

**FINDS 1016072971**  
**N/A**

**4.106 mi.**  
**21680 ft.**

**Site 1 of 3 in cluster N**

**Relative:**  
**Higher**

FINDS:

Registry ID: 110010328387

**Actual:**  
**704 ft.**

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants.

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**IDEAL READY MIX CO INC - WEST BURLINGTON (Continued)**

**1016072971**

AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

AIR MINOR

**N125**  
**NE**  
 > 1  
 4.106 mi.  
 21680 ft.  
  
**Relative:**  
**Higher**  
  
**Actual:**  
**704 ft.**

**IDEAL READY MIX CO INC - WEST BURLINGTON**  
**3902 W MOUNT PLEASANT ST**  
**WEST BURLINGTON, IA 52655**  
  
**Site 2 of 3 in cluster N**

**US AIRS 1016936358**  
**N/A**

AIRS (AFS):

**126**  
**NE**  
 > 1  
 4.117 mi.  
 21737 ft.  
  
**Relative:**  
**Higher**  
  
**Actual:**  
**700 ft.**

**J & J STEEL-IDEAL READY MIX CO INC**  
**301 S BEAVERDALE RD**  
**WEST BURLINGTON, IA 52665**

**FTTS 1007282314**  
**HIST FTTS N/A**

**FTTS INSP:**  
 Inspection Number: 19981103F2964 1  
 Region: 07  
 Inspection Date: 11/03/98  
 Inspector: SLADE  
 Violation occurred: No  
 Investigation Type: General Product Review  
 Investigation Reason: Neutral Scheme, Region  
 Legislation Code: FIFRA  
 Facility Function: Producer

**HIST FTTS INSP:**  
 Inspection Number: 19981103F2964 1  
 Region: 07  
 Inspection Date: Not reported  
 Inspector: SLADE  
 Violation occurred: No  
 Investigation Type: General Product Review  
 Investigation Reason: Neutral Scheme, Region  
 Legislation Code: FIFRA  
 Facility Function: Producer

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

127  
SSE  
> 1  
4.211 mi.  
22234 ft.

**CRUTCHER, RAY AND KIMBERLY**  
**1593 353RD AVENUE**  
**WEVER, IA 52658**

**ICIS 1016385469**  
**FINDS N/A**

**Relative:**  
**Lower**

ICIS:

Enforcement Action ID: 07-2013-0221  
FRS ID: 110055183652  
Program ID: FRS 110055183652  
Action Name: RAY AND KIMBERLY CRUTCHER  
Full Address: 1593 353RD AVENUE WEVER IA 52658  
State: Iowa  
Facility Name: CRUTCHER, RAY AND KIMBERLY  
Facility Address: 1593 353RD AVENUE  
WEVER, IA 52658  
Enforcement Action Type: TSCA 16 Action For Penalty  
Facility County: LEE  
EPA Region #: 7

**Actual:**  
**653 ft.**

Program ID: FRS 110055183652  
Facility Name: CRUTCHER, RAY AND KIMBERLY  
Address: 1593 353RD AVENUE  
Tribal Indicator: N  
Fed Facility: Not reported  
NAIC Code: Not reported  
SIC Code: Not reported

**FINDS:**

Registry ID: 110055183652

Environmental Interest/Information System

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**N128**  
**NE**  
**> 1**  
**4.227 mi.**  
**22316 ft.**

**3400 W MOUNT PLEASANT ST**  
**WEST BURLINGTON, IA 52655**

**EDR US Hist Auto Stat**    **1015436532**  
**N/A**

**Site 3 of 3 in cluster N**

**Relative:**  
**Higher**

EDR Historical Auto Stations:

Name: HOLTkamPS TRAILER REPAIR  
Year: 2003  
Address: 3400 W MOUNT PLEASANT ST

Name: HOLTkamPS TRAILER REPAIR  
Year: 2005  
Address: 3400 W MOUNT PLEASANT ST

Name: HOLTkamPS TRAILER REPAIR  
Year: 2006  
Address: 3400 W MOUNT PLEASANT ST

Name: HOLTkamPS TRAILER REPAIR  
Year: 2007  
Address: 3400 W MOUNT PLEASANT ST

Name: HOLTkamPS TRAILER REPAIR  
Year: 2008  
Address: 3400 W MOUNT PLEASANT ST

**Actual:**  
**698 ft.**

**O129**  
**NE**  
**> 1**  
**4.292 mi.**  
**22660 ft.**

**IOWA DEPT OF TRANSPORTATION**  
**617 BEAVERDALE RD**  
**WEST BURLINGTON, IA 52655**

**RCRA-SQG**    **1000142341**  
**FINDS**    **IAD981500465**

**Site 1 of 3 in cluster O**

**Relative:**  
**Higher**

RCRA-SQG:

Date form received by agency: 02/26/1996  
Facility name: IOWA DEPT OF TRANSPORTATION  
Facility address: 617 BEAVERDALE RD  
WEST BURLINGTON, IA 52655

EPA ID: IAD981500465  
Mailing address: LINCOLN WAY  
AMES, IA 50010

Contact: MARY KAY ROGGE  
Contact address: 800 LINCOLN WAY  
AMES, IA 50010

Contact country: US  
Contact telephone: (515) 239-1741

Contact email: Not reported  
EPA Region: 07

Land type: State

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

**Actual:**  
**702 ft.**

Owner/Operator Summary:

Owner/operator name: IOWA DEPARTMENT OF TRANSPORTATION  
Owner/operator address: 800 LINCOLN WAY



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA DEPT OF TRANSPORTATION (Continued)**

**1000142341**

Owner/operator country: AMES, IA 50010  
Owner/operator telephone: Not reported  
Legal status: (515) 239-1741  
Owner/Operator Type: State  
Owner/Op start date: Owner  
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: Yes  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: D001  
. Waste name: IGNITABLE WASTE  
  
. Waste code: D009  
. Waste name: MERCURY

Historical Generators:

Date form received by agency: 05/12/1994  
Site name: IOWA DEPT OF TRANSPORTATION  
Classification: Small Quantity Generator  
  
. Waste code: D000  
. Waste name: Not Defined  
  
. Waste code: UOIL  
. Waste name: UOIL

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 05/12/1994  
Evaluation: FOCUSED COMPLIANCE INSPECTION  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA Contractor/Grantee

FINDS:

Registry ID: 110005754139

Environmental Interest/Information System

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IOWA DEPT OF TRANSPORTATION (Continued)**

**1000142341**

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

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

**P130**  
**NE**  
**> 1**  
**4.296 mi.**  
**22682 ft.**

**128 N SUNSET DR**  
**WEST BURLINGTON, IA 52655**

**EDR US Hist Auto Stat 1015197644**  
**N/A**

**Site 1 of 2 in cluster P**

**Relative:**  
**Higher**

EDR Historical Auto Stations:

**Actual:**  
**689 ft.**

- Name: SUNSET TRANSMISSION INC
- Year: 2001
- Address: 128 N SUNSET DR
  
- Name: SUNSET TRANSMISSION INC
- Year: 2009
- Address: 128 N SUNSET DR
  
- Name: SUNSET TRANSMISSION INC
- Year: 2010
- Address: 128 N SUNSET DR
  
- Name: SUNSET TRANSMISSION INC
- Year: 2011
- Address: 128 N SUNSET DR
  
- Name: SUNSET TRANSMISSION INC
- Year: 2012
- Address: 128 N SUNSET DR

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**O131** IDOT MAINT GARAGE  
**NE** 645 N BEAVERDALE RD  
 > 1 WEST BURLINGTON, IA 52655  
 4.310 mi.  
 22755 ft. Site 2 of 3 in cluster O

**FINDS** 1011288190  
 N/A

**Relative:**  
**Higher**

FINDS:

Registry ID: 110036207743

**Actual:**  
**703 ft.**

Environmental Interest/Information System  
 IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor  
 Documentation) provides information about existing emission factors

**O132** IDOT MAINT GARAGE  
**NE** 645 N BEAVERDALE RD  
 > 1 WEST BURLINGTON, IA 52655  
 4.310 mi.  
 22755 ft. Site 3 of 3 in cluster O

**IA LUST** U004134305  
**IA UST** N/A

**Relative:**  
**Higher**

LUST:

Facility ID: 4286  
 Spill Number: Not reported  
 Occur Date: Not reported  
 Discover Date: 04/05/1989  
 Discover Time: 3:30 PM  
 Record Date: 04/05/1989  
 Leak Number: 7LTD05  
 Loc ID: 66729  
 Ust ID: 9388  
 Latitude: 40.83376  
 Longitude: -91.20950  
 Start Date: 04/06/1989  
 Spill Date: Not reported  
 Date Occurred Time: UNK  
 Lead ID: 4  
 Coordinator ID: 11  
 Staff ID: 11  
 Discover Method ID: 2  
 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: 4288  
 Site Leak Number: 7LTD05  
 Discovered During: Monitoring  
 Tanks Removed: 0  
 Leak Cause: UNK  
 Gas: Not reported  
 Diesel: Yes  
 Oil: Not reported  
 Kerosene: Not reported  
 Released Fuel Oil: Not reported  
 Released Hydraulic Oil: Not reported  
 Released Other Petroleum: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IDOT MAINT GARAGE (Continued)**

**U004134305**

Released Unknown:	Not reported
Released Non_Petroleum Chemical:	Not reported
Gallons Released:	000000000000
Leak Status:	Unknown
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:	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:	Not reported
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IDOT MAINT GARAGE (Continued)**

**U004134305**

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 1 Report:	
T1 Assesment Due:	Not reported
T1 Received:	05/26/1999
Tier 1 Consultant Recommends:	Not reported
T1 Accepted:	06/21/1999
T1 Rejected:	Not reported
T1 Revised:	Not reported
T1 Reviewed:	Not reported
Lust Administration:	
ID:	4288
Owner Identified:	No
Responsible Party Found:	No
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:	Not reported
CR End Date:	Not reported
Memo:	Not reported
Lust Track:	
ID:	4288

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IDOT MAINT GARAGE (Continued)**

**U004134305**

Site Assessment Start Date:	04/14/1989
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:	1994-12-06
Cleanup Complete Date:	1999-06-21
Cleanup Report Due Date:	1993-10-08
Cleanup Report Received Date:	1994-05-13
Cleanup Report Approved Date:	1994-12-06
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:	1999-06-21
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:	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:	1999-09-08
<b>No Action Required:</b>	<b>False</b>
Priority Ranking:	5
Delete:	False
Track Memo:	CHANGE IN SITE ASSESSMENT PLAN DUE DATE - ORIGINAL DUE DATE WAS 05/14/89. SECOND DUE DATE IS 06/24/89 OR LEGAL REFERRAL.08/04/92: FILE REV/SCR LTR SNT. REC'D 8/4/92. SCR DUE 12/5/92.04/06/93: REC'D SCR.06/24/93: REJECTED SCR, DETAILED LTR SENT. MUST NOTIFY DNR IF PARTICIPATING IN CRP BY 7/9/93.07/08/93: NOT ELIGIBLE FOR CRP, SENT LTR W/ SCHEDULE, SCR DUE 10/8/93.12/06/94: SCR OK,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IDOT MAINT GARAGE (Continued)**

**U004134305**

HI-5.MONITOR.07/11/97: REC'D SMR.07/15/98: REC'D  
SMR.04/02/99: Rec'd ltr from rp. will do t2. t2 =  
7/2/99.05/26/99: REC'D TIER 1 REPORT & DISK.06/21/99: Sent  
T1 NFA ltr green card returned no date.

UST:

Facility Id: 9388  
Loc Id: 9388  
Registration: 198609272  
Owner Type: 7  
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: 04/14/1986  
Created By: migration  
Created Date: 01/08/2007  
Changed By: migration  
Last Changed: 01/08/2007  
Latitude: 40.83376  
Longitude: -91.20950

Tank Info:

Tank Num: 28125  
In Use: False  
Tank Type: 4  
Tank Brand Id: Not reported  
Inert Material Id: Not reported  
Filled In Place: True  
Material Construction: Double Wall Steel  
Emergency Power Gen: Not reported

Tank Num: 28126  
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: 28127  
In Use: False  
Tank Type: 4  
Tank Brand Id: Not reported  
Inert Material Id: Not reported  
Filled In Place: True  
Material Construction: Double Wall Steel  
Emergency Power Gen: Not reported

MAP FINDINGS

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

<b>133</b> <b>NNW</b> <b>&gt; 1</b> <b>4.346 mi.</b> <b>22945 ft.</b>	<b>MDM ENTERPRISES</b> <b>18929 110TH ST</b> <b>DANVILLE, IA 52623</b>	<b>FINDS</b>	<b>1016785762</b> <b>N/A</b>
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**Relative:** FINDS:  
**Higher**

Registry ID: 110058273274

**Actual:**  
**726 ft.**

Environmental Interest/Information System  
 IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor  
 Documentation) provides information about existing emission factors

<b>Q134</b> <b>NNE</b> <b>&gt; 1</b> <b>4.360 mi.</b> <b>23020 ft.</b>	<b>RIVER MART</b> <b>14562 WASHINGTON RD</b> <b>WEST BURLINGTON, IA 52655</b>	<b>IA UST</b> <b>IA Financial Assurance</b>	<b>U001721679</b> <b>N/A</b>
--	---	--	---------------------------------

**Relative:** UST:  
**Higher**

Facility Id: 899  
 Loc Id: 899

**Actual:**  
**707 ft.**

Registration: 198600298  
 Owner Type: 6  
 Financial Code: 15  
 Insurer's Name: PMMIC  
 Policy Number: 8600298  
 Policy Start Date: 02/27/2015  
 Policy End Date: 02/26/2016  
 Registration Sign Date: 12/12/1985  
 Created By: migration  
 Created Date: 01/08/2007  
 Changed By: Kock-Niedermayer.Lisa  
 Last Changed: 06/23/2014  
 Latitude: 40.82117  
 Longitude: -91.17019

Tank Info:

Tank Num: 804  
 In Use: True  
 Tank Type: 1  
 Tank Brand Id: Not reported  
 Inert Material Id: Not reported  
 Filled In Place: False  
 Material Construction: Steel with Polyethylene  
 Emergency Power Gen: False

Tank Num: 805  
 In Use: True  
 Tank Type: 1  
 Tank Brand Id: Not reported  
 Inert Material Id: Not reported  
 Filled In Place: False  
 Material Construction: Steel with Polyethylene  
 Emergency Power Gen: False



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

RIVER MART (Continued)

U001721679

IA Financial Assurance 1:  
Facility ID: 198600298  
Insurers Name: PMMIC  
Policy End Date: 02/26/2016  
Site Status: Not reported  
Financial Code: 15  
Policy Number: 8600298  
Policy Start Date: 02/27/2015

Q135 RIVER MART  
NNE 14562 WASHINGTON RD  
> 1 WEST BURLINGTON, IA 52655

FINDS 1016080585  
N/A

4.360 mi.  
23020 ft.

Site 2 of 47 in cluster Q

Relative:  
Higher

FINDS:

Registry ID: 110036191108

Actual:  
707 ft.

Environmental Interest/Information System

IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

Q136 RIVER MART  
NNE 14432 WASHINGTON ROAD  
> 1 BURLINGTON, IA

HMIRS 2001031030  
N/A

4.365 mi.  
23049 ft.

Site 3 of 47 in cluster Q

Relative:  
Higher

[Click this hyperlink](#) while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

Actual:  
710 ft.

Q137  
NNE 14432 WASHINGTON RD  
> 1 WEST BURLINGTON, IA

HMIRS 2001030371  
N/A

4.369 mi.  
23068 ft.

Site 4 of 47 in cluster Q

Relative:  
Higher

[Click this hyperlink](#) while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

Actual:  
711 ft.

Q138  
NNE 14432 WASHINGTON ROAD  
> 1 WEST BURLINGTON, IA

HMIRS 2001040962  
N/A

4.369 mi.  
23068 ft.

Site 5 of 47 in cluster Q

Relative:  
Higher

[Click this hyperlink](#) while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

Actual:  
711 ft.

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
<b>Q139</b> NNE > 1 4.369 mi. 23068 ft.	<b>14432 WASHINGTON RD WEST BURLINGTON, IA</b>  Site 6 of 47 in cluster Q	HMIRS	2001030366 N/A
<b>Relative: Higher</b>	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
<b>Actual: 711 ft. Q140</b> NNE > 1 4.369 mi. 23068 ft.	<b>14432 WASHINGTON ROAD WEST BURLINGTON, IA</b>  Site 7 of 47 in cluster Q	HMIRS	2004070256 N/A
<b>Relative: Higher</b>	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
<b>Actual: 711 ft. Q141</b> NNE > 1 4.369 mi. 23068 ft.	<b>14432 WASHINGTON RD WEST BURLINGTON, IA</b>  Site 8 of 47 in cluster Q	HMIRS	2001030369 N/A
<b>Relative: Higher</b>	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
<b>Actual: 711 ft. Q142</b> NNE > 1 4.369 mi. 23068 ft.	<b>FEDEX FREIGHT INC BRL 14432 WASHINGTON RD WEST BURLINGTON, IA 52655</b>  Site 9 of 47 in cluster Q	RCRA-CESQG	1012178342 IAR000512558
<b>Relative: Higher</b>	RCRA-CESQG: Date form received by agency: 10/11/2011 Facility name: FEDEX FREIGHT INC BRL Facility address: 14432 WASHINGTON RD WEST BURLINGTON, IA 52655  EPA ID: IAR000512558 Mailing address: ALCOA RD BENTON, AR 72015  Contact: CHRIS W BAKER Contact address: ALCOA RD BENTON, AR 72015  Contact country: US Contact telephone: 501-860-7904 Telephone ext.: 3003 Contact email: CHRIS.BAKER@FEDEX.COM EPA Region: 07 Land type: Private Classification: Conditionally Exempt Small Quantity Generator Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less		

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FEDEX FREIGHT INC BRL (Continued)**

**1012178342**

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

Owner/Operator Summary:

Owner/operator name: FEDEX FREIGHT INC  
Owner/operator address: FORWARD DR  
HARRISON, AR 72601  
Owner/operator country: US  
Owner/operator telephone: 800-874-4723  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 09/06/2006  
Owner/Op end date: Not reported

Owner/operator name: FEDEX FREIGHT INC  
Owner/operator address: FORWARD DR  
HARRISON, AR 72601  
Owner/operator country: US  
Owner/operator telephone: 800-874-4723  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 09/06/2006  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: D002  
. Waste name: CORROSIVE WASTE

. Waste code: D003  
. Waste name: REACTIVE WASTE

. Waste code: D007

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FEDEX FREIGHT INC BRL (Continued)**

**1012178342**

- . Waste name: CHROMIUM
- . Waste code: D008
- . Waste name: LEAD
- . Waste code: D010
- . Waste name: SELENIUM
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE
- . Waste code: D040
- . Waste name: TRICHLOROETHYLENE
- . Waste code: U080
- . Waste name: METHANE, DICHLORO- (OR) METHYLENE CHLORIDE
- . Waste code: U240
- . Waste name: 2,4-D, SALTS & ESTERS (OR) ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS (OR) DICHLOROPHENOXYACETIC ACID 2,4-D

Historical Generators:

Date form received by agency: 09/15/2009  
Site name: FEDEX FREIGHT INC  
Classification: Conditionally Exempt Small Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D007
- . Waste name: CHROMIUM
- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE

Date form received by agency: 08/17/2009  
Site name: FEDEX FREIGHT INC  
Classification: Small Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
- . Waste code: D002
- . Waste name: CORROSIVE WASTE
- . Waste code: D007
- . Waste name: CHROMIUM

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FEDEX FREIGHT INC BRL (Continued)**

**1012178342**

- . Waste code: D035
- . Waste name: METHYL ETHYL KETONE
  
- . Waste code: D039
- . Waste name: TETRACHLOROETHYLENE

Date form received by agency: 03/11/2009  
Site name: FEDEX FREIGHT INC  
Classification: Conditionally Exempt Small Quantity Generator

- . Waste code: D001
- . Waste name: IGNITABLE WASTE
  
- . Waste code: D002
- . Waste name: CORROSIVE WASTE

Violation Status: No violations found

Evaluation Action Summary:  
Evaluation date: 09/15/2009  
Evaluation: COMPLIANCE ASSISTANCE VISIT  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA Contractor/Grantee

**Q143**  
**NNE**  
**> 1**  
**4.369 mi.**  
**23068 ft.**

**14432 WASHINGTON RD**  
**WEST BURLINGTON, IA**  
**Site 10 of 47 in cluster Q**

**HMIRS 9999010024**  
**N/A**

**Relative:**  
**Higher**

[Click this hyperlink](#) while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

**Actual:**  
**711 ft.**  
**Q144**  
**NNE**  
**> 1**  
**4.369 mi.**  
**23068 ft.**

**14432 WASHINGTON ROAD**  
**WEST BURLINGTON, IA**  
**Site 11 of 47 in cluster Q**

**HMIRS 2002067829**  
**N/A**

**Relative:**  
**Higher**

[Click this hyperlink](#) while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

**Actual:**  
**711 ft.**  
**Q145**  
**NNE**  
**> 1**  
**4.369 mi.**  
**23068 ft.**

**FEDEX FREIGHT INC BRL**  
**14432 WASHINGTON RD**  
**WEST BURLINGTON, IA 52655**  
**Site 12 of 47 in cluster Q**

**FINDS 1012111200**  
**N/A**

**Relative:**  
**Higher**

**FINDS:**

Registry ID: 110038904692

**Actual:**  
**711 ft.**

Environmental Interest/Information System  
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

MAP FINDINGS

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

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**FEDEX FREIGHT INC BRL (Continued)**

**1012111200**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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<p><b>Q146</b>  <b>NNE</b>                  &gt; 1                  4.369 mi.                  23068 ft.</p>	<p><b>14432 WASHINGTON RD</b>  <b>WEST BURLINGTON, IA</b></p> <p>Site 13 of 47 in cluster Q</p>	<p><b>HMIRS</b></p>	<p><b>2000029365</b>                  N/A</p>
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**Relative: Higher** [Click this hyperlink](#) while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

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<p><b>Actual:</b>                  711 ft.  <b>Q147</b>  <b>NNE</b>                  &gt; 1                  4.369 mi.                  23068 ft.</p>	<p><b>14432 WASHINGTON ROAD</b>  <b>WEST BURLINGTON, IA</b></p> <p>Site 14 of 47 in cluster Q</p>	<p><b>HMIRS</b></p>	<p><b>2003133332</b>                  N/A</p>
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**Relative: Higher** [Click this hyperlink](#) while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

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<p><b>Actual:</b>                  711 ft.  <b>Q148</b>  <b>NNE</b>                  &gt; 1                  4.369 mi.                  23068 ft.</p>	<p><b>14432 WASHINGTON RD</b>  <b>WEST BURLINGTON, IA</b></p> <p>Site 15 of 47 in cluster Q</p>	<p><b>HMIRS</b></p>	<p><b>9999080568</b>                  N/A</p>
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**Relative: Higher** [Click this hyperlink](#) while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

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<p><b>Actual:</b>                  711 ft.  <b>Q149</b>  <b>NNE</b>                  &gt; 1                  4.369 mi.                  23068 ft.</p>	<p><b>14432 WASHINGTON RD</b>  <b>WEST BURLINGTON, IA</b></p> <p>Site 16 of 47 in cluster Q</p>	<p><b>HMIRS</b></p>	<p><b>9999082036</b>                  N/A</p>
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**Relative: Higher** [Click this hyperlink](#) while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

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<p><b>Actual:</b>                  711 ft.  <b>Q150</b>  <b>NNE</b>                  &gt; 1                  4.369 mi.                  23068 ft.</p>	<p><b>14432 WASHINGTON ROAD</b>  <b>WEST BURLINGTON, IA</b></p> <p>Site 17 of 47 in cluster Q</p>	<p><b>HMIRS</b></p>	<p><b>2004080788</b>                  N/A</p>
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**Relative: Higher** [Click this hyperlink](#) while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

**Actual:**  
 711 ft.

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
Q151 NNE > 1 4.369 mi. 23068 ft.	14432 WASHINGTON RD WEST BURLINGTON, IA  Site 18 of 47 in cluster Q	HMIRS	2000022274 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
Actual: 711 ft. Q152	14432 WASHINGTON RD WEST BURLINGTON, IA  Site 19 of 47 in cluster Q	HMIRS	2000022275 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
Actual: 711 ft. Q153	14432 WASHINGTON ROAD WEST BURLINGTON, IA  Site 20 of 47 in cluster Q	HMIRS	2002084419 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
Actual: 711 ft. Q154	14432 WASHINGTON RD WEST BURLINGTON, IA  Site 21 of 47 in cluster Q	HMIRS	2000111355 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
Actual: 711 ft. Q155	14432 WASHINGTON ROAD WEST BURLINGTON, IA  Site 22 of 47 in cluster Q	HMIRS	2002033655 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
Actual: 711 ft. Q156	14432 WASHINGTON ROAD 14432 WASHINGTON ROAD WEST BURLINGTON, IA  Site 23 of 47 in cluster Q	HMIRS	2005709685 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
Actual: 711 ft.			

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
Q157 NNE > 1 4.369 mi. 23068 ft.	14432 WASHINGTON RD WEST BURLINGTON, IA  Site 24 of 47 in cluster Q	HMIRS	2000080001 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
Actual: 711 ft. Q158	14432 WASHINGTON RD WEST BURLINGTON, IA  Site 25 of 47 in cluster Q	HMIRS	2000029364 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
Actual: 711 ft. Q159	14432 WASHINGTON ROAD WEST BURLINGTON, IA  Site 26 of 47 in cluster Q	HMIRS	2003121406 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
Actual: 711 ft. Q160	14432 WASHINGTON ROAD WEST BURLINGTON, IA  Site 27 of 47 in cluster Q	HMIRS	2004041317 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
Actual: 711 ft. Q161	14432 WASHINGTON ROAD WEST BURLINGTON, IA  Site 28 of 47 in cluster Q	HMIRS	2003122514 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
Actual: 711 ft. Q162	14432 WASHINGTON ROAD WEST BURLINGTON, IA  Site 29 of 47 in cluster Q	HMIRS	2002083722 N/A
Relative: Higher	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
Actual: 711 ft.			



MAP FINDINGS

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
Q163	NNE	> 1	4.369 mi. 23068 ft.	14432 WASHINGTON ROAD WEST BURLINGTON, IA Site 30 of 47 in cluster Q	HMIRS	2005701698	N/A
<b>Relative:</b>				<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.			
<b>Higher</b>							
<b>Actual:</b>							
711 ft.	Q164	NNE	> 1	4.369 mi. 23068 ft.	14432 WASHINGTON ROAD WEST BURLINGTON, IA Site 31 of 47 in cluster Q	HMIRS	2002084887
<b>Relative:</b>				<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.			
<b>Higher</b>							
<b>Actual:</b>							
711 ft.	Q165	NNE	> 1	4.369 mi. 23068 ft.	14432 WASHINGTON RD WEST BURLINGTON, IA Site 32 of 47 in cluster Q	HMIRS	2000080021
<b>Relative:</b>				<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.			
<b>Higher</b>							
<b>Actual:</b>							
711 ft.	Q166	NNE	> 1	4.369 mi. 23068 ft.	14432 WASHINGTON ROAD WEST BURLINGTON, IA Site 33 of 47 in cluster Q	HMIRS	200112052
<b>Relative:</b>				<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.			
<b>Higher</b>							
<b>Actual:</b>							
711 ft.	Q167	NNE	> 1	4.369 mi. 23068 ft.	14432 WASHINGTON RD WEST BURLINGTON, IA Site 34 of 47 in cluster Q	HMIRS	2001030393
<b>Relative:</b>				<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.			
<b>Higher</b>							
<b>Actual:</b>							
711 ft.	Q168	NNE	> 1	4.369 mi. 23068 ft.	14432 WASHINGTON ROAD WEST BURLINGTON, IA Site 35 of 47 in cluster Q	HMIRS	2000120758
<b>Relative:</b>				<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.			
<b>Higher</b>							
<b>Actual:</b>							
711 ft.							

MAP FINDINGS

Map ID	Direction	Distance	Elevation	Site	Database(s)	EDR ID Number	EPA ID Number
Q169	NNE	> 1	4.369 mi. 23068 ft.	14432 WASHINGTON RD WEST BURLINGTON, IA  Site 36 of 47 in cluster Q	HMIRS	2001030357	N/A
<b>Relative:</b> Higher				<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.			
Actual:	-----						
711 ft. Q170	NNE	> 1	4.369 mi. 23068 ft.	14432 WASHINGTON RD 14432 WASHINGTON RD WEST BURLINGTON, IA 52655  Site 37 of 47 in cluster Q	HMIRS	2010102195	N/A
<b>Relative:</b> Higher				<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.			
Actual:	-----						
711 ft. Q171	NNE	> 1	4.369 mi. 23068 ft.	14432 WASHINGTON ROAD 14432 WASHINGTON ROAD WEST BURLINGTON, IA  Site 38 of 47 in cluster Q	HMIRS	2008429936	N/A
<b>Relative:</b> Higher				<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.			
Actual:	-----						
711 ft. Q172	NNE	> 1	4.369 mi. 23068 ft.	14432 WASHINGTON RD WEST BURLINGTON, IA  Site 39 of 47 in cluster Q	HMIRS	2000080678	N/A
<b>Relative:</b> Higher				<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.			
Actual:	-----						
711 ft. Q173	NNE	> 1	4.369 mi. 23068 ft.	14432 WASHINGTON ROAD WEST BURLINGTON, IA  Site 40 of 47 in cluster Q	HMIRS	2004070584	N/A
<b>Relative:</b> Higher				<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.			
Actual:	-----						
711 ft. P174	NE	> 1	4.377 mi. 23109 ft.	FRIENDLY TOYOTA INC HIWAY 34 WEST WEST BURLINGTON, IA 52655  Site 2 of 2 in cluster P	IA UST	U003633378	N/A
<b>Relative:</b> Higher				UST: Facility Id: 1681 Loc Id: 1681			
<b>Actual:</b> 679 ft.				Registration: 198601123 Owner Type: 6			

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FRIENDLY TOYOTA INC (Continued)**

**U003633378**

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: 01/06/1986  
Created By: migration  
Created Date: 01/08/2007  
Changed By: migration  
Last Changed: 01/08/2007  
Latitude: 40.83379  
Longitude: -91.18934

**Tank Info:**

Tank Num: 2843  
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: 2844  
In Use: False  
Tank Type: Not reported  
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: 2845  
In Use: False  
Tank Type: Not reported  
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

**Q175**  
**NNE**  
**> 1**  
**4.418 mi.**  
**23325 ft.**

**DES MOINES CO REGIONAL SANITARY LANDFILL**  
**13758 WASHINGTON RD**  
**WEST BURLINGTON, IA 52655**  
**Site 41 of 47 in cluster Q**

**US AIRS 1005658447**  
**N/A**

**Relative:**  
**Higher**

AIRS (AFS):

Compliance and Violation Data Major Sources:

**Actual:**  
**712 ft.**

EPA plant ID: 110002352258  
Plant name: DES MOINES CO REGIONAL SANITARY LANDFILL  
Plant address: 13758 WASHINGTON RD  
WEST BURLINGTON, IA 52655  
County: DES MOINES  
Region code: 07  
Dunn & Bradst #: Not reported  
Air quality cntrl region: 065

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**DES MOINES CO REGIONAL SANITARY LANDFILL (Continued)**

**1005658447**

Sic code: 4953  
 Sic code desc: REFUSE SYSTEMS  
 North Am. industrial classf: 562212  
 NAIC code description: Solid Waste Landfill  
 Default compliance status: IN COMPLIANCE - INSPECTION  
 Default classification: POTENTIAL EMISSIONS ARE BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS IF AND ONLY IF THE SOURCE COMPLIES WITH FEDERALLY ENFORCEABLE REGULATIONS OR LIMITATIONS.  
 Govt facility: SOURCE OWNED OR OPERATED BY THE MUNICIPALITY  
 Current HPV: Not reported

<b>Q176</b>	<b>DES MOINES COUNTY REGIONAL SANITARY LANDFILL</b>	<b>IA SWF/LF</b>	<b>S110366953</b>
<b>NNE</b>	<b>13758 WASHINGTON RD</b>	<b>IA AIRS</b>	<b>N/A</b>
<b>&gt; 1</b>	<b>WEST BURLINGTON, IA 52655</b>		
<b>4.418 mi.</b>			
<b>23325 ft.</b>	<b>Site 42 of 47 in cluster Q</b>		

**Relative:**  
**Higher**

SWF/LF:

**Actual:**  
**712 ft.**

Facility ID: 29-ADP-01-03  
 Facility Type: Appliance Demanufacturing Permit  
 Permit Stage: Operation Permit  
 Expiration Date: 4/2/2019  
 Project Officer: Johnson  
 Affiliation: Design Engineer  
 Phone: Work: (515) 256-8814 Fax: (515) 256-0152  
 Contact Name: Brian L Rath  
 Contact Title: PE  
 Contact eMail: brath@barkerlemar.com  
 Contact Company: Barker Lemar Engineering Consultants  
 Contact Address: 1801 Industrial Circle  
 Contact Address2: Not reported  
 Contact City,St,Zip: West Moines, IA 50265  
 Field Office: 6  
 Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
 Latitude: 40.848709  
 Longitude: -91.195139

Facility ID: 29-ADP-01-03  
 Facility Type: Appliance Demanufacturing Permit  
 Permit Stage: Operation Permit  
 Expiration Date: 4/2/2019  
 Project Officer: Johnson  
 Affiliation: Mailing Contact, Appliance Demanufacturer, Automated Email  
 Phone: Work: (319) 753-8126 Fax: (319) 753-8717  
 Contact Name: Becky Perry  
 Contact Title: Asst. Director  
 Contact eMail: bperry@dmcwaste.org  
 Contact Company: Des Moines County Regional Solid Waste Commission  
 Contact Address: 1818 West Burlington Avenue  
 Contact Address2: Not reported  
 Contact City,St,Zip: Burlington, IA 52601  
 Field Office: 6  
 Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
 Latitude: 40.848709  
 Longitude: -91.195139

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DES MOINES COUNTY REGIONAL SANITARY LANDFILL (Continued)**

**S110366953**

Facility ID: 29-ADP-01-03  
Facility Type: Appliance Demanufacturing Permit  
Permit Stage: Operation Permit  
Expiration Date: 4/2/2019  
Project Officer: Johnson  
Affiliation: Operator of Facility Site  
Phone: Work: (319) 753-8717 Fax: (319) 753-8126  
Contact Name: Larry Sampson  
Contact Title: Not reported  
Contact eMail: Not reported  
Contact Company: Des Moines County Regional Solid Waste Commission  
Contact Address: 1818 West Burlington Avenue  
Contact Address2: Not reported  
Contact City,St,Zip: Burlington, IA 52601  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Facility ID: 29-ADP-01-03  
Facility Type: Appliance Demanufacturing Permit  
Permit Stage: Operation Permit  
Expiration Date: 4/2/2019  
Project Officer: Johnson  
Affiliation: Primary Contact, Automated Email  
Phone: Work: (319) 753-8126 Fax: (319) 753-8717  
Contact Name: Hal Morton  
Contact Title: Executive Director  
Contact eMail: hmorton@dmcwaste.org  
Contact Company: Des Moines County Regional Solid Waste Commission  
Contact Address: 1818 West Burlington Avenue  
Contact Address2: Not reported  
Contact City,St,Zip: Burlington, IA 52601  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*, Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Appliance Demanufacturer  
Phone: Work: (319) 753-8126 Fax: (319) 753-8717  
Contact Name: Becky Perry  
Contact Title: Asst. Director  
Contact eMail: bperry@dmcwaste.org  
Contact Company: Des Moines County Regional Solid Waste Commission  
Contact Address: 1818 West Burlington Avenue  
Contact Address2: Not reported  
Contact City,St,Zip: Burlington, IA 52601  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DES MOINES COUNTY REGIONAL SANITARY LANDFILL (Continued)**

**S110366953**

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*,Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Design Engineer,Automated Email  
Phone: Work: (515) 256-8814Fax: (515) 256-0152  
Contact Name: Brian L Rath  
Contact Title: PE  
Contact eMail: brath@barkerleamar.com  
Contact Company: Barker Lemar Engineering Consultants  
Contact Address: 1801 Industrial Circle  
Contact Address2: Not reported  
Contact City,St,Zip: West Moines, IA 50265  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*,Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Mailing Contact,Report Form Contact  
Phone: Work: (319) 753-8758  
Contact Name: Elyn Holton-Dean  
Contact Title: RCC Contact  
Contact eMail: eholtondean@mchsi.com  
Contact Company: Haz Chem I  
Contact Address: 13758 Washington Rd  
Contact Address2: Not reported  
Contact City,St,Zip: West Burlington, IA 52655  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*,Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Operator of Facility Site  
Phone: Fax: (319) 753-8717Work: (319) 753-8722  
Contact Name: Eric Houtz  
Contact Title: Not reported  
Contact eMail: edhoutz@mediacombb.net  
Contact Company: Des Moines County Sanitary Landfill  
Contact Address: 1818 West Burlington Avenue  
Contact Address2: Not reported  
Contact City,St,Zip: Burlington, IA 52601  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DES MOINES COUNTY REGIONAL SANITARY LANDFILL (Continued)**

**S110366953**

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*,Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Primary Contact,Responsible Official of Agency served,Automated Email  
Phone: Work: (319) 753-8126Fax: (319) 753-8717  
Contact Name: Hal Morton  
Contact Title: Executive Director  
Contact eMail: hmorton@dmcwaste.org  
Contact Company: Des Moines County Regional Solid Waste Commission  
Contact Address: 1818 West Burlington Avenue  
Contact Address2: Not reported  
Contact City,St,Zip: Burlington, IA 52601  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*,Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Special Waste Generator  
Phone: Work: (608) 836-1500Fax: (608) 831-3337  
Contact Name: Anthony Miller  
Contact Title: Not reported  
Contact eMail: Not reported  
Contact Company: Gannett Fleming  
Contact Address: 8025 Excelsior Drive  
Contact Address2: Not reported  
Contact City,St,Zip: Madison, WI 53717  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*,Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Special Waste Generator  
Phone: Work: (319) 753-7352Fax: () -  
Contact Name: Beverly Johnson  
Contact Title: Not reported  
Contact eMail: Not reported  
Contact Company: American Ordinance LLC  
Contact Address: Iowa Army Ammo Plant  
Contact Address2: Not reported  
Contact City,St,Zip: Middletown, IA 52638  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DES MOINES COUNTY REGIONAL SANITARY LANDFILL (Continued)**

**S110366953**

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*,Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Special Waste Generator  
Phone: Work: (319) 752-7611Fax: () -  
Contact Name: Bob Lokander  
Contact Title: Not reported  
Contact eMail: Not reported  
Contact Company: Burlington Municipal Water Works  
Contact Address: 500 North Third Street  
Contact Address2: Not reported  
Contact City,St,Zip: Burlington, IA 52601  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*,Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Special Waste Generator  
Phone: Work: (319) 754-3320  
Contact Name: Brad Fidely  
Contact Title: Not reported  
Contact eMail: Not reported  
Contact Company: Case Corporation  
Contact Address: 1930 Des Moines Ave  
Contact Address2: Not reported  
Contact City,St,Zip: Burlington, IA 52601  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*,Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Special Waste Generator  
Phone: Work: (319) 385-8001  
Contact Name: Brian Sinclair  
Contact Title: Not reported  
Contact eMail: Not reported  
Contact Company: Ceko Building Systems  
Contact Address: 305 N Iris St  
Contact Address2: PO Box 72  
Contact City,St,Zip: Mount Pleasant, IA 52641-0072  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DES MOINES COUNTY REGIONAL SANITARY LANDFILL (Continued)**

**S110366953**

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*,Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Special Waste Generator  
Phone: Work: (319) 394-9202Fax: (319) 394-3977  
Contact Name: Daniel Boom  
Contact Title: Not reported  
Contact eMail: r5135@aol.com  
Contact Company: The Hawkeye Group  
Contact Address: 506 South Wapello  
Contact Address2: Not reported  
Contact City,St,Zip: Mediapolis, IA 52637  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*,Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Special Waste Generator  
Phone: Work: (319) 753-8157  
Contact Name: Donald C Fitting  
Contact Title: Not reported  
Contact eMail: Not reported  
Contact Company: City of Burlington  
Contact Address: 400 Washington  
Contact Address2: Not reported  
Contact City,St,Zip: Burlington, IA 12345  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*,Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Special Waste Generator  
Phone: Work: (319) 754-3243Fax: (319) 754-3108  
Contact Name: Eric Orth  
Contact Title: Not reported  
Contact eMail: Not reported  
Contact Company: CNH America LLC  
Contact Address: 1930 Des Moines Avenue  
Contact Address2: Not reported  
Contact City,St,Zip: Burlington, IA 52601  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DES MOINES COUNTY REGIONAL SANITARY LANDFILL (Continued)**

**S110366953**

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*,Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Special Waste Generator  
Phone: Work: (319) 753-5131  
Contact Name: James W Belger Jr  
Contact Title: Not reported  
Contact eMail: Not reported  
Contact Company: LaMont Ltd  
Contact Address: 1530 N Bluff Rd  
Contact Address2: PO Box 399  
Contact City,St,Zip: Burlington, IA 52601  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*,Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Special Waste Generator  
Phone: Work: (319) 753-8508Fax: (319) 753-8574  
Contact Name: Jill Gassman  
Contact Title: Not reported  
Contact eMail: Not reported  
Contact Company: GE Company  
Contact Address: 510 E. Agency Road  
Contact Address2: Not reported  
Contact City,St,Zip: West Burlington, IA 52655  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*,Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Special Waste Generator  
Phone: Work: (319) 754-5135  
Contact Name: John Jennison  
Contact Title: Not reported  
Contact eMail: Not reported  
Contact Company: Riley Industrial Painting  
Contact Address: PO Box 965  
Contact Address2: Not reported  
Contact City,St,Zip: Burlington, IA 52601  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DES MOINES COUNTY REGIONAL SANITARY LANDFILL (Continued)**

**S110366953**

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*,Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Special Waste Generator  
Phone: Work: (402) 421-8027  
Contact Name: John R Puelz  
Contact Title: Not reported  
Contact eMail: Not reported  
Contact Company: Lindner Painting, Inc.  
Contact Address: 2501 W. Denton Road  
Contact Address2: Not reported  
Contact City,St,Zip: Lincoln, NE 68523  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*,Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Special Waste Generator  
Phone: Work: (319) 394-3197Fax: (319) 394-3977  
Contact Name: John Strohn  
Contact Title: Not reported  
Contact eMail: r5135@aol.com  
Contact Company: The Hawkeye Group  
Contact Address: 506 South Wapello  
Contact Address2: Not reported  
Contact City,St,Zip: Mediapolis, IA 52637  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*,Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Special Waste Generator  
Phone: Work: (319) 385-1482  
Contact Name: Larry Hite  
Contact Title: Not reported  
Contact eMail: Not reported  
Contact Company: City of Mount Pleasant  
Contact Address: 220 West Monroe  
Contact Address2: Not reported  
Contact City,St,Zip: Mount Pleasant, IA 52641  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DES MOINES COUNTY REGIONAL SANITARY LANDFILL (Continued)**

**S110366953**

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*,Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Special Waste Generator  
Phone: Work: (319) 385-2231  
Contact Name: Paul Cross  
Contact Title: Not reported  
Contact eMail: Not reported  
Contact Company: Blue Bird Midwest  
Contact Address: Hwy 34 West  
Contact Address2: PO Box 180  
Contact City,St,Zip: Burlington, IA 52641  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*,Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Special Waste Generator  
Phone: Work: (319) 754-3273Fax: (319) 754-3466  
Contact Name: Theresa Wallace  
Contact Title: Not reported  
Contact eMail: Not reported  
Contact Company: CNH America LLC  
Contact Address: 1930 Des Moines Avenue  
Contact Address2: Not reported  
Contact City,St,Zip: Burlington, IA 52601  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Facility ID: 29-SDP-01-76  
Facility Type: Municipal Landfill\*,Household Hazardous Materials  
Permit Stage: Operation Permit  
Expiration Date: 7/30/2018  
Project Officer: Spain  
Affiliation: Special Waste Generator  
Phone: Work: (319) 753-7705Fax: (319) 753-7601  
Contact Name: Zaynab Murray  
Contact Title: Not reported  
Contact eMail: Not reported  
Contact Company: United States Army  
Contact Address: IAAAP 17571 DMC Hwy 79  
Contact Address2: Not reported  
Contact City,St,Zip: Middletown, IA 52638  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DES MOINES COUNTY REGIONAL SANITARY LANDFILL (Continued)**

**S110366953**

Facility ID: 29-SDP-08-00  
Facility Type: Household Hazardous Materials  
Permit Stage: Rescission  
Expiration Date: N/A  
Project Officer: Buckendahl  
Affiliation: Appliance Demanufacturer  
Phone: Work: (319) 753-8126 Fax: (319) 753-8717  
Contact Name: Becky Perry  
Contact Title: Asst. Director  
Contact eMail: bperry@dmcwaste.org  
Contact Company: Des Moines County Regional Solid Waste Commission  
Contact Address: 1818 West Burlington Avenue  
Contact Address2: Not reported  
Contact City,St,Zip: Burlington, IA 52601  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Facility ID: 29-SDP-08-00  
Facility Type: Household Hazardous Materials  
Permit Stage: Rescission  
Expiration Date: N/A  
Project Officer: Buckendahl  
Affiliation: Design Engineer  
Phone: Fax: (515) 256-0152 Work: (515) 565-8814  
Contact Name: Tracy Lemar  
Contact Title: Not reported  
Contact eMail: tlemar@barkerleamar.com  
Contact Company: Barker Lemar Engineering Consultants  
Contact Address: 1801 Industrial Circle  
Contact Address2: Not reported  
Contact City,St,Zip: West Moines, IA 50265  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Facility ID: 29-SDP-08-00  
Facility Type: Household Hazardous Materials  
Permit Stage: Rescission  
Expiration Date: N/A  
Project Officer: Buckendahl  
Affiliation: Operator of Facility Site  
Phone: Fax: (319) 753-8717 Work: (319) 753-8722  
Contact Name: Eric Houtz  
Contact Title: Not reported  
Contact eMail: edhoutz@mediacombb.net  
Contact Company: Des Moines County Sanitary Landfill  
Contact Address: 1818 West Burlington Avenue  
Contact Address2: Not reported  
Contact City,St,Zip: Burlington, IA 52601  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DES MOINES COUNTY REGIONAL SANITARY LANDFILL (Continued)**

**S110366953**

Facility ID: 29-SDP-08-00  
Facility Type: Household Hazardous Materials  
Permit Stage: Rescission  
Expiration Date: N/A  
Project Officer: Buckendahl  
Affiliation: Primary Contact, Responsible Official of Agency served, Automated Email  
Phone: Work: (319) 753-8126 Fax: (319) 753-8717  
Contact Name: Hal Morton  
Contact Title: Executive Director  
Contact eMail: hmorton@dmcwaste.org  
Contact Company: Des Moines County Regional Solid Waste Commission  
Contact Address: 1818 West Burlington Avenue  
Contact Address2: Not reported  
Contact City, St, Zip: Burlington, IA 52601  
Field Office: 6  
Loc Supplement: E 1/2, Sec. 21 and W 1/2, Sec. 22, T70N, R3W, 250  
Latitude: 40.848709  
Longitude: -91.195139

**AIRS:**

Facility Number: 29-02-010  
Status: Minor  
Closed?: No  
Region: East  
Contact Name: Mr. Steve Henry  
Contact Phone: 319-753-8722  
Facility Contact Phone: Not reported  
Mailing Address: 1818 BURLINGTON AVE  
Mailing Address 2: Not reported  
Mailing City, St, Zip: BURLINGTON, IA 52601-  
SIC Primary: Not reported  
NAICS Primary: Not reported

**Q177** **DES MOINES COUNTY SLF**  
**NNE** **13758 WASHINGTON ROAD**  
**> 1** **WEST BURLINGTON, IA 52655**

**FINDS** **1017372829**  
**N/A**

**4.418 mi.**  
**23325 ft.** **Site 43 of 47 in cluster Q**

**Relative:**  
**Higher**

**FINDS:**

Registry ID: 110061014940  
Environmental Interest/Information System  
LANDFILL GAS (LFG) RECOVERY

**Actual:**  
**712 ft.**

MAP FINDINGS

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

<b>Q178</b>	<b>DES MOINES CO. REG. SOLID WASTE</b>	<b>IA AST</b>	<b>A100372391</b>
<b>NNE</b>	<b>13758 WASHINGTON RD</b>		<b>N/A</b>
<b>&gt; 1</b>	<b>WEST BURLINGTON, IA</b>		
<b>4.418 mi.</b>			
<b>23325 ft.</b>	<b>Site 44 of 47 in cluster Q</b>		

<b>Relative:</b>	<b>AST:</b>		
<b>Higher</b>	Key:	3213	
	Facility County Code:	Not reported	
<b>Actual:</b>	Owners Name:	DES MOINES CO. REG. SOLID WASTE	
<b>712 ft.</b>	Owners Address:	1818 WEST BURLINGTON	
	Owners City,St,Zip:	Burlington, IA 52601	
	Tank Key Num:	Not reported	
	Registration Number:	16083	
	Year Of Manufacture (age):	Not reported	
	Size:	9715	
	Type:	Not reported	
	Contents:	Diesel Low Sulfur	
	Plan Date:	Not reported	
	Registration Date:	Not reported	
	Plan Number:	Not reported	
	Out of Service Date:	Not reported	
	Amount Received:	Not reported	
	Date Received:	Not reported	

<b>Q179</b>	<b>DES MOINES COUNTY REGIONAL SANITARY LANDFILL</b>	<b>FINDS</b>	<b>1016062667</b>
<b>NNE</b>	<b>13758 WASHINGTON ROAD</b>		<b>N/A</b>
<b>&gt; 1</b>	<b>WEST BURLINGTON, IA 52655</b>		
<b>4.418 mi.</b>			
<b>23325 ft.</b>	<b>Site 45 of 47 in cluster Q</b>		

<b>Relative:</b>	<b>FINDS:</b>		
<b>Higher</b>	Registry ID:	110002352258	
<b>Actual:</b>	Environmental Interest/Information System		
<b>712 ft.</b>	<p>AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.</p> <p>AIR SYNTHETIC MINOR</p> <p>CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY</p> <p>IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors</p> <p>GREENHOUSE GAS REPORTER</p>		

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**Q180**      **GATEWAY CENTER CARE FACILITY-STP**  
**NNE**        **13702 WASHINGTON ROAD**  
**> 1**         **WEST BURLINGTON, IA 52655**  
**4.422 mi.**  
**23348 ft.**    **Site 46 of 47 in cluster Q**

**IA NPDES**    **S108268807**  
**N/A**

**Relative:**  
**Higher**

NPDES:

Permit Number:	2900901
Epa Npdes Id Number:	0065447
Permit Expiration Date:	06/02/2014
Facility Name:	GATEWAY CENTER CARE FACILITY-STP
Facility Address1:	13702 WASHINGTON ROAD
Facility City:	WEST BURLINGTON
Facility Phone Number:	(319)753-8232
Facility Type:	SEMI-PUBLIC
Facility Class:	MINOR
Standard Industrial Classification Code:	8051
Owner Name:	DES MOINES CO.BD.OF SUPERVISORS
Owner Add1:	513 N. MAIN STREET
Owner Add2:	Not reported
Owner City:	BURLINGTON
Owner State:	IA
Owner Zip:	52601
Owner Phone:	(319)753-8232
Indr Regional/Field Office Number:	6
Section:	27
Township:	70
Range:	03
Latitude Degree:	40.84013
Longitude Degree:	-91.19293
River Basin:	FLINT RIVER
Type Of Treatment:	WASTE STABILIZATION LAGOON
Design Population Equivalent:	114
Design Biochemical Oxygen Demand:	19
Design Avg Dry Weather Flow (Mll Glns Per Dy):	Not reported
Design Avg Wet Weather Flow (Mll Glns Per Dy):	7.799
Operator Certification Facility Type:	Not reported
Operator Certification Facility Grade:	Not reported

**Actual:**  
**711 ft.**

**Q181**      **GATEWAY CENTER CARE FACILITY-STP**  
**NNE**        **13702 WASHINGTON ROAD**  
**> 1**         **WEST BURLINGTON, IA 52655**  
**4.422 mi.**  
**23348 ft.**    **Site 47 of 47 in cluster Q**

**FINDS**      **1005504895**  
**N/A**

**Relative:**  
**Higher**

FINDS:

Registry ID:                    110010031223

**Actual:**  
**711 ft.**

Environmental Interest/Information System

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GATEWAY CENTER CARE FACILITY-STP (Continued)**

**1005504895**

Documentation) provides information about existing emission factors

182  
NE  
> 1  
4.425 mi.  
23364 ft.

**IDEAL READY MIX CO INC - WEST BURLINGTON**  
**2880 MOUNT PLEASANT ST**  
**WEST BURLINGTON, IA 52655**

**FINDS 1009796749**  
**US AIRS N/A**

**Relative:**  
**Higher**

FINDS:

Registry ID: 110027236499

**Actual:**  
**685 ft.**

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

AIR MINOR

IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

AIRS (AFS):

Airs Minor Details:

EPA plant ID: 110027236499  
Plant name: IDEAL READY MIX CO INC - WEST BURLINGTON  
Plant address: 2880 MOUNT PLEASANT ST  
WEST BURLINGTON, IA 52655  
County: DES MOINES  
Region code: 07  
Dunn & Bradst #: Not reported  
Air quality cntrl region: 065  
Sic code: 3273  
Sic code desc: READY MIXED CONCRETE  
North Am. industrial classf: 327320  
NAIC code description: Ready-Mix Concrete Manufacturing  
Default compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Default classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT  
Current HPV: Not reported

Compliance and Enforcement Major Issues:

Air program: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IDEAL READY MIX CO INC - WEST BURLINGTON (Continued)**

**1009796749**

National action type: Not reported  
Date achieved: Not reported  
Penalty amount: Not reported

Historical Compliance Minor Sources:

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1403  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1402  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1401  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1304  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1303  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1302  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1301  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1204  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1203  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1202  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1201  
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Hist compliance date: 1104  
Air prog code hist file: SIP SOURCE

Compliance & Violation Data by Minor Sources:

Air program code: SIP SOURCE  
Plant air program pollutant: TOTAL PARTICULATE MATTER

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**IDEAL READY MIX CO INC - WEST BURLINGTON (Continued)**

**1009796749**

Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Def. attainment/non atnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT  
Repeat violator date: Not reported  
Turnover compliance: Not reported

Air program code: SIP SOURCE  
Plant air program pollutant: PARTICULATE MATTER  
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR  
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Def. attainment/non atnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT  
Repeat violator date: Not reported  
Turnover compliance: Not reported

R183  
NNE  
> 1  
4.428 mi.  
23379 ft.

**WASHINGTON HEIGHTS CARE FACILITY**  
**13528 WASHINGTON RD**  
**WEST BURLINGTON, IA 52655**

**FINDS 1011275236**  
**N/A**

**Site 1 of 4 in cluster R**

**Relative:**  
**Higher**

**FINDS:**

Registry ID: 110036350579

**Actual:**  
**711 ft.**

Environmental Interest/Information System

IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

R184  
NNE  
> 1  
4.428 mi.  
23379 ft.

**WASHINGTON HEIGHTS CARE FACILITY**  
**13528 WASHINGTON RD**  
**WEST BURLINGTON, IA 52655**

**IA LUST U004134411**  
**IA UST N/A**

**Site 2 of 4 in cluster R**

**Relative:**  
**Higher**

**LUST:**

Facility ID: 4192  
Spill Number: Not reported  
Occur Date: Not reported  
Discover Date: 11/05/1990  
Discover Time: UNK  
Record Date: 12/28/1990  
Leak Number: 8LTJ86  
Loc ID: 66630  
Ust ID: 9168  
Latitude: 40.83784  
Longitude: -91.19277  
Start Date: 01/09/1991  
Spill Date: Not reported  
Date Occurred Time: UNK  
Lead ID: 4  
Coordinator ID: 11  
Staff ID: Not reported  
Discover Method ID: 5  
Leak Status: Stopped  
Tanks Removed: Not reported

**Actual:**  
**711 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON HEIGHTS CARE FACILITY (Continued)

U004134411

Created Date: 01/08/2007  
Created By: migration  
Last Changed: 01/08/2007  
Changed By: migration

Lust Status:

ID: 4194  
Site Leak Number: 8LTJ86  
Discovered During: Other  
Tanks Removed: 01  
Leak Cause: UNK  
Gas: Not reported  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON HEIGHTS CARE FACILITY (Continued)

U004134411

Lust Cause:

Release Cause: Unknown

Lust Misc:

Misc Due Date: 12/26/1993      Misc Rec Date: 01/14/1994  
Misc Other: Not reported      Misc Title: Not reported

Lust Remediation:

Heat Treatment: False  
Land Application: False  
On Site: False  
Achieved Over-Excavation: True  
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: 4194  
Owner Identified: Yes  
Responsible Party Found: Yes  
RP Date: 01/09/1991  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON HEIGHTS CARE FACILITY (Continued)

U004134411

Delete: False  
CR Amnt Received: Not reported  
CR End Date: Not reported  
Memo: Not reported

Lust Track:

ID: 4194  
Site Assesment Start Date: 02/20/1991  
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: Yes  
Release Not Verified Date: Not reported  
Ref to Contaminated Site Section: Not reported  
Cleanup Start Date: 1993-03-23  
Cleanup Complete Date: 1994-02-09  
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: 1994-02-09  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON HEIGHTS CARE FACILITY (Continued)

U004134411

Track Memo: 02/18/91: INADEQUATE CLOSURE. MORE SMPL'NG REQUIRED. DUE DATE 4/8/91.11/14/91: LTR RE-STATING CLOSURE SAMPLING REQ. RPT DUE 12/30/91.02/06/92: OD RPT LTR SNT. REC'D 2/7/92. RSPNS DUE 2/17/92.02/26/92: PHONE CALL FROM RP REPRESENTATIVE. RPT SHOULD BE TO DNR BY 3/6/92.03/23/92: LTR SENT REQ ADD SOIL SAMPLES ABOVE STATIC WATER LEVEL. DUE 5/25/92.12/14/93: OVD SMPLNG LTR SNT. REC'D 12/16. RSPNS DUE 12/26/93.02/09/94: NFA LTR SNT. REC'D 2/11.

UST:

Facility Id: 9168  
Loc Id: 9168  
Registration: 198609037  
Owner Type: 1  
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: 05/01/1986  
Created By: migration  
Created Date: 01/08/2007  
Changed By: migration  
Last Changed: 01/08/2007  
Latitude: 40.83784  
Longitude: -91.19277

Tank Info:

Tank Num: 27359  
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: 27360  
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: 27361  
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

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**R185**     **DES MOINES COUNTY SHOP**  
**NNE**     **13522 WASHINGTON RD**  
**> 1**     **WEST BURLINGTON, IA 52655**  
**4.428 mi.**  
**23381 ft.**     **Site 3 of 4 in cluster R**

**FINDS**     **1011295533**  
**N/A**

**Relative:**  
**Higher**

FINDS:

Registry ID:                             110036393998

**Actual:**  
**711 ft.**

Environmental Interest/Information System  
 IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor  
 Documentation) provides information about existing emission factors

**R186**     **DES MOINES COUNTY SHOP**  
**NNE**     **13522 WASHINGTON RD**  
**> 1**     **WEST BURLINGTON, IA 52655**  
**4.428 mi.**  
**23381 ft.**     **Site 4 of 4 in cluster R**

**IA LUST**     **U004134301**  
**IA UST**     **N/A**

**Relative:**  
**Higher**

LUST:

Facility ID:                             4191  
 Spill Number:                           Not reported  
 Occur Date:                             Not reported  
 Discover Date:                           09/16/1995  
 Discover Time:                           Not reported  
 Record Date:                            10/06/1995  
 Leak Number:                           9LTC42  
 Loc ID:                                    66629  
 Ust ID:                                    9167  
 Latitude:                                 40.83857  
 Longitude:                               -91.19289  
 Start Date:                              10/12/1995  
 Spill Date:                               Not reported  
 Date Occurred Time:                   Not reported  
 Lead ID:                                  4  
 Coordinator ID:                         11  
 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:     4193  
 Site Leak Number:                       9LTC42  
 Discovered During:                      Removal  
 Tanks Removed:                         01  
 Leak Cause:                               UNK  
 Gas:                                         Yes  
 Diesel:                                      Not reported  
 Oil:    Not reported  
 Kerosene:                                 Not reported  
 Released Fuel Oil:                       Not reported  
 Released Hydraulic Oil:                Not reported  
 Released Other Petroleum:            Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DES MOINES COUNTY SHOP (Continued)**

**U004134301**

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:	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: 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DES MOINES COUNTY SHOP (Continued)**

**U004134301**

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:	4193
Owner Identified:	Yes
Responsible Party Found:	Yes
RP Date:	10/12/1995
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:	4193
Site Assesment Start Date:	10/20/1995
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:	1997-06-02

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DES MOINES COUNTY SHOP (Continued)**

**U004134301**

Ref to Contaminated Site Section:	Not reported
Cleanup Start Date:	Not reported
Cleanup Complete Date:	Not reported
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:	1997-06-02
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
<b>No Action Required:</b>	<b>False</b>
Priority Ranking:	Not reported
Delete:	False
Track Memo:	10/20/95: SCR LETTER SENT. RP GIVEN CHOICE OF SCR OR SCR EXEMPTION (OE). RP CHOICE DUE 11/03/95. DEFAULT SCR DUE DATE 04/23/96. LETTER INDICATED 60 DAY DUE DATE IF OE CHOSEN.11/15/95: LETTER FROM RP INDICATING ATTEMPT AT OE. OE REPORT DUE 12/23/95.06/02/97: LTR FROM DNR RESPONDING TO RE-SUBMISSION OF TNK CLSR RESULTS STATING RESULTS ARE BELOW RBCA ACTION LEVELS SO NFA.

UST:

Facility Id:	9167
Loc Id:	9167
Registration:	198609036
Owner Type:	1
Financial Code:	Not reported
Insurer's Name:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DES MOINES COUNTY SHOP (Continued)**

**U004134301**

Policy Number: Not reported  
Policy Start Date: Not reported  
Policy End Date: Not reported  
Registration Sign Date: 05/01/1986  
Created By: migration  
Created Date: 01/08/2007  
Changed By: migration  
Last Changed: 01/08/2007  
Latitude: 40.83857  
Longitude: -91.19289

Tank Info:

Tank Num: 27356  
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: 27357  
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: 27358  
In Use: False  
Tank Type: Not reported  
Tank Brand Id: Not reported  
Inert Material Id: Not reported  
Filled In Place: True  
Material Construction: Steel with Polyethylene  
Emergency Power Gen: Not reported

**S187**  
**NNW**  
**> 1**  
**4.454 mi.**  
**23516 ft.**

**BECK BROTHERS**  
**19264 110TH ST**  
**DANVILLE, IA 52623**

**Site 1 of 2 in cluster S**

**FINDS 1016694919**  
**N/A**

**Relative:**  
**Higher**

**FINDS:**

**Actual:**  
**722 ft.**

Registry ID: 110056261977

Environmental Interest/Information System  
IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor  
Documentation) provides information about existing emission factors

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**S188**  
**NNW** 19264 110TH ST. BOB BECK 2300  
> 1 DANVILLE, IA  
4.458 mi.  
23537 ft. **Site 2 of 2 in cluster S**

**IA SPILLS** **S109535386**  
N/A

**Relative:** SPILL:  
**Higher** Facility ID: 011909-KAL-1340  
Reported Date: 01/19/2009  
**Actual:** Reported Time: 1:40:00 PM  
**722 ft.** Taken By: Kathy Lee  
Spill Date: 01/19/2009  
Spill Time: 12:00:00 PM  
6 hr Letter: No  
Continuous Release: Yes  
Incident Location: Rural  
Incident Mode: Manure  
Incident Type: Manure  
Incident Medium Land: Not reported  
Incident Medium Water: Not reported  
Incident Medium Air: Not reported  
Field Office: Not reported  
Company Name: Not reported  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported  
Company Contact City/State/Zip: Not reported  
Company Contact Phone: Not reported  
Company Contact Fax No: Not reported  
Company Contact Start Date: Not reported  
Company Contact End Date: Not reported  
Initial Instructions: Not reported  
Events: Not reported

**T189** **SOUTHEASTERN COMMUNITY COLLEGE**  
**ENE** 1500 W AGENCY ROAD  
> 1 WEST BURLINGTON, IA 52655  
4.484 mi.  
23674 ft. **Site 1 of 3 in cluster T**

**FINDS** **1016992621**  
N/A

**Relative:** FINDS:  
**Higher** Registry ID: 110025577329  
**Actual:** Environmental Interest/Information System  
**706 ft.** NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

T190  
ENE  
> 1  
4.484 mi.  
23674 ft.

**SOUTHEASTERN COMMUNITY COLLEGE**  
**1500 W AGENCY ROAD**  
**WEST BURLINGTON, IA 52655**

FTTS 1009523599  
HIST FTTS N/A

Site 2 of 3 in cluster T

Relative:  
Higher

FTTS INSP:  
Inspection Number: 20020828IA011 1  
Region: 07  
Inspection Date: 08/28/02  
Inspector: HO  
Violation occurred: No  
Investigation Type: Section 6 PCB State Conducted  
Investigation Reason: Neutral Scheme, State  
Legislation Code: TSCA  
Facility Function: User

Actual:  
706 ft.

HIST FTTS INSP:  
Inspection Number: 20020828IA011 1  
Region: 07  
Inspection Date: Not reported  
Inspector: HO  
Violation occurred: No  
Investigation Type: Section 6 PCB State Conducted  
Investigation Reason: Neutral Scheme, State  
Legislation Code: TSCA  
Facility Function: User

T191  
ENE  
> 1  
4.484 mi.  
23674 ft.

**SOUTHEASTERN COMMUNITY COLLEGE**  
**1500 W AGENCY ROAD**  
**WEST BURLINGTON, IA 52655**

FTTS 1007294261  
HIST FTTS N/A

Site 3 of 3 in cluster T

Relative:  
Higher

FTTS INSP:  
Inspection Number: 19931104E2002 1  
Region: 02  
Inspection Date: 11/04/93  
Inspector: A. LESCHINSKY, JB  
Violation occurred: No  
Investigation Type: EPCRA, Enforcement, SEE Conducted  
Investigation Reason: Neutral Scheme, Region  
Legislation Code: EPCRA  
Facility Function: Processor

Actual:  
706 ft.

HIST FTTS INSP:  
Inspection Number: 19931104E2002 1  
Region: 02  
Inspection Date: Not reported  
Inspector: A. LESCHINSKY, JB  
Violation occurred: No  
Investigation Type: EPCRA, Enforcement, SEE Conducted  
Investigation Reason: Neutral Scheme, Region  
Legislation Code: EPCRA  
Facility Function: Processor

MAP FINDINGS

Map ID Direction Distance Elevation		Database(s)	EDR ID Number EPA ID Number
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<b>U192</b> <b>NNE</b> > 1 4.509 mi. 23807 ft.	<b>ECHO VALLEY MOBILE HOME PARK NO.1</b> <b>14876 WASHINGTON RD</b> <b>WEST BURLINGTON, IA 52655</b>  Site 1 of 9 in cluster U	<b>FINDS</b>	<b>1004466717</b> N/A
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**Relative:** FINDS:  
**Higher**

Registry ID: 110006776907

**Actual:**  
**714 ft.**

Environmental Interest/Information System  
 US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

<b>U193</b> <b>NNE</b> > 1 4.509 mi. 23807 ft.	<b>TIMBERLINE ESTATES, LTD.</b> <b>14876 WASHINGTON ROAD SUITE 117</b> <b>WEST BURLINGTON, IA 52655</b>  Site 2 of 9 in cluster U	<b>FINDS</b>	<b>1004466719</b> N/A
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**Relative:** FINDS:  
**Higher**

Registry ID: 110013110392

**Actual:**  
**714 ft.**

Environmental Interest/Information System  
 COMMUNITY WATER SYSTEM

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**U194**      **ECHO VALLEY MOBILE HOME PARK NO. 2**  
**NNE**      **14876 WASHINGTON ROAD, LOT 117**  
**> 1**      **WEST BURLINGTON, IA 52655**  
**4.509 mi.**  
**23807 ft.**      **Site 3 of 9 in cluster U**

**IA NPDES**      **S108268741**  
**N/A**

**Relative:**  
**Higher**

NPDES:

Permit Number: 2900605  
Epa Npdes Id Number: 0068241  
Permit Expiration Date: 04/30/2018  
Facility Name: ECHO VALLEY MOBILE HOME PARK NO. 2  
Facility Address1: 14876 WASHINGTON ROAD, LOT 117  
Facility City: WEST BURLINGTON  
Facility Phone Number: (440)838-4868  
Facility Type: SEMI-PUBLIC  
Facility Class: MINOR  
Standard Industrial Classification Code: 6515  
Owner Name: TIMBERLINE ESTATES, INC.  
Owner Add1: 9 CORPORATION PLACE  
Owner Add2: Not reported  
Owner City: BROADVIEW HEIGHTS  
Owner State: OH  
Owner Zip: 44147  
Owner Phone: (440)838-4868  
Indr Regional/Field Office Number: 6  
Section: 21  
Township: 70  
Range: 03  
Latitude Degree: 40.85524  
Longitude Degree: -91.21099  
River Basin: FLINT RIVER  
Type Of Treatment: AERATED LAGOON  
Design Population Equivalent: 102  
Design Biochemical Oxygen Demand: 17  
Design Avg Dry Weather Flow (Mll Glns Per Dy): 0.01  
Design Avg Wet Weather Flow (Mll Glns Per Dy): 1.499  
Operator Certification Facility Type: Not reported  
Operator Certification Facility Grade: Not reported

**Actual:**  
**714 ft.**

**U195**      **TIMBERLINE ESTATES, LTD**  
**NNE**      **14876 WASHINGTON ROAD**  
**> 1**      **WEST BURLINGTON, IA 52655**  
**4.509 mi.**  
**23807 ft.**      **Site 4 of 9 in cluster U**

**IA NPDES**      **S108268742**  
**N/A**

**Relative:**  
**Higher**

NPDES:

Permit Number: 2900601  
Epa Npdes Id Number: 0067725  
Permit Expiration Date: 03/24/2003  
Facility Name: ECHO VALLEY MOBILE HOME PARK NO.1  
Facility Address1: 14876 WASHINGTON RD  
Facility City: WEST BURLINGTON  
Facility Phone Number: (319)752-2344  
Facility Type: SEMI-PUBLIC  
Facility Class: MINOR  
Standard Industrial Classification Code: 6515  
Owner Name: TIMBERLINE ESTATES LTD.  
Owner Add1: DANIEL E. INKS  
Owner Add2: 9 CORPORATION CENTER  
Owner City: BROADVIEW HEIGHTS

**Actual:**  
**714 ft.**



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**TIMBERLINE ESTATES, LTD (Continued)**

**S108268742**

Owner State: OH  
Owner Zip: 44147  
Owner Phone: (440)838-4868  
Indr Regional/Field Office Number: 6  
Section: 21  
Township: 70  
Range: 03  
Latitude Degree: 40.85152  
Longitude Degree: -91.21671  
River Basin: FLINT RIVER  
Type Of Treatment: AERATED LAGOON  
Design Population Equivalent: 72  
Design Biochemical Oxygen Demand: 12  
Design Avg Dry Weather Flow (Mll Glns Per Dy): 5.599  
Design Avg Wet Weather Flow (Mll Glns Per Dy): 6.899  
Operator Certification Facility Type: Not reported  
Operator Certification Facility Grade: Not reported

Permit Number: 2900606  
Epa Npdes Id Number: 0068250  
Permit Expiration Date: 03/31/2016  
Facility Name: TIMBERLINE ESTATES, LTD  
Facility Address1: 14876 WASHINGTON ROAD  
Facility City: WEST BURLINGTON  
Facility Phone Number: (440)838-4868  
Facility Type: SEMI-PUBLIC  
Facility Class: MINOR  
Standard Industrial Classification Code: 6515  
Owner Name: TIMBERLINE ESTATES, LTD.  
Owner Add1: 9 CORPORATION CENTER  
Owner Add2: Not reported  
Owner City: BROADVIEW HEIGHTS  
Owner State: OH  
Owner Zip: 44147  
Owner Phone: (440)838-4868  
Indr Regional/Field Office Number: 6  
Section: 21  
Township: 70  
Range: 03  
Latitude Degree: 40.84799  
Longitude Degree: -91.21653  
River Basin: FLINT RIVER  
Type Of Treatment: WASTE STABILIZATION LAGOON  
Design Population Equivalent: 515  
Design Biochemical Oxygen Demand: 86  
Design Avg Dry Weather Flow (Mll Glns Per Dy): Not reported  
Design Avg Wet Weather Flow (Mll Glns Per Dy): 5.149  
Operator Certification Facility Type: Not reported  
Operator Certification Facility Grade: Not reported

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
<b>U196</b> <b>NNE</b> > 1 4.509 mi. 23807 ft.	<b>ECHO VALLEY MOBILE HOME PARK NO. 2</b> <b>14876 WASHINGTON ROAD, LOT 117</b> <b>WEST BURLINGTON, IA 52655</b>  <b>Site 5 of 9 in cluster U</b>	<b>FINDS</b>	<b>1011289575</b> <b>N/A</b>
<b>Relative:</b> <b>Higher</b>	<b>FINDS:</b>  Registry ID: 110010030395  Environmental Interest/Information System US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.  IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors		
<b>Actual:</b> 714 ft.			
<b>U197</b> <b>NNE</b> > 1 4.540 mi. 23971 ft.	<b>11432 WASHINGTON AVE</b> <b>WEST BURLINGTON, IA</b>  <b>Site 6 of 9 in cluster U</b>	<b>HMIRS</b>	<b>9998040050</b> <b>N/A</b>
<b>Relative:</b> <b>Higher</b>	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
<b>Actual:</b> 711 ft.			
<b>U198</b> <b>NNE</b> > 1 4.541 mi. 23976 ft.	<b>11432 WASHINGTON RD</b> <b>WEST BURLINGTON, IA</b>  <b>Site 7 of 9 in cluster U</b>	<b>HMIRS</b>	<b>9998080033</b> <b>N/A</b>
<b>Relative:</b> <b>Higher</b>	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
<b>Actual:</b> 711 ft.			
<b>U199</b> <b>NNE</b> > 1 4.541 mi. 23976 ft.	<b>11432 WASHINGTON RD</b> <b>WEST BURLINGTON, IA</b>  <b>Site 8 of 9 in cluster U</b>	<b>HMIRS</b>	<b>9998120488</b> <b>N/A</b>
<b>Relative:</b> <b>Higher</b>	<a href="#">Click this hyperlink</a> while viewing on your computer to access additional HMIRS detail in the EDR Site Report.		
<b>Actual:</b> 711 ft.			

MAP FINDINGS

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

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<b>U200</b> <b>NNE</b> > 1 4.541 mi. 23976 ft.	<b>11432 WASHINGTON ROAD</b> <b>WEST BURLINGTON, IA</b>  <b>Site 9 of 9 in cluster U</b>	<b>HMIRS</b>	<b>9998081232</b> <b>N/A</b>
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**Relative:** [Click this hyperlink](#) while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

**Higher**

<b>Actual:</b> 711 ft. 201 <b>NNE</b> > 1 4.578 mi. 24173 ft.	<b>JONES TRUCK LINES INC</b> <b>BEAVERDALE RD</b> <b>WEST BURLINGTON, IA 52655</b>	<b>IA UST</b>	<b>U003633655</b> <b>N/A</b>
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**Relative:** UST:

**Higher**

Facility Id:	2490
Loc Id:	2490
Registration:	198601956
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:	01/01/1900
Created By:	migration
Created Date:	01/08/2007
Changed By:	migration
Last Changed:	01/08/2007
Latitude:	40.83770
Longitude:	-91.20369

Tank Info:

Tank Num:	5311
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:	5312
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

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

V202  
NE  
> 1  
4.671 mi.  
24663 ft.

**2514 W. MT. PLEASANT STREET**  
**2514 W. MT. PLEASANT STREET**  
**WEST BURLINGTON, IA**

**HMIRS 2008449185**  
**N/A**

Site 1 of 6 in cluster V

Relative:  
Higher

[Click this hyperlink](#) while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

Actual:  
691 ft.  
V203  
NE  
> 1  
4.671 mi.  
24663 ft.

**UNITED PARCEL SERVICE**  
**2514 W MT PLEASANT CT**  
**WEST BURLINGTON, IA 52655**

Site 2 of 6 in cluster V

**RCRA-CESQG 1004689140**  
**FINDS IA0000350173**  
**IA LUST**  
**IA UST**  
**IA Financial Assurance**

Relative:  
Higher

RCRA-CESQG:

Actual:  
691 ft.

Date form received by agency: 04/30/2001  
Facility name: UNITED PARCEL SERVICE  
Facility address: 2514 W MT PLEASANT CT  
WEST BURLINGTON, IA 52655  
EPA ID: IA0000350173  
Mailing address: DIXON ST - PE DEPT  
DES MOINES, IA 50316  
Contact: CRAIG KUEHL  
Contact address: 2514 W MT PLEASANT CT  
WEST BURLINGTON, IA 52655  
Contact country: US  
Contact telephone: (319) 754-4364  
Contact email: Not reported  
EPA Region: 07  
Land type: Private  
Classification: Conditionally Exempt Small Quantity Generator  
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: UNITED PARCEL SERVICE  
Owner/operator address: 2609 DIXON ST  
DES MOINES, IA 50316  
Owner/operator country: Not reported  
Owner/operator telephone: (515) 263-7503  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**1004689140**

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: D001  
. Waste name: IGNITABLE WASTE  
  
. Waste code: D002  
. Waste name: CORROSIVE WASTE  
  
. Waste code: D003  
. Waste name: REACTIVE WASTE

Historical Generators:

Date form received by agency: 02/05/1999  
Site name: UNITED PARCEL SERVICE  
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001  
. Waste name: IGNITABLE WASTE  
  
. Waste code: D002  
. Waste name: CORROSIVE WASTE  
  
. Waste code: D003  
. Waste name: REACTIVE WASTE

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 04/30/2001  
Evaluation: COMPLIANCE ASSISTANCE VISIT  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA Contractor/Grantee

FINDS:

Registry ID: 110005732421

Environmental Interest/Information System

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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**1004689140**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

LUST:

Facility ID: 2877  
Spill Number: Not reported  
Occur Date: Not reported  
Discover Date: Not reported  
Discover Time: UNK  
Record Date: 12/21/1989  
Leak Number: 7LTK13  
Loc ID: 65239  
Ust ID: 6625  
Latitude: 40.82569  
Longitude: -91.18483  
Start Date: 03/09/1990  
Spill Date: Not reported  
Date Occurred Time: UNK  
Lead ID: 5  
Coordinator ID: 11  
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: 2878  
Site Leak Number: 7LTK13  
Discovered During: Removal  
Tanks Removed: 2  
Leak Cause: DISPENSER  
Gas: Yes  
Diesel: Not reported  
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: 000000000000  
Leak Status: Stopped  
Loc Soil: Not reported  
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

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**1004689140**

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: Loose fittings in line

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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

1004689140

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:	2878
Owner Identified:	Yes
Responsible Party Found:	Yes
RP Date:	03/09/1990
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:	2878
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:	1990-12-28
Ref to Contaminated Site Section:	Not reported
Cleanup Start Date:	Not reported
Cleanup Complete Date:	Not reported
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:	1990-12-28



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

1004689140

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
<b>No Action Required:</b>	<b>False</b>
Priority Ranking:	Not reported
Delete:	False
Track Memo:	02/14/90: CLOSURE REPORT REC'D. BENZENE LEVEL BETWEEN 5.0 PPM AND .7 PPB. HOLDING.12/28/90: LETTER SAYING NO FURTHER ACTION REQUIRED SENT. BENZENE LEVEL < 5 PPB.

UST:

Facility Id:	6625
Loc Id:	6625
Registration:	198606307
Owner Type:	6
Financial Code:	01
Insurer's Name:	UNITED PARCEL SERVICE
Policy Number:	Not reported
Policy Start Date:	03/25/2011
Policy End Date:	03/26/2015
Registration Sign Date:	08/07/1990
Created By:	migration
Created Date:	01/08/2007
Changed By:	Collins.Thomas
Last Changed:	04/01/2014
Latitude:	40.82569
Longitude:	-91.18483

Tank Info:

Tank Num:	18380
In Use:	False
Tank Type:	1

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**UNITED PARCEL SERVICE (Continued)**

**1004689140**

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:	18381
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:	18382
In Use:	True
Tank Type:	1
Tank Brand Id:	2
Inert Material Id:	Not reported
Filled In Place:	False
Material Construction:	Steel Int. Lined with Fiberglass
Emergency Power Gen:	False

IA Financial Assurance 1:

Facility ID:	198606307
Insurers Name:	UNITED PARCEL SERVICE
Policy End Date:	03/26/2015
Site Status:	Not reported
Financial Code:	01
Policy Number:	Not reported
Policy Start Date:	03/25/2011

V204  
 NE  
 > 1  
 4.671 mi.  
 24663 ft.  
 Relative:  
 Higher  
 Actual:  
 691 ft.

**UNITED PARCEL SERVICE**  
**2514 W MOUNT PLEASANT ST**  
**WEST BURLINGTON, IA**

**IA RGA LUST**    **S116266356**  
 N/A

**Site 3 of 6 in cluster V**

RGA LUST:  
 2012    UNITED PARCEL SERVICE    2514 W MOUNT PLEASANT ST

V205  
 NE  
 > 1  
 4.671 mi.  
 24663 ft.  
 Relative:  
 Higher  
 Actual:  
 691 ft.

**UPS - (BURLINGTON)**  
**2514 W. MT. PLEASANT STREET**  
**WEST BURLINGTON, IA 52655**

**IA TIER 2**    **S109948381**  
 N/A

**Site 4 of 6 in cluster V**

TIER 2:  
 Report Year:            2014  
 Facility Id:              326  
 Id:                         4215  
 Description:             COURIER SERVICES, EXCEPT AIR SIC

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UPS - (BURLINGTON) (Continued)**

**S109948381**

Last Modified: Not reported

Id: 492110  
Description: Couriers and Express Delivery Services NAICS  
Last Modified: Not reported

State Id: Not reported  
Fire District: West Burlington Fire Department  
Site Map: Not reported  
Site Coord Abbreviation: Not reported  
Date Signed: 01/14/2008  
Date Modified: 01/21/2015  
Dike Or Other Safeguard: Not reported  
Mailing Address: 2609 Dixon Street  
Mail City: Des Moines  
Mail State: IA  
Mail Zip: 50316  
Latitude: 40.82638  
Longitude: -91.18856  
Notes: Not reported

Contact:

Report Year: 2014  
Contact Id: 44632  
Date Modified: Not reported  
First Name: Richard  
Last Name: Collins  
Title: Not reported  
Email: rbcollins@ups.com  
Address: 2609 Dixon Street  
City: Des Moines  
Country: US  
State: IA  
Zip Code: 50316  
Type1: Owner / Operator  
Last Modified: Not reported  
Telephone: Not reported  
Telephone Type: Not reported

Chemical:

Report Year: 2014  
Chem Inv Record Id: 1949  
CICAS: N/A  
EHS Chemical: Not reported  
Chemical Name: ULTRA LOW SULFUR DIESEL, CLEAR  
Acute: Not reported  
Ave Amount: 42600  
Ave Amount Code: Not reported  
Max Amount: 71000  
Max Amount Code: Not reported  
Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 365  
Fire: True  
Gas: Not reported  
Liquid: True  
Mixture: True  
Pressure: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UPS - (BURLINGTON) (Continued)**

**S109948381**

Pure: Not reported  
Reactive: Not reported  
Solid: Not reported  
Trade Secret: Not reported

Chemical Loc:  
Report Year: 2014  
Record Key: 2786  
Chem Inv Record Id: 1949  
Type Code: Below ground tank  
Pressure Code: Ambient pressure  
Temperature Code: Ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

Report Year: 2013  
Facility Id: 326  
State Id: Not reported  
Fire District: West Burlington Fire Department  
Site Map: Not reported  
Site Coord Abbreviation: Not reported  
Date Signed: 01/14/2008  
Date Modified: 01/30/2014  
Dike Or Other Safeguard: Not reported  
Mailing Address: 2609 Dixon Street  
Mail City: Des Moines  
Mail State: IA  
Mail Zip: 50316  
Latitude: 40.82638  
Longitude: -91.18856  
Notes: Not reported

Report Year: 2012  
Facility Id: FAIDSIT2A00000326  
State Id: Not reported  
Fire District: West Burlington Fire Department  
Site Map: True  
Site Coord Abbreviation: False  
Date Signed: 02/04/2013  
Date Modified: 02/04/2013  
Dike Or Other Safeguard: False  
Mailing Address: 2609 Dixon Street  
Mail City: Des Moines  
Mail State: IA  
Mail Zip: 50316  
Latitude: 40.82638  
Longitude: -91.18856  
Notes: Not reported

Report Year: 2012  
Facility Id: FAIDSIT2A00000326  
State Id: Not reported  
Fire District: West Burlington Fire Department  
Site Map: True  
Site Coord Abbreviation: False

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UPS - (BURLINGTON) (Continued)**

**S109948381**

Date Signed: 02/16/2007  
Date Modified: 12/12/2011  
Dike Or Other Safeguard: False  
Mailing Address: 2609 Dixon Street  
Mail City: Des Moines  
Mail State: IA  
Mail Zip: 50316  
Latitude: 40.82638  
Longitude: -91.18856  
Notes: Not reported

Report Year: 2010  
Facility Id: FAIDSIT2A00000326  
State Id: Not reported  
Fire District: West Burlington Fire Department  
Site Map: True  
Site Coord Abbreviation: False  
Date Signed: 2011-01-20T16:05:45  
Date Modified: 3/30/2011  
Dike Or Other Safeguard: False  
Mailing Address: 2609 Dixon Street  
Mail City: Des Moines  
Mail State: IA  
Mail Zip: 50316  
Latitude: 40.826382000000002  
Longitude: -91.188568000000004  
Notes: Not reported

Report Year: 2009  
Facility Id: FAIDSIT2A00000326  
State Id: IA  
Fire District: West Burlington Fire Department  
Site Map: False  
Site Coord Abbreviation: False  
Date Signed: 2010-01-22T15:48:29  
Date Modified: 2010-01-22T15:47:57  
Dike Or Other Safeguard: False  
Mailing Address: 2609 Dixon Street  
Mail City: Des Moines  
Mail State: IA  
Mail Zip: 50316  
Latitude: 40.826382000000002  
Longitude: -91.188568000000004  
Notes: Not reported

V206  
NE  
> 1  
4.671 mi.  
24663 ft.

**UPS - (BURLINGTON)**  
**2514 W. MT. PLEASANT STREET**  
**WEST BURLINGTON, IA 52655**  
**Site 5 of 6 in cluster V**

**FINDS 1014698279**  
**N/A**

**Relative:**  
**Higher**

FINDS:

Registry ID: 110043609100

**Actual:**  
**691 ft.**

Environmental Interest/Information System  
IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor  
Documentation) provides information about existing emission factors

MAP FINDINGS

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

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<b>V207</b> <b>NE</b> > 1 4.800 mi. 25343 ft.	<b>IDEAL READY MIX CO., INC. - WEST BURLINGTON</b> <b>2280 MT PLEASANT ST</b> <b>WEST BURLINGTON, IA 52655</b>  <b>Site 6 of 6 in cluster V</b>	<b>IA AIRS</b>	<b>S107669041</b> <b>N/A</b>
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<b>Relative:</b> <b>Higher</b>	<b>AIRS:</b> Facility Number: 29-02-006 Status: Minor Closed?: No Region: East Contact Name: Ms. Lisa Ott Contact Phone: (319) 754-4747 Facility Contact Phone: Not reported Mailing Address: PO BOX 416 Mailing Address 2: Not reported Mailing City, St, Zip: WEST BURLINGTON, IA 52655-0416 SIC Primary: Not reported NAICS Primary: Not reported
<b>Actual:</b> <b>700 ft.</b>	

<b>W208</b> <b>ENE</b> > 1 4.865 mi. 25686 ft.	<b>GREAT RIVER MEDICAL CENTER</b> <b>1221 SOUTH GEAR AVENUE</b> <b>WEST BURLINGTON, IA 52655</b>  <b>Site 1 of 2 in cluster W</b>	<b>FINDS</b>	<b>1016180783</b> <b>N/A</b>
--	---	--------------	---------------------------------

<b>Relative:</b> <b>Higher</b>	<b>FINDS:</b>  Registry ID: 110001331292  Environmental Interest/Information System AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.  AIR SYNTHETIC MINOR  RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.  IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors
<b>Actual:</b> <b>699 ft.</b>	

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

W209  
ENE  
> 1  
4.865 mi.  
25686 ft.

GREAT RIVER MEDICAL CENTER  
1221 S GEAR AVE  
WEST BURLINGTON, IA 52655

RCRA-CESQG  
IA AIRS  
US AIRS

1004691366  
IAR000008052

Site 2 of 2 in cluster W

Relative:  
Higher

RCRA-CESQG:

Date form received by agency: 08/11/2005

Facility name: GREAT RIVER MEDICAL CENTER

Facility address: 1221 S GEAR AVE  
WEST BURLINGTON, IA 52655

EPA ID: IAR000008052

Mailing address: S GEAR AVE  
WEST BURLINGTON, IA 52655

Contact: TOM ZIMMERMAN

Contact address: S GEAR AVE  
WEST BURLINGTON, IA 52655

Contact country: US

Contact telephone: (319) 768-4926

Contact email: Not reported

EPA Region: 07

Land type: Private

Classification: Conditionally Exempt Small Quantity Generator

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

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
User oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

. Waste code: D001  
. Waste name: IGNITABLE WASTE

. Waste code: F003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREAT RIVER MEDICAL CENTER (Continued)**

**1004691366**

. 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.

Historical Generators:

Date form received by agency: 05/01/2001  
Site name: GREAT RIVER MEDICAL CENTER  
Classification: Conditionally Exempt 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.

Date form received by agency: 04/11/2000  
Site name: GREAT RIVER MEDICAL CENTER  
Classification: Conditionally Exempt 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.

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 08/11/2005  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREAT RIVER MEDICAL CENTER (Continued)**

**1004691366**

Date achieved compliance: Not reported  
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 05/01/2001  
Evaluation: COMPLIANCE ASSISTANCE VISIT  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

**AIRS:**

Facility Number: 29-02-008  
Status: Minor  
Closed?: No  
Region: East  
Contact Name: Mr. John Mercer  
Contact Phone: 319-768-3807  
Facility Contact Phone: Not reported  
Mailing Address: 1221 S GEAR AVE  
Mailing Address 2: Not reported  
Mailing City, St, Zip: WEST BURLINGTON, IA 52655-  
SIC Primary: Not reported  
NAICS Primary: Not reported

**AIRS (AFS):**

**Compliance and Violation Data Major Sources:**

EPA plant ID: 110001331292  
Plant name: GREAT RIVER MEDICAL CENTER  
Plant address: 1221 S GEAR AVE  
WEST BURLINGTON, IA 52655  
County: DES MOINES  
Region code: 07  
Dunn & Bradst #: Not reported  
Air quality cntrl region: 065  
Sic code: 8062  
Sic code desc: Not reported  
North Am. industrial classf: 622110  
NAIC code description: General Medical and Surgical Hospitals  
Default compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS  
Default classification: POTENTIAL EMISSIONS ARE BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS  
IF AND ONLY IF THE SOURCE COMPLIES WITH FEDERALLY ENFORCEABLE  
REGULATIONS OR LIMITATIONS.  
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR  
LOCAL GOVERNMENT  
Current HPV: Not reported

**X210 WESTLAND FAST BREAK**  
**ENE 1108 W AGENCY RD**  
**> 1 WEST BURLINGTON, IA 52655**  
**4.870 mi.**  
**25714 ft. Site 1 of 3 in cluster X**

**IA UST U003126807**  
**IA Financial Assurance N/A**

**Relative:** UST:  
**Higher** Facility Id: 17364  
Loc Id: 17364  
**Actual:** Registration: 199617837  
**703 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WESTLAND FAST BREAK (Continued)**

**U003126807**

Owner Type: 6  
Financial Code: 15  
Insurer's Name: PMMIC  
Policy Number: 9617837  
Policy Start Date: 01/13/2015  
Policy End Date: 01/12/2016  
Registration Sign Date: 12/21/1995  
Created By: migration  
Created Date: 01/08/2007  
Changed By: lisa.niedermayer@dnr.iowa.gov  
Last Changed: 01/30/2013  
Latitude: 40.81381  
Longitude: -91.15504

**Tank Info:**

Tank Num: 42655  
In Use: True  
Tank Type: 1  
Tank Brand Id: Not reported  
Inert Material Id: Not reported  
Filled In Place: Not reported  
Material Construction: FRP  
Emergency Power Gen: Not reported

Tank Num: 42656  
In Use: True  
Tank Type: 1  
Tank Brand Id: Not reported  
Inert Material Id: Not reported  
Filled In Place: Not reported  
Material Construction: FRP  
Emergency Power Gen: Not reported

Tank Num: 42657  
In Use: True  
Tank Type: 1  
Tank Brand Id: Not reported  
Inert Material Id: Not reported  
Filled In Place: Not reported  
Material Construction: FRP  
Emergency Power Gen: Not reported

**IA Financial Assurance 1:**

Facility ID: 199617837  
Insurers Name: PMMIC  
Policy End Date: 01/12/2016  
Site Status: Not reported  
Financial Code: 15  
Policy Number: 9617837  
Policy Start Date: 01/13/2015

MAP FINDINGS

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

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<b>X211</b> <b>ENE</b> > 1 4.870 mi. 25714 ft.	<b>1108 W AGENCY RD</b> <b>WEST BURLINGTON, IA 52655</b>  Site 2 of 3 in cluster X  EDR Historical Auto Stations: Name: WESTLAND CONOCO FAST BREAK Year: 2010 Address: 1108 W AGENCY RD	EDR US Hist Auto Stat	1015155921 N/A
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<b>X212</b> <b>ENE</b> > 1 4.870 mi. 25714 ft.	<b>WESTLAND FAST BREAK</b> <b>1108 W AGENCY RD</b> <b>WEST BURLINGTON, IA 52655</b>  Site 3 of 3 in cluster X  FINDS: Registry ID: 110036391721  Environmental Interest/Information System IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors	FINDS	1011296241 N/A
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<b>Y213</b> <b>SSE</b> > 1 4.884 mi. 25788 ft.	<b>WEVER JUNCTION</b> <b>1621 GREEN BAY RD</b> <b>WEVER, IA 52658</b>  Site 1 of 3 in cluster Y  UST: Facility Id: 17460 Loc Id: 17460 Registration: 199717940 Owner Type: 6 Financial Code: 15 Insurer's Name: PMMIC Policy Number: 9717940 Policy Start Date: 05/20/2014 Policy End Date: 05/19/2015 Registration Sign Date: 03/14/1997 Created By: migration Created Date: 01/08/2007 Changed By: Nelson.Paul Last Changed: 12/23/2014 Latitude: 40.71718 Longitude: -91.22706  Tank Info: Tank Num: 42881 In Use: True Tank Type: 1 Tank Brand Id: Not reported Inert Material Id: Not reported Filled In Place: Not reported Material Construction: FRP Emergency Power Gen: Not reported	IA UST IA SPILLS IA Financial Assurance	U003640696 N/A
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Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEVER JUNCTION (Continued)**

**U003640696**

Tank Num: 42882  
In Use: True  
Tank Type: 1  
Tank Brand Id: Not reported  
Inert Material Id: Not reported  
Filled In Place: Not reported  
Material Construction: FRP  
Emergency Power Gen: Not reported

Tank Num: 44280  
In Use: True  
Tank Type: 6  
Tank Brand Id: Not reported  
Inert Material Id: Not reported  
Filled In Place: False  
Material Construction: FRP  
Emergency Power Gen: False

Tank Num: 44281  
In Use: True  
Tank Type: 6  
Tank Brand Id: Not reported  
Inert Material Id: Not reported  
Filled In Place: False  
Material Construction: FRP  
Emergency Power Gen: False

**SPILL:**

Facility ID: 120814-KRL-1030  
Reported Date: 12/08/2014  
Reported Time: 10:30:00  
Taken By: Not reported  
Spill Date: Not reported  
Spill Time: Not reported  
6 hr Letter: Not reported  
Continuous Release: Not reported  
Incident Location: Not reported  
Incident Mode: Not reported  
Incident Type: Not reported  
Incident Medium Land: Not reported  
Incident Medium Water: Not reported  
Incident Medium Air: Not reported  
Field Office: 6  
Company Name: Unknown  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported  
Company Contact City/State/Zip: Not reported  
Company Contact Phone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WEVER JUNCTION (Continued)**

**U003640696**

Company Contact Fax No: Not reported  
Company Contact Start Date: Not reported  
Company Contact End Date: Not reported  
Initial Instructions: Not reported  
Events: Not reported

IA Financial Assurance 1:

Facility ID: 199717940  
Insurers Name: PMMIC  
Policy End Date: 05/19/2015  
Site Status: Not reported  
Financial Code: 15  
Policy Number: 9717940  
Policy Start Date: 05/20/2014

Y214  
SSE  
> 1  
4.884 mi.  
25788 ft.

**1621 GREEN BAY RD  
WEVER, IA 52658**  
**Site 2 of 3 in cluster Y**

**EDR US Hist Auto Stat 1015256743  
N/A**

Relative:  
Lower

EDR Historical Auto Stations:

Name: JET GAS CORPORATION  
Year: 2012  
Address: 1621 GREEN BAY RD

Actual:  
540 ft.

Y215  
SSE  
> 1  
4.884 mi.  
25788 ft.

**WEVER JUNCTION  
1621 GREEN BAY RD  
WEVER, IA 52658**  
**Site 3 of 3 in cluster Y**

**FINDS 1011284235  
N/A**

Relative:  
Lower

FINDS:

Registry ID: 110036245177

Actual:  
540 ft.

Environmental Interest/Information System  
IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor  
Documentation) provides information about existing emission factors

Z216  
SW  
> 1  
4.884 mi.  
25789 ft.

**AGRINEED INC  
1514 303RD AVENUE  
DENMARK, IA 52624**  
**Site 1 of 8 in cluster Z**

**IA TIER 2 S109945206  
N/A**

Relative:  
Higher

TIER 2:

Report Year: 2014  
Facility Id: 2840  
Id: 5191  
Description: FARM SUPPLIES SIC  
Last Modified: Not reported

Actual:  
712 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGRINEED INC (Continued)**

**S109945206**

Id: 115112  
Description: Soil Preparation, Planting, and Cultivating NAICS  
Last Modified: Not reported

State Id: Not reported  
Fire District: Denmark Fire Department  
Site Map: Not reported  
Site Coord Abbreviation: Not reported  
Date Signed: 01/14/2008  
Date Modified: 02/25/2015  
Dike Or Other Safeguard: Not reported  
Mailing Address: PO BOX 92  
Mail City: WEVER  
Mail State: IA  
Mail Zip: 52658  
Latitude: 40.74292  
Longitude: -91.32933  
Notes: Not reported

Contact:  
Report Year: 2014  
Contact Id: 146618  
Date Modified: Not reported  
First Name: Craig  
Last Name: Pollpeter  
Title: Not reported  
Email: craigsag@qwestoffice.net  
Address: 1735 346th Ave  
City: Wever  
Country: US  
State: IA  
Zip Code: 52658  
Type1: Owner / Operator  
Last Modified: Not reported  
Telephone: Not reported  
Telephone Type: Not reported

Chemical:  
Report Year: 2014  
Chem Inv Record Id: 14439  
CICAS: 7664-41-7  
EHS Chemical: True  
Chemical Name: AMMONIA  
Acute: Not reported  
Ave Amount: 220000  
Ave Amount Code: Not reported  
Max Amount: 500000  
Max Amount Code: Not reported  
Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 365  
Fire: Not reported  
Gas: True  
Liquid: Not reported  
Mixture: Not reported  
Pressure: True  
Pure: True  
Reactive: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGRINEED INC (Continued)**

**S109945206**

Solid:	Not reported
Trade Secret:	Not reported
Chemical Loc:	
Report Year:	2014
Record Key:	21235
Chem Inv Record Id:	14439
Type Code:	Above ground tank
Pressure Code:	Ambient pressure
Temperature Code:	Ambient temperature
Location:	Not reported
Date Last Modified:	Not reported
Amount:	Not reported
Report Year:	2014
Record Key:	32892
Chem Inv Record Id:	14439
Type Code:	Tank wagon
Pressure Code:	Ambient pressure
Temperature Code:	Ambient temperature
Location:	Not reported
Date Last Modified:	Not reported
Amount:	Not reported
Report Year:	2014
Chem Inv Record Id:	50689
CICAS:	1929-82-4
EHS Chemical:	Not reported
Chemical Name:	N-Serve nitrogen stabilizer
Acute:	Not reported
Ave Amount:	7500
Ave Amount Code:	Not reported
Max Amount:	20000
Max Amount Code:	Not reported
Chronic:	Not reported
Last Modified:	Not reported
Days On Site:	365
Fire:	True
Gas:	Not reported
Liquid:	True
Mixture:	True
Pressure:	Not reported
Pure:	Not reported
Reactive:	Not reported
Solid:	Not reported
Trade Secret:	Not reported
Chemical Loc:	
Report Year:	2014
Record Key:	65319
Chem Inv Record Id:	50689
Type Code:	Other
Pressure Code:	Ambient Pressure
Temperature Code:	Ambient temperature
Location:	Not reported
Date Last Modified:	Not reported
Amount:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGRINEED INC (Continued)**

**S109945206**

Report Year: 2013  
Facility Id: 2840  
State Id: Not reported  
Fire District: Denmark Fire Department  
Site Map: Not reported  
Site Coord Abbreviation: Not reported  
Date Signed: 01/14/2008  
Date Modified: 02/28/2014  
Dike Or Other Safeguard: Not reported  
Mailing Address: PO BOX 92  
Mail City: WEVER  
Mail State: IA  
Mail Zip: 52658  
Latitude: 40.74292  
Longitude: -91.32933  
Notes: Not reported

Report Year: 2012  
Facility Id: FAIDSIT2A00002840  
State Id: Not reported  
Fire District: Denmark Fire Department  
Site Map: False  
Site Coord Abbreviation: False  
Date Signed: 01/01/1900  
Date Modified: 02/25/2011  
Dike Or Other Safeguard: False  
Mailing Address: PO BOX 92  
Mail City: WEVER  
Mail State: IA  
Mail Zip: 52658  
Latitude: 40.74292  
Longitude: -91.32933  
Notes: Not reported

Report Year: 2012  
Facility Id: FAIDSIT2A00002840  
State Id: Not reported  
Fire District: Denmark Fire Department  
Site Map: False  
Site Coord Abbreviation: False  
Date Signed: 02/28/2013  
Date Modified: 02/25/2011  
Dike Or Other Safeguard: False  
Mailing Address: PO BOX 92  
Mail City: WEVER  
Mail State: IA  
Mail Zip: 52658  
Latitude: 40.74292  
Longitude: -91.32933  
Notes: Not reported

Report Year: 2010  
Facility Id: FAIDSIT2A00002840  
State Id: Not reported  
Fire District: Denmark Fire Department  
Site Map: False  
Site Coord Abbreviation: False



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGRINEED INC (Continued)**

**S109945206**

Date Signed: 2011-02-25T17:04:57  
Date Modified: 3/30/2011  
Dike Or Other Safeguard: False  
Mailing Address: PO BOX 92  
Mail City: WEVER  
Mail State: IA  
Mail Zip: 52658  
Latitude: 40.742922  
Longitude: -91.329335  
Notes: Not reported

Report Year: 2009  
Facility Id: FAIDSIT2A00002840  
State Id: IA  
Fire District: Denmark Fire Department  
Site Map: False  
Site Coord Abbreviation: False  
Date Signed: 2010-02-24T11:18:27  
Date Modified: 2010-02-24T10:42:58  
Dike Or Other Safeguard: False  
Mailing Address: PO BOX 92  
Mail City: WEVER  
Mail State: IA  
Mail Zip: 52658  
Latitude: 40.742922  
Longitude: -91.329335  
Notes: Not reported

**Z217**  
**SW**  
**> 1**  
**4.884 mi.**  
**25789 ft.**

**AGRINEED, INC. DENMARK**  
**1514 303RD AVENUE**  
**DENMARK, IA 52624**  
**Site 2 of 8 in cluster Z**

**RMP 1016171399**  
**N/A**

**Relative:**  
**Higher**

RMP:

**Actual:**  
**712 ft.**

Facility ID: 1000028378  
LEPC city: Lee County LEPC  
Facility decimal latitude: 40.737500  
Facility decimal longitude: -091.326944  
Is facility in county box: T  
LatLong method: I2  
LatLong description: LF  
Home page web address: Not reported  
Facility telephone: Not reported  
Facility email: craigsag@qwestoffice.net  
Facility DUNS #: 0  
Parent's name: Not reported  
Partner's name: Not reported  
Parent's DUNS #: 0  
Partner's DUNS #: 0  
Operator's name: Dirk Wellman  
Operator's telephone: 3195284407  
Operator's address: 1514 303rd Avenue  
Operator's address2: P O Box 167  
Operators City,St,Zip: Denmark, IA 52624 1514  
RMP implementation contact: Craig Pollpeter  
RMP contact title: Owner  
Emergency contact: Dirk Wellman

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGRINEED, INC. DENMARK (Continued)**

**1016171399**

Emergency contact title: Manager  
Emergency contact telephone: 3195284407  
24 hour emergency telephone: 3194702184  
Emergency contact ext/pin #: Not reported  
Number of full time employees: 1  
EPA ID: Not reported  
Facility ID provided by CEPPO: 100000102836  
Is facility covered by OSHA PSM: F  
Is facility covered by EPCRA 302: T  
Is fac. covered by CAA Title V 112(2): F  
Clean air op. permit/State ID: Not reported  
Last safety insp. dat: 2011-08-11 00:00:00  
Inspected by: Iowa Department of Agriculture  
Is it OSHA approved with star/merit ranking: False  
Will RMP involve predictive filing: False  
Submission type: Resubmission  
RMP description: Submit 06/14/2004 / Re-Submit 05/22/2007  
Facility has no accident hist. recs: False  
Foreign owner's address: Not reported  
Foreign owner's zip: Not reported  
Foreign owner's country: Not reported  
Claim # of employees as CBI: False  
Date RMP accepted by EPA: 2012-05-18 00:00:00  
Date of error Report: Not reported  
Date RMP received: 2012-05-18 00:00:00  
Does RMP contain graphics files: False  
Does RMP contain attachments: False  
Was certification letter received: True  
RMP submission method: RMP\*eSubmit  
Does RMP contain CBI substantiation: False  
Does RMP contain electronic waiver: False  
Date RMP postmarked: 2012-05-18 00:00:00  
Is RMP complete: True  
Date of de-registration: Not reported  
Date de-registration is effective: Not reported  
Anniversary date: 2017-05-18 00:00:00  
Does RMP contain CBI data: False  
Does RMP contain unsanitized CBI version: False  
RMP version #: 3.8  
FRS latitude: 40.740780000000001  
FRS longitude: -91.333309999999997  
FRS Description: LOADING FACILITY  
FRS Method: GPS CARRIER PHASE STATIC RELATIVE POSITION

RMP:

Process ID: 1000034586  
NA & Industry Classification Sys.code(s): 42491  
NAICS code description: 42491  
Optional facility description: ammonia  
Program level: 2  
Record contains CBI data: False

RMP:

Chemical name: Ammonia (anhydrous)  
Process chemical qty in 100s lbs: 510000  
Process flammable chemical name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGRINEED, INC. DENMARK (Continued)**

**1016171399**

RMP:

Percent weight of chemical: Not reported  
Physical state: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: Not reported  
Stability class: Not reported  
Topography: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Not reported

RMP:

Percent weight of chemical: Not reported  
Physical state: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: Not reported  
Stability class: Not reported  
Topography: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported

RMP:

Endpoint used: Not reported  
LFL value: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Not reported

RMP:

Analytical basic: Not reported  
Quantity released in pounds: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Safety review date: Not reported  
Most recent PHA date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGRINEED, INC. DENMARK (Continued)**

**1016171399**

Process Hazard Analysis: Not reported  
Expected PHA changes completion date: Not reported  
Major Hazard: Not reported  
Process Control: Not reported  
Mitigation Systems: Not reported  
Monitoring/Detection: Not reported  
Changes since the last process hazard analysis: Not reported  
Most recent review of op. procedures: Not reported  
Most recent training progs review/update: Not reported  
Training: Not reported  
Competency testing: Not reported  
Most recent maintenance review date: Not reported  
Most recent equipment inspection date: Not reported  
Equipment tested: Not reported  
Most recent changes by mgmt: Not reported  
Date of most recent review/update: Not reported  
Date of pre-start review: Not reported  
Most recent compliance audit date: Not reported  
Expected date of audit completion: Not reported  
Most recent incident investigation: Not reported  
Expected date of investigation changes: Not reported  
Date of participation plan review: Not reported  
Date of hot work permit review: Not reported  
Date of contractor safety review: Not reported  
Date of contractor safety eval. review: Not reported  
Record has CBI data: Not reported  
Safety review date: Not reported  
Federal Regulation: Not reported  
Federal regulation comment: Not reported  
Major Hazard: Not reported  
Process Control: Not reported  
Mitigation Systems: Not reported  
Monitoring/Detection: Not reported  
Changes since the last process hazard analysis: Not reported  
Most recent hazard review/update: Not reported  
Most recent review of op. procedures: Not reported  
Most recent training progs review/update: Not reported  
Expected completion of review changes: Not reported  
Training: Not reported  
Competency testing: Not reported  
Most recent maintenance review date: Not reported  
Most recent equipment inspection date: Not reported  
Equipment tested: Not reported  
Most recent compliance audit date: Not reported  
Expected date of audit completion: Not reported  
Most recent incident investigation: Not reported  
Expected date of investigation changes: Not reported  
Record has CBI data: Not reported  
Date of most recent changes: Not reported  
Chemical name: Public OCA Chemical  
Process chemical qty in 100s lbs: 0  
Process flammable chemical name: Not reported

**RMP:**

Percent weight of chemical: Not reported  
Physical state: c  
Analytical basis: The Fertilizer Institute DEGADIS  
Scenario: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGRINEED, INC. DENMARK (Continued)**

**1016171399**

Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: 3  
Stability class: D  
Topography: a  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Excess flow valve, Administrative controls (operation procedures in place). Remote manual shut-off valve & In-line excess flow automatic shut-down valves & load-out riser breakaway systems

**RMP:**

Percent weight of chemical: Not reported  
Physical state: c  
Analytical basic: The Fertilizer Institute DEGADIS  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: 10  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: 1.5  
Stability class: F  
Topography: a  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported

**RMP:**

Endpoint used: Not reported  
LFL value: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Not reported

**RMP:**

Analytical basic: Not reported  
Quantity released in pounds: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Safety review date: Not reported  
Most recent PHA date: Not reported  
Process Hazard Analysis: Not reported  
Expected PHA changes completion date: Not reported  
Major Hazard: Not reported  
Process Control: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AGRINEED, INC. DENMARK (Continued)**

**1016171399**

Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	Not reported
Date of pre-start review:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	Not reported
Date of hot work permit review:	Not reported
Date of contractor safety review:	Not reported
Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Expected completion of review changes:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	Not reported
Date of most recent changes:	Not reported
<b>RMP:</b>	
ER plan:	Not reported
ER plan most recent review date:	Not reported
ER plan most recent employee training date:	Not reported
Local agency coordinating ER plan:	Lee County LEPC
Telephone of the coordinating local agency:	3193724124
Federal regulation:	True
OSHA 1910 120:	False
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	True

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGRINEED, INC. DENMARK (Continued)**

**1016171399**

Other Regulations: Not reported

**Z218**  
**SW**  
**> 1**  
**4.884 mi.**  
**25789 ft.**

**1514 303RD AVE**  
**DENMARK, IA**  
**Site 3 of 8 in cluster Z**

**ERNS 99625185**  
**N/A**

**Relative:**  
**Higher**

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

**Actual:**  
**712 ft.**  
**Z219**  
**SW**  
**> 1**  
**4.884 mi.**  
**25789 ft.**

**AGRINEED, INC. DENMARK**  
**1514 303RD AVENUE**  
**DENMARK, IA 52624**  
**Site 4 of 8 in cluster Z**

**RMP 1011814573**  
**N/A**

**Relative:**  
**Higher**

RMP:

Facility ID:	36725
LEPC city:	Lee County LEPC
Facility decimal latitude:	40.737500
Facility decimal longitude:	-091.326944
Is facility in county box:	T
LatLong method:	I2
LatLong description:	LF
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	craigsag@interlink.net
Facility DUNS #:	0
Parent's name:	Not reported
Partner's name:	Not reported
Parent's DUNS #:	0
Partner's DUNS #:	0
Operator's name:	Dirk Wellman
Operator's telephone:	3195284407
Operator's address:	1514 303rd Avenue
Operator's address2:	P O Box 167
Operators City,St,Zip:	Denmark, IA 52624 1514
RMP implementation contact:	Craig Pollpeter
RMP contact title:	Owner
Emergency contact:	Dirk Wellman
Emergency contact title:	Manager
Emergency contact telephone:	3195284407
24 hour emergency telephone:	3195284231
Emergency contact ext/pin #:	Not reported
Number of full time employees:	1
EPA ID:	Not reported
Facility ID provided by CEPP0:	100000102836
Is facility covered by OSHA PSM:	F
Is facility covered by EPCRA 302:	T
Is fac. covered by CAA Title V 112(2):	F
Clean air op. permit/State ID:	Not reported
Last safety insp. dat:	2003-09-10 00:00:00
Inspected by:	Iowa Department of Agriculture
Is it OSHA approved with star/merit ranking:	False
Will RMP involve predictive filing:	False
Submission type:	Resubmission

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGRINEED, INC. DENMARK (Continued)**

**1011814573**

RMP description: Submitted 06/17/2004  
Facility has no accident hist. recs: False  
Foreign owner's address: Not reported  
Foreign owner's zip: Not reported  
Foreign owner's country: Not reported  
Claim # of employees as CBI: False  
Date RMP accepted by EPA: 2004-08-10 00:00:00  
Date of error Report: Not reported  
Date RMP received: 2004-06-22 00:00:00  
Does RMP contain graphics files: False  
Does RMP contain attachments: False  
Was certification letter received: True  
RMP submission method: RMP\*Submit  
Does RMP contain CBI substantiation: False  
Does RMP contain electronic waiver: False  
Date RMP postmarked: 2004-06-17 00:00:00  
Is RMP complete: True  
Date of de-registration: Not reported  
Date de-registration is effective: Not reported  
Anniversary date: 2009-06-17 00:00:00  
Does RMP contain CBI data: False  
Does RMP contain unsanitized CBI version: False  
RMP version #: 3.2  
FRS latitude: 40.740780000000001  
FRS longitude: -91.333309999999997  
FRS Description: LOADING FACILITY  
FRS Method: GPS CARRIER PHASE STATIC RELATIVE POSITION

RMP:

Process ID: 52925  
NA & Industry Classification Sys.code(s): 42491  
NAICS code description: 42491  
Optional facility description: ammonia  
Program level: 2  
Record contains CBI data: False

RMP:

Chemical name: Public OCA Chemical  
Process chemical qty in 100s lbs: 0  
Process flammable chemical name: Not reported

RMP:

Percent weight of chemical: Not reported  
Physical state: c  
Analytical basis: The Fertilizer Institute DEGADIS  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: 3  
Stability class: D  
Topography: a  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Excess flow valve



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGRINEED, INC. DENMARK (Continued)**

**1011814573**

RMP:

Percent weight of chemical: Not reported  
Physical state: c  
Analytical basic: The Fertilizer Institute DEGADIS  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: 10  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: 1.5  
Stability class: F  
Topography: a  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported

RMP:

Endpoint used: Not reported  
LFL value: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Not reported

RMP:

Analytical basic: Not reported  
Quantity released in pounds: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Safety review date: Not reported  
Most recent PHA date: Not reported  
Process Hazard Analysis: Not reported  
Expected PHA changes completion date: Not reported  
Major Hazard: Not reported  
Process Control: Not reported  
Mitigation Systems: Not reported  
Monitoring/Detection: Not reported  
Changes since the last process hazard analysis: Not reported  
Most recent review of op. procedures: Not reported  
Most recent training progs review/update: Not reported  
Training: Not reported  
Competency testing: Not reported  
Most recent maintenance review date: Not reported  
Most recent equipment inspection date: Not reported  
Equipment tested: Not reported  
Most recent changes by mgmt: Not reported  
Date of most recent review/update: Not reported  
Date of pre-start review: Not reported  
Most recent compliance audit date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGRINEED, INC. DENMARK (Continued)**

**1011814573**

Expected date of audit completion: Not reported  
Most recent incident investigation: Not reported  
Expected date of investigation changes: Not reported  
Date of participation plan review: Not reported  
Date of hot work permit review: Not reported  
Date of contractor safety review: Not reported  
Date of contractor safety eval. review: Not reported  
Record has CBI data: Not reported  
Safety review date: Not reported  
Federal Regulation: Not reported  
Federal regulation comment: Not reported  
Major Hazard: Not reported  
Process Control: Not reported  
Mitigation Systems: Not reported  
Monitoring/Detection: Not reported  
Changes since the last process hazard analysis: Not reported  
Most recent hazard review/update: Not reported  
Most recent review of op. procedures: Not reported  
Most recent training progs review/update: Not reported  
Expected completion of review changes: Not reported  
Training: Not reported  
Competency testing: Not reported  
Most recent maintenance review date: Not reported  
Most recent equipment inspection date: Not reported  
Equipment tested: Not reported  
Most recent compliance audit date: Not reported  
Expected date of audit completion: Not reported  
Most recent incident investigation: Not reported  
Expected date of investigation changes: Not reported  
Record has CBI data: Not reported  
Date of most recent changes: Not reported  
Chemical name: Ammonia (anhydrous)  
Process chemical qty in 100s lbs: 455000  
Process flammable chemical name: Not reported

**RMP:**

Percent weight of chemical: Not reported  
Physical state: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: Not reported  
Stability class: Not reported  
Topography: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Not reported

**RMP:**

Percent weight of chemical: Not reported  
Physical state: Not reported  
Analytical basic: Not reported  
Scenario: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGRINEED, INC. DENMARK (Continued)**

**1011814573**

Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: Not reported  
Stability class: Not reported  
Topography: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported

RMP:

Endpoint used: Not reported  
LFL value: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Not reported

RMP:

Analytical basic: Not reported  
Quantity released in pounds: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Safety review date: Not reported  
Most recent PHA date: Not reported  
Process Hazard Analysis: Not reported  
Expected PHA changes completion date: Not reported  
Major Hazard: Not reported  
Process Control: Not reported  
Mitigation Systems: Not reported  
Monitoring/Detection: Not reported  
Changes since the last process hazard analysis: Not reported  
Most recent review of op. procedures: Not reported  
Most recent training progs review/update: Not reported  
Training: Not reported  
Competency testing: Not reported  
Most recent maintenance review date: Not reported  
Most recent equipment inspection date: Not reported  
Equipment tested: Not reported  
Most recent changes by mgmt: Not reported  
Date of most recent review/update: Not reported  
Date of pre-start review: Not reported  
Most recent compliance audit date: Not reported  
Expected date of audit completion: Not reported  
Most recent incident investigation: Not reported  
Expected date of investigation changes: Not reported  
Date of participation plan review: Not reported  
Date of hot work permit review: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AGRINEED, INC. DENMARK (Continued)**

**1011814573**

Date of contractor safety review:	Not reported
Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Expected completion of review changes:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	Not reported
Date of most recent changes:	Not reported
<b>RMP:</b>	
ER plan:	Not reported
ER plan most recent review date:	Not reported
ER plan most recent employee training date:	Not reported
Local agency coordinating ER plan:	Lee County LEPC
Telephone of the coordinating local agency:	3193724124
Federal regulation:	True
OSHA 1910 120:	False
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	True
Other Regulations:	Not reported
<b>RMP:</b>	
Facility ID:	48369
LEPC city:	Lee County LEPC
Facility decimal latitude:	40.737500
Facility decimal longitude:	-091.326944
Is facility in county box:	T
LatLong method:	I2
LatLong description:	LF
Home page web address:	Not reported
Facility telephone:	Not reported
Facility email:	craigsag@interlink.net
Facility DUNS #:	0
Parent's name:	Not reported
Partner's name:	Not reported
Parent's DUNS #:	0
Partner's DUNS #:	0

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGRINEED, INC. DENMARK (Continued)**

**1011814573**

Operator's name: Dirk Wellman  
Operator's telephone: 3195284407  
Operator's address: 1514 303rd Avenue  
Operator's address2: P O Box 167  
Operators City,St,Zip: Denmark, IA 52624 1514  
RMP implementation contact: Craig Pollpeter  
RMP contact title: Owner  
Emergency contact: Dirk Wellman  
Emergency contact title: Manager  
Emergency contact telephone: 3195284407  
24 hour emergency telephone: 3195284231  
Emergency contact ext/pin #: Not reported  
Number of full time employees: 1  
EPA ID: Not reported  
Facility ID provided by CEPP0: 100000102836  
Is facility covered by OSHA PSM: F  
Is facility covered by EPCRA 302: T  
Is fac. covered by CAA Title V 112(2): F  
Clean air op. permit/State ID: Not reported  
Last safety insp. dat: 2006-10-10 00:00:00  
Inspected by: Iowa Department of Agriculture  
Is it OSHA approved with star/merit ranking: False  
Will RMP involve predictive filing: False  
Submission type: Resubmission  
RMP description: Submit 06/14/2004 / Re-Submit 05/22/2007  
Facility has no accident hist. recs: False  
Foreign owner's address: Not reported  
Foreign owner's zip: Not reported  
Foreign owner's country: Not reported  
Claim # of employees as CBI: False  
Date RMP accepted by EPA: 2007-05-31 00:00:00  
Date of error Report: Not reported  
Date RMP received: 2007-05-30 00:00:00  
Does RMP contain graphics files: False  
Does RMP contain attachments: False  
Was certification letter received: True  
RMP submission method: RMP\*Submit  
Does RMP contain CBI substantiation: False  
Does RMP contain electronic waiver: False  
Date RMP postmarked: 2007-05-24 00:00:00  
Is RMP complete: True  
Date of de-registration: Not reported  
Date de-registration is effective: Not reported  
Aniversary date: 2012-05-24 00:00:00  
Does RMP contain CBI data: False  
Does RMP contain unsanitized CBI version: False  
RMP version #: 3.8  
FRS latitude: 40.740780000000001  
FRS longitude: -91.333309999999997  
FRS Description: LOADING FACILITY  
FRS Method: GPS CARRIER PHASE STATIC RELATIVE POSITION

**RMP:**

Process ID: 70157  
NA & Industry Classification Sys.code(s): 42491  
NAICS code description: 42491  
Optional facility description: ammonia

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGRINEED, INC. DENMARK (Continued)**

**1011814573**

Program level: 2  
Record contains CBI data: False

RMP:

Chemical name: Public OCA Chemical  
Process chemical qty in 100s lbs: 0  
Process flammable chemical name: Not reported

RMP:

Percent weight of chemical: Not reported  
Physical state: c  
Analytical basic: The Fertilizer Institute DEGADIS  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: 3  
Stability class: D  
Topography: a  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Excess flow valve, Remote manual shut-off valve & In-line excess flow automatic shut-down valves & load-out riser breakaway systems

RMP:

Percent weight of chemical: Not reported  
Physical state: c  
Analytical basic: The Fertilizer Institute DEGADIS  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: 10  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: 1.5  
Stability class: F  
Topography: a  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported

RMP:

Endpoint used: Not reported  
LFL value: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Not reported

RMP:

Analytical basic: Not reported  
Quantity released in pounds: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGRINEED, INC. DENMARK (Continued)**

**1011814573**

Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Safety review date: Not reported  
Most recent PHA date: Not reported  
Process Hazard Analysis: Not reported  
Expected PHA changes completion date: Not reported  
Major Hazard: Not reported  
Process Control: Not reported  
Mitigation Systems: Not reported  
Monitoring/Detection: Not reported  
Changes since the last process hazard analysis: Not reported  
Most recent review of op. procedures: Not reported  
Most recent training progs review/update: Not reported  
Training: Not reported  
Competency testing: Not reported  
Most recent maintenance review date: Not reported  
Most recent equipment inspection date: Not reported  
Equipment tested: Not reported  
Most recent changes by mgmt: Not reported  
Date of most recent review/update: Not reported  
Date of pre-start review: Not reported  
Most recent compliance audit date: Not reported  
Expected date of audit completion: Not reported  
Most recent incident investigation: Not reported  
Expected date of investigation changes: Not reported  
Date of participation plan review: Not reported  
Date of hot work permit review: Not reported  
Date of contractor safety review: Not reported  
Date of contractor safety eval. review: Not reported  
Record has CBI data: Not reported  
Safety review date: Not reported  
Federal Regulation: Not reported  
Federal regulation comment: Not reported  
Major Hazard: Not reported  
Process Control: Not reported  
Mitigation Systems: Not reported  
Monitoring/Detection: Not reported  
Changes since the last process hazard analysis: Not reported  
Most recent hazard review/update: Not reported  
Most recent review of op. procedures: Not reported  
Most recent training progs review/update: Not reported  
Expected completion of review changes: Not reported  
Training: Not reported  
Competency testing: Not reported  
Most recent maintenance review date: Not reported  
Most recent equipment inspection date: Not reported  
Equipment tested: Not reported  
Most recent compliance audit date: Not reported  
Expected date of audit completion: Not reported  
Most recent incident investigation: Not reported  
Expected date of investigation changes: Not reported  
Record has CBI data: Not reported  
Date of most recent changes: Not reported  
Chemical name: Ammonia (anhydrous)

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGRINEED, INC. DENMARK (Continued)**

**1011814573**

Process chemical qty in 100s lbs: 485000  
Process flammable chemical name: Not reported

RMP:

Percent weight of chemical: Not reported  
Physical state: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: Not reported  
Stability class: Not reported  
Topography: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Not reported

RMP:

Percent weight of chemical: Not reported  
Physical state: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Release duration in minutes: Not reported  
Release rate in pounds per second: Not reported  
Wind speed in meters/second: Not reported  
Stability class: Not reported  
Topography: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported

RMP:

Endpoint used: Not reported  
LFL value: Not reported  
Analytical basic: Not reported  
Scenario: Not reported  
Quantity released in pounds: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported  
Active mitigation: Not reported

RMP:

Analytical basic: Not reported  
Quantity released in pounds: Not reported  
Distance to endpoint in miles: Not reported  
Residential population: Not reported  
Public receptors: Not reported  
Environmental receptors: Not reported  
Passive mitigation: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AGRINEED, INC. DENMARK (Continued)**

**1011814573**

Safety review date:	Not reported
Most recent PHA date:	Not reported
Process Hazard Analysis:	Not reported
Expected PHA changes completion date:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent changes by mgmt:	Not reported
Date of most recent review/update:	Not reported
Date of pre-start review:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Date of participation plan review:	Not reported
Date of hot work permit review:	Not reported
Date of contractor safety review:	Not reported
Date of contractor safety eval. review:	Not reported
Record has CBI data:	Not reported
Safety review date:	Not reported
Federal Regulation:	Not reported
Federal regulation comment:	Not reported
Major Hazard:	Not reported
Process Control:	Not reported
Mitigation Systems:	Not reported
Monitoring/Detection:	Not reported
Changes since the last process hazard analysis:	Not reported
Most recent hazard review/update:	Not reported
Most recent review of op. procedures:	Not reported
Most recent training progs review/update:	Not reported
Expected completion of review changes:	Not reported
Training:	Not reported
Competency testing:	Not reported
Most recent maintenance review date:	Not reported
Most recent equipment inspection date:	Not reported
Equipment tested:	Not reported
Most recent compliance audit date:	Not reported
Expected date of audit completion:	Not reported
Most recent incident investigation:	Not reported
Expected date of investigation changes:	Not reported
Record has CBI data:	Not reported
Date of most recent changes:	Not reported
RMP:	
ER plan:	Not reported
ER plan most recent review date:	Not reported
ER plan most recent employee training date:	Not reported
Local agency coordinating ER plan:	Lee County LEPC
Telephone of the coordinating local agency:	3193724124

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**AGRINEED, INC. DENMARK (Continued)**

**1011814573**

Federal regulation:	True
OSHA 1910 120:	False
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	True
Other Regulations:	Not reported

**Z220**  
**SW**  
 > 1  
 4.884 mi.  
 25789 ft.

**AGRINEED INC**  
**1514 303RD AVENUE**  
**DENMARK, IA 52624**

**FINDS 1014700567**  
**N/A**

**Site 5 of 8 in cluster Z**

**Relative:**  
**Higher**

**FINDS:**

Registry ID: 110043623656

**Actual:**  
**712 ft.**

Environmental Interest/Information System

IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

**Z221**  
**SW**  
 > 1  
 4.884 mi.  
 25789 ft.

**1514 303RD AVE.**  
**DENMARK, IA**

**ERNS 99653246**  
**N/A**

**Site 6 of 8 in cluster Z**

**Relative:**  
**Higher**

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

**Actual:**  
**712 ft.**  
**Z222**  
**SW**  
 > 1  
 4.884 mi.  
 25789 ft.

**NEW LONDON FARMERS COOP**  
**1514 303RD AVE**  
**DENMARK, IA 52624**

**RCRA NonGen / NLR 1000124472**  
**IAD083492272**

**Site 7 of 8 in cluster Z**

**Relative:**  
**Higher**

**RCRA NonGen / NLR:**

Date form received by agency: 03/08/1994  
 Facility name: NEW LONDON FARMERS COOP  
 Facility address: 1514 303RD AVE  
 DENMARK, IA 52624  
 EPA ID: IAD083492272  
 Mailing address: PO 167  
 DENMARK, IA 52624  
 Contact: ROBERT BLINT  
 Contact address: 1514 303RD AVE  
 DENMARK, IA 52624  
 Contact country: US  
 Contact telephone: (319) 528-4407  
 Contact email: Not reported  
 EPA Region: 07  
 Land type: Private  
 Classification: Non-Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NEW LONDON FARMERS COOP (Continued)**

**1000124472**

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NEW LONDON FARMERS COOPERATIVE  
Owner/operator address: PO BOX 98  
NEW LONDON, IA 52624  
Owner/operator country: Not reported  
Owner/operator telephone: (319) 367-2236  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No  
Recycler of hazardous waste: No  
Transporter of hazardous waste: No  
Treater, storer or disposer of HW: No  
Underground injection activity: No  
On-site burner exemption: No  
Furnace exemption: No  
Used oil fuel burner: No  
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: NONE  
. Waste name: None

Historical Generators:

Date form received by agency: 03/08/1994  
Site name: NEW LONDON FARMERS COOP  
Classification: Not a generator, verified

. Waste code: UOIL  
. Waste name: UOIL

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/08/1994  
Evaluation: FOCUSED COMPLIANCE INSPECTION  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA Contractor/Grantee

MAP FINDINGS

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

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<b>Z223</b> <b>SW</b> > 1 4.884 mi. 25789 ft.	<b>AGRILIANCE LLC - DENMARK</b> <b>1514 303RD AVENUE</b> <b>DENMARK, IA 52624</b>  <b>Site 8 of 8 in cluster Z</b>	<b>FINDS</b>	<b>1016107934</b> <b>N/A</b>
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<b>Relative:</b> <b>Higher</b>	<b>FINDS:</b>  Registry ID: 110000520197  Environmental Interest/Information System RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.		
<b>Actual:</b> <b>712 ft.</b>			

---

<b>224</b> <b>NNE</b> > 1 4.890 mi. 25818 ft.	<b>11686 BEAVERDALE RD APT 37</b> <b>11686 BEAVERDALE RD APT 37</b> <b>WEST BURLINGTON, IA</b>	<b>US HIST CDL</b>	<b>1009622189</b> <b>N/A</b>
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<b>Relative:</b> <b>Higher</b>	<b>US HIST CDL:</b> Seizure Date: 2005-05-05		
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**Actual:**  
**700 ft.**

<b>225</b> <b>SW</b> > 1 4.892 mi. 25828 ft.	<b>BOHNENKAMP'S</b> <b>351 ACADEMY</b> <b>DENMARK, IA 52624</b>	<b>IA LUST</b> <b>IA UST</b>	<b>U003171899</b> <b>N/A</b>
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<b>Relative:</b> <b>Higher</b>	<b>LUST:</b> Facility ID: 4787 Spill Number: Not reported Occur Date: Not reported Discover Date: Not reported Discover Time: Not reported Record Date: 11/19/1990 Leak Number: 8LTH74 Loc ID: 67275 Ust ID: 10716 Latitude: 40.74196 Longitude: -91.33243 Start Date: 11/28/1990 Spill Date: Not reported Date Occurred Time: Not reported Lead ID: 5 Coordinator ID: 11 Staff ID: 11 Discover Method ID: 5 Leak Status: Unknown Tanks Removed: Not reported Created Date: 01/08/2007 Created By: migration Last Changed: 01/08/2007		
<b>Actual:</b> <b>711 ft.</b>			

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BOHNENKAMP'S (Continued)**

**U003171899**

Changed By: migration

Lust Status:

ID:	4789
Site Leak Number:	8LTH74
Discovered During:	Other
Tanks Removed:	00
Leak Cause:	UNK
Gas:	Yes
Diesel:	Not reported
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:	Unknown
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:

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BOHNENKAMP'S (Continued)**

U003171899

Release Cause: Unknown

Lust Misc:

Misc Due Date: 08/31/1991                      Misc Rec Date: 08/26/1991  
 Misc Other: Not reported                      Misc Title: Not reported

Misc Due Date: Not reported                      Misc Rec Date: 05/22/2000  
 Misc Other: Not reported                      Misc Title: MTBE WORKSHEET & DISK

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: 05/26/2000  
 T2 Received: 05/22/2000  
 T2 Accepted: 07/14/2000  
 T2 Rejected: Not reported  
 T2 Reviewed: VKS

Lust Administration:

ID: 4789  
 Owner Identified: Yes  
 Responsible Party Found: Yes  
 RP Date: 11/28/1990  
 Owner Broke: No  
 ER Date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BOHNENKAMP'S (Continued)**

**U003171899**

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:	4789
Site Assesment Start Date:	04/10/1992
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:	1992-04-06
Cleanup Complete Date:	2004-07-27
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:	2004-07-27
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:	High Risk
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:	High Risk
T2 SW General Use:	NFA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BOHNENKAMP'S (Continued)**

**U003171899**

T2 SW Designated Use: NFA  
T2 Soil Leaching to GW: NFA  
T2 Soil Vapor to Enclosed Space: Low Risk  
T2 Soil to Plastic Line: NFA  
Institutional Control Obtained: False  
NFA Certificate Sent: Not reported  
**No Action Required: False**  
Priority Ranking: 1  
Delete: False  
Track Memo: 02/08/91: CONFIRMATION LETTER SENT. REC'D 2/14/91. RPT DUE 4/16/91.08/19/91: OVERDUE RPT LTR SNT. REC'D 8/21/91. RSPNS DUE 8/31/91.08/26/91: RPT REC'D.09/03/91: REV OF RPT. SOIL CONT. HOLD LTR SENT.03/24/92: REC'D COPY OF TRACER TIGHT TESTS - 3 OF 3 TANKS FAILED.04/06/92: SCR LTR SNT. REC'D 4/10/92. CNSLT DUE 5/10/92. SCR DUE 10/10/92.01/13/93: TE LTR SNT. SCR DUE 6/11/93.07/06/94: TE FROM ATTN.08/26/94: REC'D SCR.04/13/95: SCR REJCTD, REVSD SCR DUE 7/13/95.11/18/96: SCR RCVD.12/27/96: EVAL BY IDNR, FAILED T1.11/19/98: T1 LTR SNT. REC'D 11/21. CNSLT = 12/21. T1 = 2/21/99.(required T2 by 5/19/99 with option of doing a T1)06/28/99: Budget approved for T2. 01/21/00: Budget approved for revisions to the T2.04/05/00: OD letter sent with due date for T2 of 4/20/00.04/21/00: T2 te ltr snt. T2 = 5/26/00.05/22/00: REC'D TIER 2 REPORT & DISK. MTBE WORKSHEET & DISK.07/14/00: T2 rev ltr snt. OK hi. Rec'd 7-17. CADR = 11/20/00.02/27/02: SENT OD CADR LETTER. CADR = 03/15/02. (Green card had not been received by 2/26/03).07/31/02: REC'D SMR. SMR TIER 2 DISK. Request IS made for re-classif (hi to lo).09/12/03: REC'D SMR & SMR DISK. Reqst for re-classif IS made (TO NAR) via gw vapor smping. Bsg06/03/04: SMRs rev ltr snt. Reject. Recd but no date on Green Card. Revsd SMR = 7/19.06/22/04: REC'D SMR. SMR TIER 2 SOFTWARE DISK. SITE RECLASSIFICATION RECOMMENDED FROM HR: INTERIM TO NAR. Bsg7-27-2004: Revsd SMR rev ltr snt. Ok NAR.

UST:

Facility Id: 10716  
Loc Id: 10716  
Registration: 198810868  
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: 02/22/1988  
Created By: migration  
Created Date: 01/08/2007  
Changed By: migration  
Last Changed: 01/08/2007  
Latitude: 40.74196  
Longitude: -91.33243

Tank Info:

Tank Num: 31488



Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BOHNENKAMP'S (Continued)**

**U003171899**

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: 31489  
 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: 31490  
 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

**AA226  
 NE  
 > 1  
 4.944 mi.  
 26104 ft.**

**CITY OF WEST BURLINGTON  
 2000 WEST MOUNT PLEASANT STREET  
 WEST BURLINGTON, IA 52655**

**IA TIER 2 S117665636  
 N/A**

**Site 1 of 2 in cluster AA**

**Relative:  
 Higher**

TIER 2:

Report Year: 2014  
 Facility Id: 3027  
 Id: 9131  
 Description: EXEC & LEGIS OFFICES COMBINED SIC  
 Last Modified: Not reported

**Actual:  
 709 ft.**

Id: 926120  
 Description: Regulation and Administration of Transportation Programs NAICS  
 Last Modified: Not reported

State Id: Not reported  
 Fire District: West Burlington Fire Department  
 Site Map: Not reported  
 Site Coord Abbreviation: Not reported  
 Date Signed: 01/14/2008  
 Date Modified: 02/16/2015  
 Dike Or Other Safeguard: Not reported  
 Mailing Address: 122 Broadway  
 Mail City: West Burlington  
 Mail State: IA  
 Mail Zip: 52655  
 Latitude: 0  
 Longitude: -91.16194  
 Notes: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CITY OF WEST BURLINGTON (Continued)

S117665636

Contact:  
Report Year: 2014  
Contact Id: 121470  
Date Modified: Not reported  
First Name: Randall  
Last Name: Fry  
Title: Not reported  
Email: fryr@westburlington.org  
Address: 122 Broadway  
City: West Burlington  
Country: US  
State: IA  
Zip Code: 52655  
Type1: Owner / Operator  
Last Modified: Not reported  
Telephone: Not reported  
Telephone Type: Not reported

Chemical:  
Report Year: 2014  
Chem Inv Record Id: 15684  
CICAS: 7782-50-5  
EHS Chemical: True  
Chemical Name: CHLORINE  
Acute: Not reported  
Ave Amount: 100  
Ave Amount Code: Not reported  
Max Amount: 100  
Max Amount Code: Not reported  
Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 365  
Fire: Not reported  
Gas: True  
Liquid: True  
Mixture: True  
Pressure: True  
Pure: True  
Reactive: Not reported  
Solid: Not reported  
Trade Secret: Not reported

Report Year: 2014  
Chem Inv Record Id: 15688  
CICAS: N/A  
EHS Chemical: Not reported  
Chemical Name: FILL SAND  
Acute: Not reported  
Ave Amount: 99999999  
Ave Amount Code: Not reported  
Max Amount: 499999999  
Max Amount Code: Not reported  
Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 365  
Fire: Not reported  
Gas: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CITY OF WEST BURLINGTON (Continued)

S117665636

Liquid:	Not reported
Mixture:	Not reported
Pressure:	Not reported
Pure:	True
Reactive:	Not reported
Solid:	True
Trade Secret:	Not reported
Chemical Loc:	
Report Year:	2014
Record Key:	22908
Chem Inv Record Id:	15688
Type Code:	Other
Pressure Code:	Ambient pressure
Temperature Code:	Ambient temperature
Location:	Not reported
Date Last Modified:	Not reported
Amount:	Not reported
Report Year:	2014
Chem Inv Record Id:	15692
CICAS:	N/A
EHS Chemical:	Not reported
Chemical Name:	PRE MIX ASPHALT
Acute:	Not reported
Ave Amount:	99
Ave Amount Code:	Not reported
Max Amount:	999
Max Amount Code:	Not reported
Chronic:	Not reported
Last Modified:	Not reported
Days On Site:	240
Fire:	True
Gas:	Not reported
Liquid:	Not reported
Mixture:	True
Pressure:	Not reported
Pure:	Not reported
Reactive:	True
Solid:	True
Trade Secret:	Not reported
Chemical Loc:	
Report Year:	2014
Record Key:	22912
Chem Inv Record Id:	15692
Type Code:	Other
Pressure Code:	Less than ambient pressure
Temperature Code:	Less than ambient temperature but not cryogenic
Location:	Not reported
Date Last Modified:	Not reported
Amount:	Not reported
Report Year:	2014
Chem Inv Record Id:	15695
CICAS:	N/A

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CITY OF WEST BURLINGTON (Continued)

S117665636

EHS Chemical: Not reported  
Chemical Name: SODIUM CHLORIDE  
Acute: Not reported  
Ave Amount: 9999  
Ave Amount Code: Not reported  
Max Amount: 9999  
Max Amount Code: Not reported  
Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 120  
Fire: Not reported  
Gas: Not reported  
Liquid: Not reported  
Mixture: Not reported  
Pressure: Not reported  
Pure: True  
Reactive: Not reported  
Solid: True  
Trade Secret: Not reported

Chemical Loc:  
Report Year: 2014  
Record Key: 22915  
Chem Inv Record Id: 15695  
Type Code: Steel drum  
Pressure Code: Ambient pressure  
Temperature Code: Ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

Report Year: 2014  
Chem Inv Record Id: 15696  
CICAS: N/A  
EHS Chemical: Not reported  
Chemical Name: TEXACO GASOLINE  
Acute: Not reported  
Ave Amount: 9999  
Ave Amount Code: Not reported  
Max Amount: 9999  
Max Amount Code: Not reported  
Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 365  
Fire: True  
Gas: True  
Liquid: Not reported  
Mixture: True  
Pressure: True  
Pure: Not reported  
Reactive: Not reported  
Solid: Not reported  
Trade Secret: Not reported

Chemical Loc:  
Report Year: 2014  
Record Key: 22916

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

CITY OF WEST BURLINGTON (Continued)

S117665636

Chem Inv Record Id: 15696  
Type Code: Can  
Pressure Code: Ambient pressure  
Temperature Code: Ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

Report Year: 2014  
Chem Inv Record Id: 15697  
CICAS: 64742-65-0  
EHS Chemical: Not reported  
Chemical Name: URSA SUPER PLUS  
Acute: Not reported  
Ave Amount: 99  
Ave Amount Code: Not reported  
Max Amount: 999  
Max Amount Code: Not reported  
Chronic: Not reported  
Last Modified: Not reported  
Days On Site: 365  
Fire: Not reported  
Gas: Not reported  
Liquid: True  
Mixture: True  
Pressure: Not reported  
Pure: Not reported  
Reactive: Not reported  
Solid: Not reported  
Trade Secret: Not reported

Chemical Loc:  
Report Year: 2014  
Record Key: 22917  
Chem Inv Record Id: 15697  
Type Code: Steel drum  
Pressure Code: Ambient pressure  
Temperature Code: Ambient temperature  
Location: Not reported  
Date Last Modified: Not reported  
Amount: Not reported

AA227  
NE  
> 1  
4.944 mi.  
26104 ft.

2000 W MOUNT PLEASANT ST  
WEST BURLINGTON, IA 52655  
Site 2 of 2 in cluster AA

EDR US Hist Auto Stat 1015302865  
N/A

Relative:  
Higher  
Actual:  
709 ft.

EDR Historical Auto Stations:  
Name: BECKMAN TOWING & REPAIR  
Year: 2004  
Address: 2000 W MOUNT PLEASANT ST  
Name: BECKMANS TOWING & REPAIR  
Year: 2007

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015302865

Address: 2000 W MOUNT PLEASANT ST

228  
NW  
> 1  
4.969 mi.  
26238 ft.

TWP. 70N, R4W, SEC. 28  
DES MOINES (County), IA

IA SPILLS S106597984  
N/A

Relative:  
Higher

SPILL:

Actual:  
705 ft.

Facility ID: 10035-SM-0948  
Reported Date: 10/03/1995  
Reported Time: 9:48:00 AM  
Taken By: SUSAN MILLARD  
Spill Date: 10/03/1995  
Spill Time: Not reported  
6 hr Letter: No  
Continuous Release: No  
Incident Location: Not reported  
Incident Mode: Pipeline  
Incident Type: Other  
Incident Medium Land: No  
Incident Medium Water: No  
Incident Medium Air: Yes  
Field Office: Not reported  
Company Name: Not reported  
Company Address1: Not reported  
Company Address2: Not reported  
Company City/State/Zip: Not reported  
Company Phone: Not reported  
Company Fax No: Not reported  
Company Start Date: Not reported  
Company End Date: Not reported  
Company Contact Name: Not reported  
Contact Address1: Not reported  
Company Contact Address2: Not reported  
Company Contact City/State/Zip: Not reported  
Company Contact Phone: Not reported  
Company Contact Fax No: Not reported  
Company Contact Start Date: Not reported  
Company Contact End Date: Not reported  
Initial Instructions: Not reported  
Events: Planned blow down of a section of line will be done sometime today.

229  
NE  
> 1  
4.972 mi.  
26253 ft.

KYLE REID  
10998 WILDLIFE LAKES DR  
WEST BURLINGTON, IA 52655

FINDS 1016793713  
N/A

Relative:  
Higher

FINDS:

Actual:  
699 ft.

Registry ID: 110058402241  
Environmental Interest/Information System  
IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor  
Documentation) provides information about existing emission factors

MAP FINDINGS

Map ID Direction Distance Elevation	Site	Database(s)	EDR ID Number EPA ID Number
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<b>230</b> <b>SSE</b> > 1 4.991 mi. 26350 ft.	<b>BEACH FRONT</b> <b>3541 BLAKSLEE ST</b> <b>WEVER, IA 52658</b>	<b>FINDS</b>	<b>1011270046</b> <b>N/A</b>
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<b>Relative:</b> Lower	FINDS:  Registry ID: 110036226410  Environmental Interest/Information System IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors
<b>Actual:</b> 562 ft.	

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BURLINGTON	S117561590	HENKEL CORPORATION	RR 3 -3 MI N OF 1731 ROOSEVELT	52601	NY MANIFEST
BURLINGTON	1000148175	KOVAL PROPERTY	RR 5 MILL DAM RD HWY 99	52601	CERC-NFRAP
BURLINGTON	1016359787	SHIPLEY CONSTRUCTION COMPANY	3744 HIGHWAY 61 SOUTH	52601	ICIS
BURLINGTON	1016933656	IDEAL READY MIX CO INC - BURLINGTO	3810 HWY 61 (BLOCK PLANT)	52601	US AIRS
BURLINGTON	1014964939	OMG MIDWEST DBA CESSFORD CONST CO.	3851 HWY 61 S & 121ST AVE	52601	FINDS, US AIRS
BURLINGTON	S107669014	IDEAL READY MIX CO., INC. - BURLIN	3810 HWY 61	52601	IA AIRS
BURLINGTON	1000423692	PENSKE TRUCK LEASING CO-FORMER SIT	HWY 99 RT 5 BOX 160-1	52601	RCRA NonGen / NLR
BURLINGTON	S110083820	JIM'S BODY SHOP INC.	17232 HWY 99	52601	IA AIRS
BURLINGTON	U003635932	HERTZ PENSKE LEASING	HIGHWAY 99 NORTH	52601	IA UST, IA Financial Assurance
BURLINGTON	1014626394	IPL-4TH STREET - BURLINGTON	100 BLK OF NORTH 4TH ST	52601	PCB TRANSFORMER
BURLINGTON	1014626336	IPL-AGENCY STREET SUBSTATION	4000 BLK OF AGENCY ST	52601	PCB TRANSFORMER
BURLINGTON	1014625923	IPL-NORTH BURLINGTON SUBSTATION	11000 BLK OF MILL DAM RD	52601	PCB TRANSFORMER
BURLINGTON	1014631186	IPL-AGENCY STREET SUBSTATION	4000 BLK OF AGENCY ST	52601	PCB TRANSFORMER
BURLINGTON	1014631358	IPL-NORTH BURLINGTON SUBSTATION	11000 BLK OF MILL DAM RD	52601	PCB TRANSFORMER
BURLINGTON	1014626047	IES-NORTH BURLINGTON SUBSTAT	11000 BLK OF MILL DAM RD	52601	PCB TRANSFORMER
BURLINGTON	1014626733	IPL-NORTH BURLINGTON SUBSTATION	11000 BLK OF MILL DAM RD	52601	PCB TRANSFORMER
BURLINGTON	1014626664	IPL-AGENCY STREET SUBSTATION	4000 BLK OF AGENCY ST	52601	PCB TRANSFORMER
BURLINGTON	1014626089	IES-AGENCY STREET SUBSTATION	4000 BLK OF AGENCY ST	52601	PCB TRANSFORMER
BURLINGTON	1014631182	IPL-4TH STREET - BURLINGTON	100 BLK OF NORTH 4TH ST	52601	PCB TRANSFORMER
BURLINGTON	1014626339	IPL-4TH STREET - BURLINGTON	100 BLK OF NORTH 4TH ST	52601	PCB TRANSFORMER
BURLINGTON	1014626041	IES-4TH STREET SUBSTATION	100 BLK OF NORTH 4TH ST	52601	PCB TRANSFORMER
BURLINGTON	1014626575	NORTH BURLINGTON	11000 BLK. OF MILL DAM RD.	52601	PCB TRANSFORMER
BURLINGTON	1014626547	4TH STREET	100 BLK. OF NORTH 4TH ST.	52601	PCB TRANSFORMER
BURLINGTON	1014626568	AGENCY ST.	4000 BLK. OF AGENCY ST.	52601	PCB TRANSFORMER
BURLINGTON	1000483767	BURLINGTON COAL GAS	BLUFF RD & HIGH ST HWY 34	52601	CERC-NFRAP
BURLINGTON	S116289963	IOWA MEDICAL WASTE REDUCTION CENTE	1221 S GEAR AVE	52601	IA SWF/LF
BURLINGTON	1003876157	BONEWITZ CHEMICAL SERVICES	S HWY 61	52601	CERC-NFRAP
BURLINGTON	S114014763	CHURCHILL DRUG	100 102 N 4TH ST AND 317 VALLE	52601	IA ALLSITES
BURLINGTON	1000313635	COOK COMPOSITES & POLYMERS-FORMER	OAK ST AND BLUFF RD	52601	RCRA NonGen / NLR
BURLINGTON	S109945598	BURLINGTON MUNICIPAL WATERWORKS RA	100 OAK STREET	52601	IA TIER 2
BURLINGTON	1003876175	BURLINGTON CITY DUMP	E OF HWY 99 N OF	52601	CERC-NFRAP
BURLINGTON	S109944118	FARMERS & MERCHANTS BUILDING CORP	ROOSEVELT AVE & MT PLEASANT ST	52601	IA LUST
BURLINGTON	1015730996	VAN WATERS ROGERS - BURLINGTON	SILVER ST	52601	RCRA-TSDF, CERCLIS, CORRACTS, RCRA NonGen / NLR, 2020 COR ACTION, US FIN ASSUR
BURLINGTON	S111930303	HENNINGSSEN CONSTRUCTION PLANT 1	4182 E SPRING LAKE ROAD STREET	52601	IA TIER 2
DANVILLE	1011835956	RIVER VALLEY COOPERATIVE - DANVILL	20935 HIGHWAY 34	52623	RMP
DANVILLE	1003876069	DANVILLE MILL & SUPPLY CO	HWY 34	52623	CERC-NFRAP, SSTS
DANVILLE	1005433935	NEW LONDON FARMERS COOP	HWY 34	52623	SSTS
DANVILLE	1011814488	AGRILIANCE LLC - DANVILLE	20935 HIGHWAY 34	52623	RMP
DANVILLE	1011826112	GOLDEN FURROW - MT. UNION INC.	19661 HIGHWAY 34	52623	RMP
DANVILLE	1011826116	GOLDEN FURROW - MT. UNION, INC.	19661 HIGHWAY 34	52623	RMP
DANVILLE	1012041482	FARMERS COOPERATIVE ELEVATOR, DANV	202 EAST HWY 43	52623	RMP



## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
DENMARK	1012041419	FARMERS COOP ELEVATOR, DENMARK	1514 303 3RD AVE	52624	RMP
DENMARK	S110479387	DENMARK SANITARY DISTRICT STP	WEST OF CO. RD. J42, NORTH OF	52624	IA NPDES
DES MOINES COUNTY	S116289961	U.S. GYPSUM COMPANY-SPERRY GYPSUM	20802 115TH AVE		IA SWF/LF
DES MOINES COUNTY	M300002830	US GYPSUM CO	US GYPSUM SPERRY MINE & PLANT		US MINES
FORT MADISON	1004466621	BURLINGTON NORTHERN SANTA FE RAILW	2ND & H ST	52627	FINDS, US AIRS
FORT MADISON	U003934659	AMAX INC	HWY 61 S	52627	IA UST
FORT MADISON	1011820226	CLIMAX MOLYBDENUM COMPANY	2598 HIGHWAY 61	52627	RMP
FORT MADISON	1005426767	CLIMAX MOLYBDENUM CO.	2598 HWY 61	52627	SSTS
FORT MADISON	S107668567	CLIMAX MOLYBDENUM COMPANY	2598 HIGHWAY 61	52627	IA TIER 2
FORT MADISON	S110366395	SIEMENS EMPLOYEE PARKING LOT	2597 HWY 61	52627	IA ALLSITES, IA SPILLS, IA NPDES
FORT MADISON	1015757424	CLIMAX MOLYBDENUM COMPANY	2598 HWY 61	52627	RCRA-CESQG, PADS
FORT MADISON	1011287835	NOT KNOWN	HIGHWAY 61 WEST	52627	FINDS, IA UST
FORT MADISON	U003934648	BAIER FORD/CHRYSLER	HWY 61 WEST	52627	IA UST
FORT MADISON	1000103875	JIM BAIER INC	HWY 61 W BOX 540	52627	RCRA-SQG
FORT MADISON	1016108225	SIEMENS ENERGY INC L.P.-FT MADISON	2597 HIGHWAY 61	52627	ICIS, FINDS
FORT MADISON	S111682735	SIEMENS POWER GENERATION, INC - FO	2597 HWY 61 S	52627	IA AIRS
FORT MADISON	1016932360	INDUSTRIAL ENERGY APPLICATIONS INC	2598 HWY 61S-CLIMAX MOLYBDENUM	52627	US AIRS
FORT MADISON	1016932265	PINNACLE FOODS GROUP INC	2467 HENRY LAYDN DR (HWY 61 S)	52627	US AIRS
FORT MADISON	S110819953	CLIMAX MOLYBDENUM COMPANY	2598 N HIGHWAY 61	52627	IA TIER 2
FORT MADISON	1003877148	FT MADISON DUMP	E OF 48TH ST S OF HWY 61	52627	CERC-NFRAP
FORT MADISON	1011290120	FORT MADISON RO WATER TREATMENT PL	W OF HWY 61 & N OF 280TH ST	52627	US AIRS
FORT MADISON	S111930286	MERSCHMAN FERTILIZER LLC	2351 S ORTHO STREET SOUTH	52627	IA TIER 2
FORT MADISON	U003934862	RODEO PARK	RODEO PARK	52627	IA UST
FORT MADISON	1000391931	RUST ENGINEERING CO-FORMER SITE OF	SOUTH US HWY 64	52627	RCRA NonGen / NLR
FT MADISON	1003876081	TRUCK TRANSPORT INC - FT MADISON W	HWY 61 S JEFFERSON IND PARK	52627	CERC-NFRAP
FT MADISON	1015733395	FT MADISON SANITARY LANDFILL	HWY 88 N	52627	CERC-NFRAP, RCRA NonGen / NLR
FT MADISON	1007458204	CLIMAX MOLYBDENUM COMPANY	PO BOX 220 2598 HWY 61	52627	FTTS, HIST FTTS
KEOKUK	S116290118	GREAT RIVER REGIONAL WASTE AUTHORI	111 CARBIAN LN	52623	IA SWF/LF
KEOKUK	S116290127	GREAT RIVER REGIONAL WASTE AUTHORI	111 CARBIAN LN	52623	IA SWF/LF
MIDDLETOWN	S111930257	ARMED FORCES READINESS CENTER AND	16817 HIGHWAY 34 HIGHWAY	52638	IA TIER 2
MIDDLETOWN	U004134335	CASEY'S GENERAL STORE #1028	HIGHWAY 34 E	52638	IA LUST
MIDDLETOWN	1014884981	IOWA ARMY NATIONAL GUARD - BUILDIN	16815 HWY 34	52638	FINDS, US AIRS
MIDDLETOWN	S109944076	MIDDLETOWN POST OFFICE	HWY 34	52638	IA LUST
MIDDLETOWN	1016956307	MIDDLETOWN ARMY NATIONAL GUARD AFR	16815 DMC HWY 34	52638	RCRA-SQG
MIDDLETOWN	S116492373	IOWA ARMY AMMUNITION PLANT	17575 DMC HIGHWAY 79	52638	IA SPILLS, IA TIER 2
MIDDLETOWN	1004690925	PACE MOBILE LAB	IOWA ARMY AMMUNITION PLANT	52638	RCRA NonGen / NLR
MIDDLETOWN	1006334109	MASON & HANGER-SILAS MASON CO., IN	IOWA ARMY AMMUNITION PLANT	52638	MLTS
WEST BURLINGTON	S116256958	34 TRUCK STOP	HWY 34 & 406		IA RGA LUST
WEST BURLINGTON	S116266671	WASHINGTON HEIGHTS CARE FACILITY	RR 4 WASHINGTON RD		IA RGA LUST
WEST BURLINGTON	S116266670	WASHINGTON HEIGHTS CARE FACILITY	RR 4 WASHINGTON RD		IA RGA LUST
WEST BURLINGTON	S116261976	IDOT MAINT GARAGE	BEAVERDALE ROAD		IA RGA LUST
WEST BURLINGTON	S116266772	WEST BURLINGTON WATER DEPT	GEAR AVE		IA RGA LUST
WEST BURLINGTON	S116259696	DEERY BROTHERS	200 SOUTH GEHR AVE		IA RGA LUST
WEST BURLINGTON	S116259745	DENNY'S AUTO SERVICE, INC	109 E MOUNT PLEASANT		IA RGA LUST
WEST BURLINGTON	S116259750	DENNYL'S AUTO SERVICE, INC.	109 E MOUNT PLEASANT		IA RGA LUST
WEST BURLINGTON	S116266357	UNITED PARCEL SERVICE	2514 W MOUNT PLEASANT		IA RGA LUST
WEST BURLINGTON	S116266358	UNITED PARCEL SERVICE	2514 WEST MT. PLEASANT ROAD		IA RGA LUST

Count: 95 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WEST BURLINGTON	S116259760	DES MOINES COUNTY SHOP	WASHINGTON ROAD		IA RGA LUST
WEST POINT	S116492548	B&B PROPANE	2943 HWY 16 HIGHWAY	52624	IA TIER 2
WEST POINT	S116492950	B&B PROPANE	2943 HWY 16 HIGHWAY	52624	IA TIER 2
WEVER	U003639151	DONALD L BLANCHARD	RTE 1	52658	IA UST
WEVER	S116492661	IOWA FERTILIZER COMPANY	3550 180TH ST., WEVER, IA, USA	52658	IA TIER 2
WEVER	1015730983	FIRST MISSISSIPPI CORP FERTILIZER	335 AVENUE AND 200TH STREET	52658	CERCLIS, RCRA NonGen / NLR
WEVER	U003638652	TED BEACH	GREEN ST	52658	IA UST

# 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: 12/16/2014	Source: EPA
Date Data Arrived at EDR: 01/08/2015	Telephone: N/A
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 07/20/2015
	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: 12/16/2014	Source: EPA
Date Data Arrived at EDR: 01/08/2015	Telephone: N/A
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

### DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 12/16/2014	Source: EPA
Date Data Arrived at EDR: 01/08/2015	Telephone: N/A
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 04/08/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

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

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

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/01/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Quarterly

### FEDERAL FACILITY: Federal Facility Site Information listing

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

Date of Government Version: 07/21/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/07/2014	Telephone: 703-603-8704
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 04/08/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Varies

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

### CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

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

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 11/11/2013	Telephone: 703-412-9810
Date Made Active in Reports: 02/13/2014	Last EDR Contact: 05/01/2015
Number of Days to Update: 94	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Quarterly

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

### CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/09/2014  
Date Data Arrived at EDR: 12/29/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 31

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 03/31/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Quarterly

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

### **RCRA-TSDF: RCRA - Treatment, Storage and Disposal**

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

Date of Government Version: 12/09/2014  
Date Data Arrived at EDR: 12/29/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: 913-551-7003  
Last EDR Contact: 03/31/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Quarterly

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

### **RCRA-LQG: RCRA - Large Quantity Generators**

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

Date of Government Version: 12/09/2014  
Date Data Arrived at EDR: 12/29/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: 913-551-7003  
Last EDR Contact: 03/31/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Quarterly

### **RCRA-SQG: RCRA - Small Quantity Generators**

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

Date of Government Version: 12/09/2014  
Date Data Arrived at EDR: 12/29/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: 913-551-7003  
Last EDR Contact: 03/31/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Quarterly

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

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

Date of Government Version: 12/09/2014  
Date Data Arrived at EDR: 12/29/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 31

Source: Environmental Protection Agency  
Telephone: 913-551-7003  
Last EDR Contact: 03/31/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

Date of Government Version: 09/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/19/2014	Telephone: 703-603-0695
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 02/26/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/15/2015
	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: 09/18/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/19/2014	Telephone: 703-603-0695
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 02/26/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 06/15/2015
	Data Release Frequency: Varies

### **LUCIS: Land Use Control Information System**

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

Date of Government Version: 12/03/2014	Source: Department of the Navy
Date Data Arrived at EDR: 12/12/2014	Telephone: 843-820-7326
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 02/16/2015
Number of Days to Update: 48	Next Scheduled EDR Contact: 06/01/2015
	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: 09/29/2014	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 09/30/2014	Telephone: 202-267-2180
Date Made Active in Reports: 11/06/2014	Last EDR Contact: 03/31/2015
Number of Days to Update: 37	Next Scheduled EDR Contact: 07/13/2015
	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	Source: Department of Natural Resources
Date Data Arrived at EDR: 01/23/2015	Telephone: 515-281-8801
Date Made Active in Reports: 02/19/2015	Last EDR Contact: 04/20/2015
Number of Days to Update: 27	Next Scheduled EDR Contact: 08/03/2015
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **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: 03/10/2015	Source: Department of Natural Resources
Date Data Arrived at EDR: 04/21/2015	Telephone: 515-281-8801
Date Made Active in Reports: 05/01/2015	Last EDR Contact: 04/21/2015
Number of Days to Update: 10	Next Scheduled EDR Contact: 06/22/2015
	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: 03/10/2015	Source: Department of Natural Resources
Date Data Arrived at EDR: 03/27/2015	Telephone: 515-281-6001
Date Made Active in Reports: 04/02/2015	Last EDR Contact: 03/09/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 06/22/2015
	Data Release Frequency: Quarterly

### LAST: Leaking Aboveground Storage Tank Sites

A listing of leaking aboveground storage tank sites.

Date of Government Version: 04/20/2015	Source: Department of Natural Resources
Date Data Arrived at EDR: 04/23/2015	Telephone: 515-281-6001
Date Made Active in Reports: 05/01/2015	Last EDR Contact: 04/15/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 08/03/2015
	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: 01/30/2015	Source: EPA, Region 5
Date Data Arrived at EDR: 02/05/2015	Telephone: 312-886-7439
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 08/10/2015
	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: 02/01/2013	Source: EPA Region 1
Date Data Arrived at EDR: 05/01/2013	Telephone: 617-918-1313
Date Made Active in Reports: 11/01/2013	Last EDR Contact: 04/03/2015
Number of Days to Update: 184	Next Scheduled EDR Contact: 08/10/2015
	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: 02/03/2015	Source: EPA Region 10
Date Data Arrived at EDR: 02/12/2015	Telephone: 206-553-2857
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/08/2015	Telephone: 415-972-3372
Date Made Active in Reports: 02/09/2015	Last EDR Contact: 01/08/2015
Number of Days to Update: 32	Next Scheduled EDR Contact: 05/11/2015
	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: 01/28/2015	Source: EPA Region 8
Date Data Arrived at EDR: 01/30/2015	Telephone: 303-312-6271
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/10/2015
	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: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/10/2015
	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: 01/23/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/10/2015	Telephone: 214-665-6597
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 01/26/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 05/11/2015
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/30/2014	Source: EPA Region 4
Date Data Arrived at EDR: 03/03/2015	Telephone: 404-562-8677
Date Made Active in Reports: 03/13/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 10	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Semi-Annually

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

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

Date of Government Version: 03/10/2015	Source: Department of Natural Resources
Date Data Arrived at EDR: 03/27/2015	Telephone: 515-281-6001
Date Made Active in Reports: 04/02/2015	Last EDR Contact: 03/09/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 06/22/2015
	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.



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/06/2014  
Date Data Arrived at EDR: 10/07/2014  
Date Made Active in Reports: 10/30/2014  
Number of Days to Update: 23

Source: Department of Public Safety  
Telephone: 515-281-5821  
Last EDR Contact: 03/30/2015  
Next Scheduled EDR Contact: 07/13/2015  
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: 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: 01/26/2015  
Next Scheduled EDR Contact: 05/11/2015  
Data Release Frequency: Quarterly

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

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

Date of Government Version: 09/30/2014  
Date Data Arrived at EDR: 03/03/2015  
Date Made Active in Reports: 03/13/2015  
Number of Days to Update: 10

Source: EPA Region 4  
Telephone: 404-562-9424  
Last EDR Contact: 04/27/2015  
Next Scheduled EDR Contact: 08/10/2015  
Data Release Frequency: Semi-Annually

### INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 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: 04/27/2015  
Next Scheduled EDR Contact: 08/10/2015  
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: 01/23/2015  
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 6  
Telephone: 214-665-7591  
Last EDR Contact: 01/26/2015  
Next Scheduled EDR Contact: 05/11/2015  
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: 01/30/2015  
Date Data Arrived at EDR: 02/05/2015  
Date Made Active in Reports: 03/13/2015  
Number of Days to Update: 36

Source: EPA Region 5  
Telephone: 312-886-6136  
Last EDR Contact: 04/27/2015  
Next Scheduled EDR Contact: 08/10/2015  
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).

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/03/2015  
Date Data Arrived at EDR: 02/12/2015  
Date Made Active in Reports: 03/13/2015  
Number of Days to Update: 29

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 04/27/2015  
Next Scheduled EDR Contact: 08/10/2015  
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: 02/01/2013  
Date Data Arrived at EDR: 05/01/2013  
Date Made Active in Reports: 01/27/2014  
Number of Days to Update: 271

Source: EPA, Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 04/28/2015  
Next Scheduled EDR Contact: 08/10/2015  
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: 01/29/2015  
Date Data Arrived at EDR: 01/30/2015  
Date Made Active in Reports: 03/13/2015  
Number of Days to Update: 42

Source: EPA Region 8  
Telephone: 303-312-6137  
Last EDR Contact: 04/27/2015  
Next Scheduled EDR Contact: 08/10/2015  
Data Release Frequency: Quarterly

## FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010  
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: 04/13/2015  
Next Scheduled EDR Contact: 07/27/2015  
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: 04/20/2015  
Date Data Arrived at EDR: 04/20/2015  
Date Made Active in Reports: 05/01/2015  
Number of Days to Update: 11

Source: Department of Natural Resources  
Telephone: 515-242-5818  
Last EDR Contact: 04/20/2015  
Next Scheduled EDR Contact: 08/03/2015  
Data Release Frequency: Varies

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

### INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

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

Source: EPA, Region 7  
Telephone: 913-551-7365  
Last EDR Contact: 04/20/2009  
Next Scheduled EDR Contact: 07/20/2009  
Data Release Frequency: Varies

### INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/02/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Varies

## VCP: Land Recycling Program Sites

Sites currently enrolled in the Land Recycling Program.

Date of Government Version: 04/20/2015  
Date Data Arrived at EDR: 04/23/2015  
Date Made Active in Reports: 04/30/2015  
Number of Days to Update: 7

Source: Department of Natural Resources  
Telephone: 515-242-5818  
Last EDR Contact: 04/15/2015  
Next Scheduled EDR Contact: 08/03/2015  
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: 04/20/2015  
Date Data Arrived at EDR: 04/23/2015  
Date Made Active in Reports: 04/30/2015  
Number of Days to Update: 7

Source: Department of Natural Resources  
Telephone: 515-281-8489  
Last EDR Contact: 04/15/2015  
Next Scheduled EDR Contact: 08/03/2015  
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: 12/22/2014  
Date Data Arrived at EDR: 12/22/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 38

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 03/24/2015  
Next Scheduled EDR Contact: 07/06/2015  
Data Release Frequency: Semi-Annually

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

#### DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 04/23/2015  
Next Scheduled EDR Contact: 08/10/2015  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ODI: Open Dump Inventory

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

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

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 05/01/2015
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/17/2015
	Data Release Frequency: Varies

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

### 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: 02/25/2015	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 03/10/2015	Telephone: 202-307-1000
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 03/03/2015
Number of Days to Update: 15	Next Scheduled EDR Contact: 06/15/2015
	Data Release Frequency: Quarterly

### ALLSITES: Contaminated Sites Tracking Database

All the sites included in the Contaminated Sites Tracking Database. The database includes several regulatory compliance programs and actions.

Date of Government Version: 04/20/2015	Source: Department of Natural Resources
Date Data Arrived at EDR: 04/23/2015	Telephone: 515-281-4171
Date Made Active in Reports: 04/30/2015	Last EDR Contact: 04/15/2015
Number of Days to Update: 7	Next Scheduled EDR Contact: 08/03/2015
	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	Source: Department of Natural Resources
Date Data Arrived at EDR: 04/21/2014	Telephone: 515-281-8801
Date Made Active in Reports: 05/05/2014	Last EDR Contact: 04/20/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 08/03/2015
	Data Release Frequency: Annually

### 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/25/2015  
Date Data Arrived at EDR: 03/10/2015  
Date Made Active in Reports: 03/25/2015  
Number of Days to Update: 15

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 03/03/2015  
Next Scheduled EDR Contact: 06/15/2015  
Data Release Frequency: No Update Planned

## **Local Land Records**

### **LIENS 2: CERCLA Lien Information**

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

Date of Government Version: 02/18/2014  
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: 04/27/2015  
Next Scheduled EDR Contact: 08/10/2015  
Data Release Frequency: Varies

### **LIENS: Liens Filed Listing**

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

Date of Government Version: 01/26/2015  
Date Data Arrived at EDR: 01/27/2015  
Date Made Active in Reports: 02/19/2015  
Number of Days to Update: 23

Source: Department of Natural Resources  
Telephone: 515-281-5523  
Last EDR Contact: 04/27/2015  
Next Scheduled EDR Contact: 08/10/2015  
Data Release Frequency: Varies

## **Records of Emergency Release Reports**

### **HMIRS: Hazardous Materials Information Reporting System**

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

Date of Government Version: 12/29/2014  
Date Data Arrived at EDR: 12/30/2014  
Date Made Active in Reports: 03/09/2015  
Number of Days to Update: 69

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 03/31/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Annually

### **SPILLS: Spills Database**

Spill reporting data that is collected during the initial report of an incident.

Date of Government Version: 03/10/2015  
Date Data Arrived at EDR: 03/10/2015  
Date Made Active in Reports: 03/19/2015  
Number of Days to Update: 9

Source: Department of Natural Resources  
Telephone: 515-281-4367  
Last EDR Contact: 03/10/2015  
Next Scheduled EDR Contact: 06/22/2015  
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**

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 12/09/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/29/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 03/31/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Varies

## DOT OPS: Incident and Accident Data

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

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 05/05/2015
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/17/2015
	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	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/14/2015
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/27/2015
	Data Release Frequency: Semi-Annually

## FUDS: Formerly Used Defense Sites

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

Date of Government Version: 06/06/2014	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 09/10/2014	Telephone: 202-528-4285
Date Made Active in Reports: 09/18/2014	Last EDR Contact: 03/13/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 06/22/2015
	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: 01/23/2015	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/13/2015	Telephone: Varies
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 03/30/2015
Number of Days to Update: 24	Next Scheduled EDR Contact: 07/13/2015
	Data Release Frequency: Varies

## 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	Source: EPA
Date Data Arrived at EDR: 12/12/2013	Telephone: 703-416-0223
Date Made Active in Reports: 02/24/2014	Last EDR Contact: 03/10/2015
Number of Days to Update: 74	Next Scheduled EDR Contact: 06/22/2015
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 02/27/2015
Number of Days to Update: 146	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Varies

## US MINES: Mines Master Index File

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

Date of Government Version: 12/30/2014	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 12/31/2014	Telephone: 303-231-5959
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 03/06/2015
Number of Days to Update: 29	Next Scheduled EDR Contact: 06/15/2015
	Data Release Frequency: Semi-Annually

## TRIS: Toxic Chemical Release Inventory System

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

Date of Government Version: 12/31/2011	Source: EPA
Date Data Arrived at EDR: 07/31/2013	Telephone: 202-566-0250
Date Made Active in Reports: 09/13/2013	Last EDR Contact: 01/29/2015
Number of Days to Update: 44	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Annually

## TSCA: Toxic Substances Control Act

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

Date of Government Version: 12/31/2012	Source: EPA
Date Data Arrived at EDR: 01/15/2015	Telephone: 202-260-5521
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 03/27/2015
Number of Days to Update: 14	Next Scheduled EDR Contact: 07/06/2015
	Data Release Frequency: Every 4 Years

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

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

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/23/2015
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/08/2015
	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	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 02/23/2015
Number of Days to Update: 25	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

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

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

## SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 04/10/2015
Number of Days to Update: 77	Next Scheduled EDR Contact: 08/10/2015
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/06/2015	Telephone: 202-564-5088
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 04/09/2015
Number of Days to Update: 31	Next Scheduled EDR Contact: 07/27/2015
	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	Source: EPA
Date Data Arrived at EDR: 10/15/2014	Telephone: 202-566-0500
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 04/17/2015
Number of Days to Update: 33	Next Scheduled EDR Contact: 07/27/2015
	Data Release Frequency: Annually



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 12/29/2014	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 01/08/2015	Telephone: 301-415-7169
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 03/09/2015
Number of Days to Update: 21	Next Scheduled EDR Contact: 06/22/2015
	Data Release Frequency: Quarterly

### RADINFO: Radiation Information Database

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

Date of Government Version: 02/27/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/27/2015	Telephone: 202-343-9775
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 04/09/2015
Number of Days to Update: 26	Next Scheduled EDR Contact: 07/20/2015
	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: 01/18/2015	Source: EPA
Date Data Arrived at EDR: 02/27/2015	Telephone: (913) 551-7003
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 03/09/2015
Number of Days to Update: 26	Next Scheduled EDR Contact: 06/22/2015
	Data Release Frequency: Quarterly

### RAATS: RCRA Administrative Action Tracking System

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

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

### RMP: Risk Management Plans

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 02/01/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/13/2015	Telephone: 202-564-8600
Date Made Active in Reports: 03/25/2015	Last EDR Contact: 04/27/2015
Number of Days to Update: 40	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Varies

### BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2011	Source: EPA/NTIS
Date Data Arrived at EDR: 02/26/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 02/24/2015
Number of Days to Update: 52	Next Scheduled EDR Contact: 06/08/2015
	Data Release Frequency: Biennially

### DRYCLEANERS: Iowa Drycleaner List

A listing of drycleaners in Iowa.

Date of Government Version: 01/26/2015	Source: Department of Natural Resources
Date Data Arrived at EDR: 02/19/2015	Telephone: 515-242-5100
Date Made Active in Reports: 03/11/2015	Last EDR Contact: 04/15/2015
Number of Days to Update: 20	Next Scheduled EDR Contact: 08/03/2015
	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: 11/03/2014	Source: Department of Natural Resources
Date Data Arrived at EDR: 11/19/2014	Telephone: 515-281-4736
Date Made Active in Reports: 12/12/2014	Last EDR Contact: 02/20/2015
Number of Days to Update: 23	Next Scheduled EDR Contact: 06/01/2015
	Data Release Frequency: Varies

### AIRS: Minor and Title V Sources Listing

A listing of Minor and Title V sources.

Date of Government Version: 03/16/2015	Source: Department of Natural Resources
Date Data Arrived at EDR: 03/17/2015	Telephone: 515-281-8468
Date Made Active in Reports: 03/30/2015	Last EDR Contact: 03/13/2015
Number of Days to Update: 13	Next Scheduled EDR Contact: 06/29/2015
	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	Source: Department of Natural Resources
Date Data Arrived at EDR: 03/24/2015	Telephone: 515-725-0302
Date Made Active in Reports: 04/02/2015	Last EDR Contact: 03/23/2015
Number of Days to Update: 9	Next Scheduled EDR Contact: 07/06/2015
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/14/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/27/2015
	Data Release Frequency: Semi-Annually

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

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

Date of Government Version: 03/07/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 02/18/2015
Number of Days to Update: 34	Next Scheduled EDR Contact: 06/01/2015
	Data Release Frequency: Varies

## 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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2015	Telephone: 703-308-4044
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 02/13/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 05/25/2015
	Data Release Frequency: Varies

## 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: 03/09/2015	Source: Department of Natural Resources
Date Data Arrived at EDR: 03/10/2015	Telephone: 515-242-5818
Date Made Active in Reports: 04/30/2015	Last EDR Contact: 03/09/2015
Number of Days to Update: 51	Next Scheduled EDR Contact: 06/22/2015
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/26/2014	Telephone: 703-603-8787
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 04/10/2015
Number of Days to Update: 64	Next Scheduled EDR Contact: 07/20/2015
	Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

## 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: 02/13/2015  
Next Scheduled EDR Contact: 05/25/2015  
Data Release Frequency: Quarterly

## FEDLAND: Federal and Indian Lands

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

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 02/06/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 339

Source: U.S. Geological Survey  
Telephone: 888-275-8747  
Last EDR Contact: 04/14/2015  
Next Scheduled EDR Contact: 07/27/2015  
Data Release Frequency: N/A

## 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: 10/16/2014  
Date Data Arrived at EDR: 10/31/2014  
Date Made Active in Reports: 11/17/2014  
Number of Days to Update: 17

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 03/30/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/16/2014  
Date Data Arrived at EDR: 10/31/2014  
Date Made Active in Reports: 11/17/2014  
Number of Days to Update: 17

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 03/30/2015  
Next Scheduled EDR Contact: 07/13/2015  
Data Release Frequency: Annually

## 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: 03/09/2015  
Date Data Arrived at EDR: 03/10/2015  
Date Made Active in Reports: 03/25/2015  
Number of Days to Update: 15

Source: Environmental Protection Agency  
Telephone: 202-566-1917  
Last EDR Contact: 02/16/2015  
Next Scheduled EDR Contact: 06/01/2015  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## COAL ASH: Coal Ash Disposal Site Listing

A listing of coal combustion residue landfill locations.

Date of Government Version: 03/10/2015	Source: Department of Natural Resources
Date Data Arrived at EDR: 03/11/2015	Telephone: 515-281-8308
Date Made Active in Reports: 03/19/2015	Last EDR Contact: 03/11/2015
Number of Days to Update: 8	Next Scheduled EDR Contact: 06/22/2015
	Data Release Frequency: Quarterly

## 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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2014	Telephone: N/A
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 03/13/2015
Number of Days to Update: 40	Next Scheduled EDR Contact: 06/22/2015
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 05/01/2015
Number of Days to Update: 83	Next Scheduled EDR Contact: 08/10/2015
	Data Release Frequency: Varies

## 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	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 04/15/2015
Number of Days to Update: 76	Next Scheduled EDR Contact: 07/27/2015
	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: 03/10/2015	Source: Department of Natural Resources
Date Data Arrived at EDR: 03/27/2015	Telephone: 515-242-5086
Date Made Active in Reports: 04/02/2015	Last EDR Contact: 03/09/2015
Number of Days to Update: 6	Next Scheduled EDR Contact: 06/22/2015
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 05/07/2015
Number of Days to Update: 88	Next Scheduled EDR Contact: 08/24/2015
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

## 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

## 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: 11/17/2014  
Next Scheduled EDR Contact: 03/02/2015  
Data Release Frequency: No Update Planned

## NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011  
Date Data Arrived at EDR: 07/19/2012  
Date Made Active in Reports: 08/28/2012  
Number of Days to Update: 40

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 04/14/2015  
Next Scheduled EDR Contact: 07/27/2015  
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: 01/01/2015  
Date Data Arrived at EDR: 02/04/2015  
Date Made Active in Reports: 02/27/2015  
Number of Days to Update: 23

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 05/06/2015  
Next Scheduled EDR Contact: 08/17/2015  
Data Release Frequency: Annually

## RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013  
Date Data Arrived at EDR: 07/15/2014  
Date Made Active in Reports: 08/13/2014  
Number of Days to Update: 29

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 02/23/2015  
Next Scheduled EDR Contact: 06/08/2015  
Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 03/13/2015

Next Scheduled EDR Contact: 06/29/2015

Data Release Frequency: Annually

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

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.

## **STREET AND ADDRESS INFORMATION**

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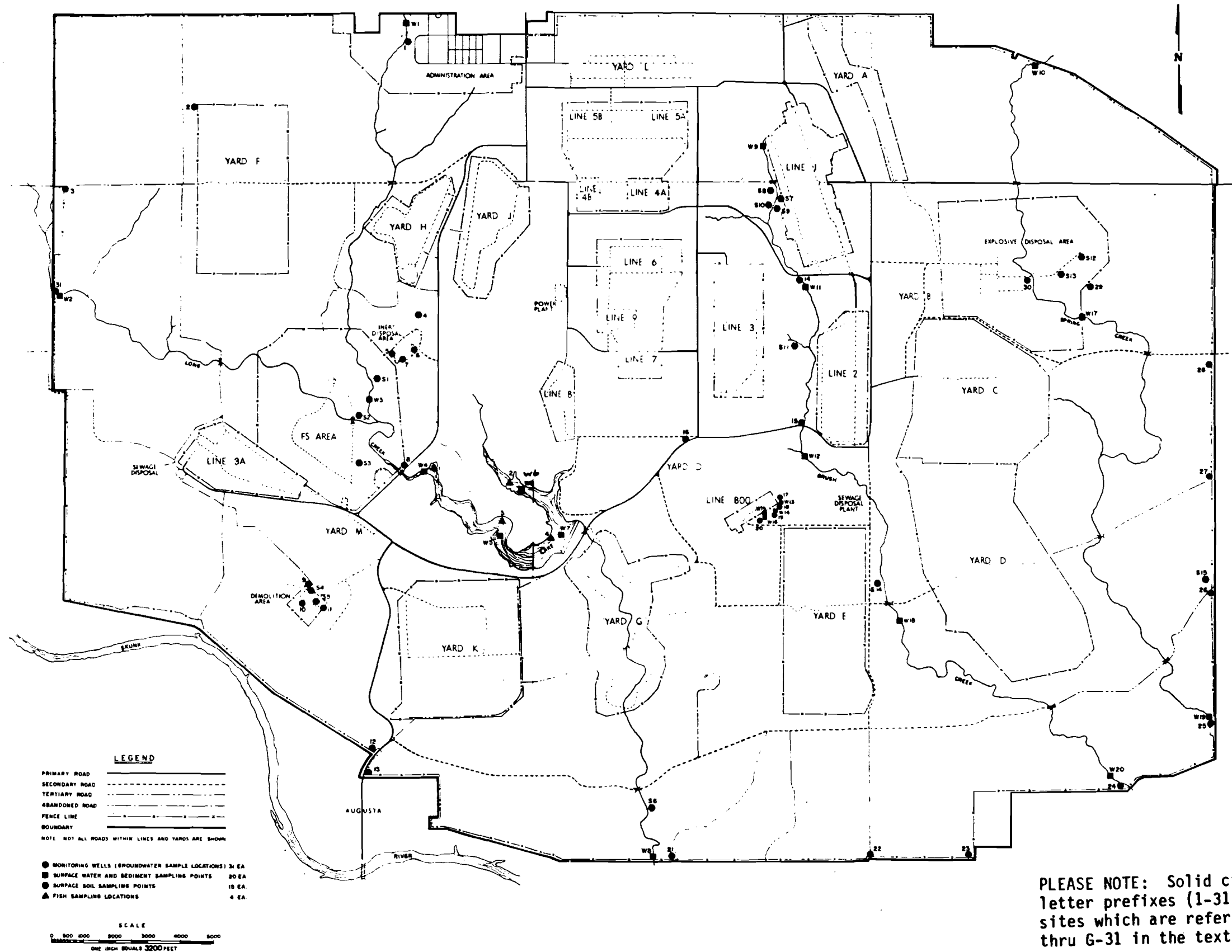


## **APPENDIX K.**

### **Historical Document Figures**

This appendix contains historic document figures from past reports in support of the Preliminary Assessment for Mathes Lake, Des Moines County, Middletown, Iowa.

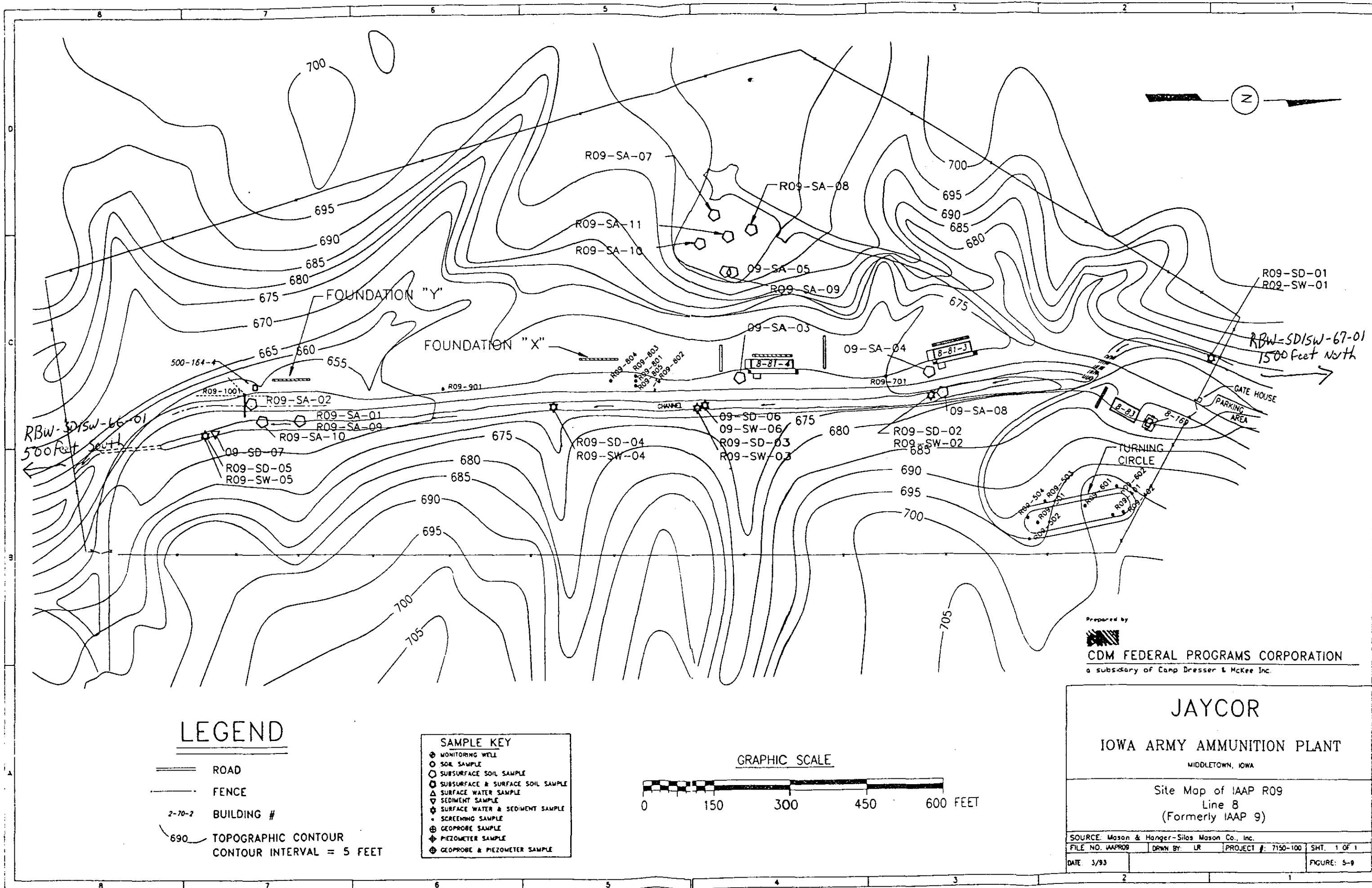
Document Numbers used within this Appendix relate to IAAAP Administrative Record numbers and USACE, St. Louis District FUSRAP website.



PLEASE NOTE: Solid circles without letter prefixes (1-31) represent well sites which are referred to as G-1 thru G-31 in the text.

FIGURE 2-2

Locations of Surface Water, Groundwater, Soil, and Sediment Sampling Sites Used in the 1981 Contamination Survey conducted at Iowa Army Ammunition Plant, Middletown, Iowa, 1981. Locations per Legend.

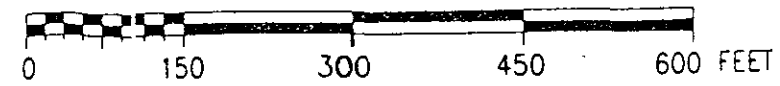


### LEGEND

- ROAD
- FENCE
- BUILDING #
- TOPOGRAPHIC CONTOUR  
CONTOUR INTERVAL = 5 FEET

- #### SAMPLE KEY
- MONITORING WELL
  - SOIL SAMPLE
  - SUBSURFACE SOIL SAMPLE
  - SUBSURFACE & SURFACE SOIL SAMPLE
  - SURFACE WATER SAMPLE
  - SEDIMENT SAMPLE
  - SURFACE WATER & SEDIMENT SAMPLE
  - SCREENING SAMPLE
  - GEOPROBE SAMPLE
  - PIEZOMETER SAMPLE
  - GEOPROBE & PIEZOMETER SAMPLE

#### GRAPHIC SCALE



Prepared by  
  
**CDM FEDERAL PROGRAMS CORPORATION**  
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## JAYCOR

### IOWA ARMY AMMUNITION PLANT

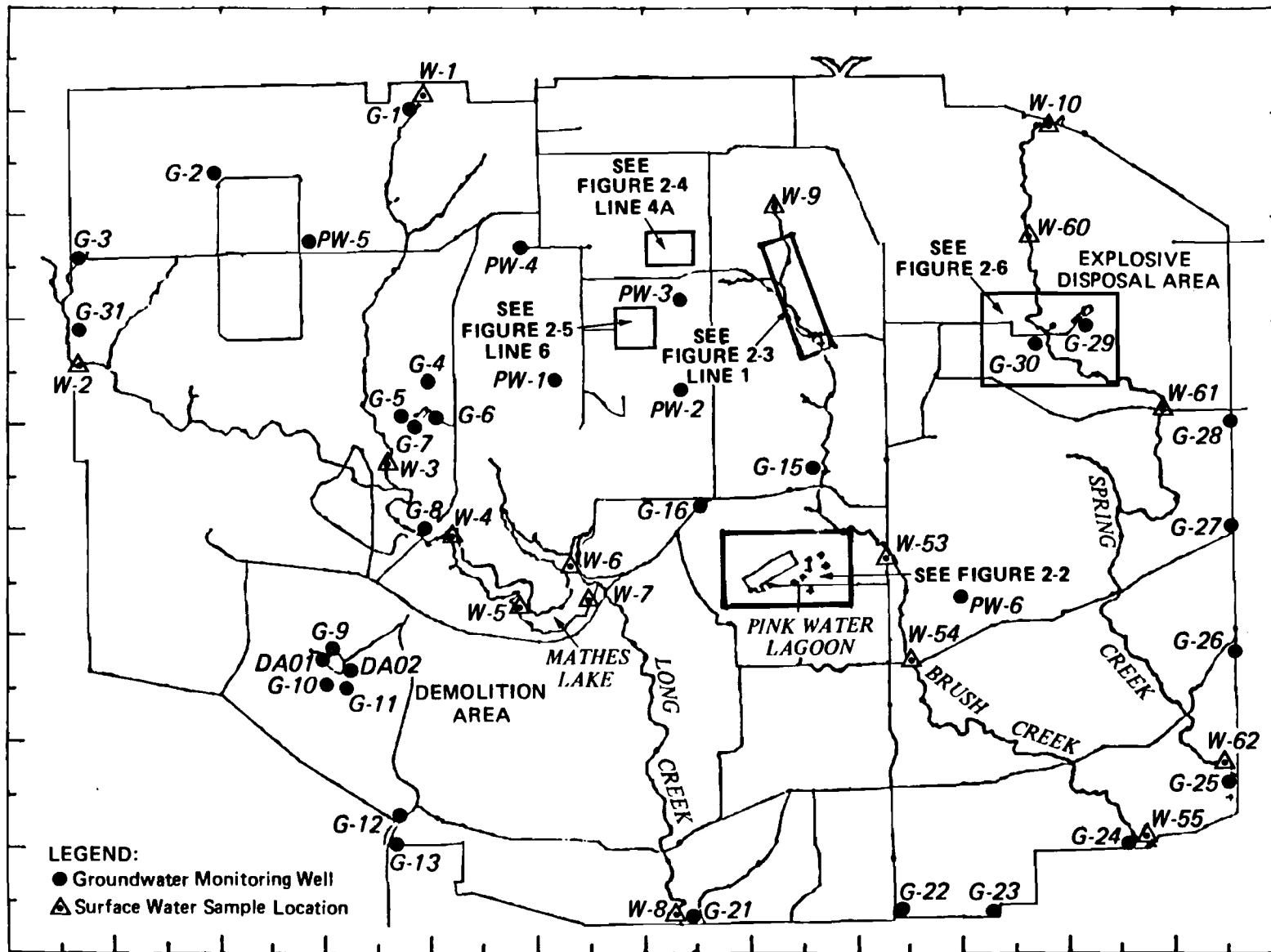
MIDDLETOWN, IOWA

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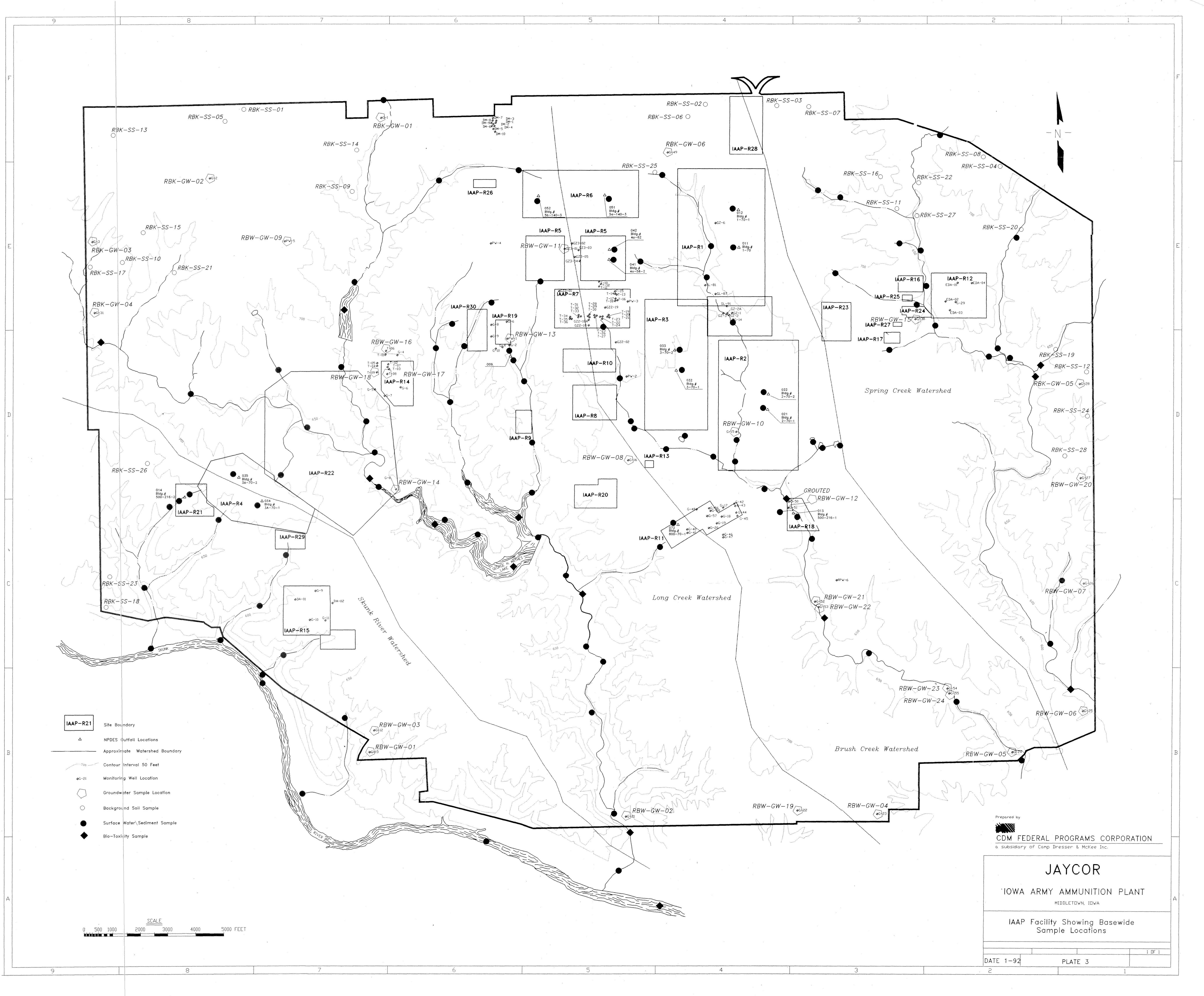
Site Map of IAWC R09  
 Line 8  
 (Formerly IAWC 9)

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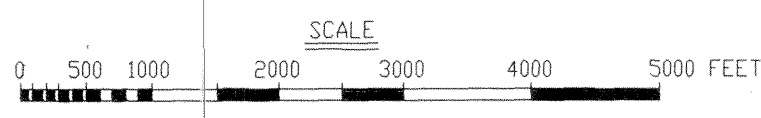
SOURCE: Mason & Hanger-Silas Mason Co., Inc.			
FILE NO. IAWC09	DRWN BY: LR	PROJECT #: 7150-100	SHT. 1 OF 1
DATE: 3/93			FIGURE: 5-9



**FIGURE 2-1**  
**IOWA ARMY AMMUNITION PLANT - MID-WEST SITE CONFIRMATORY SURVEY**  
**GROUNDWATER AND SURFACE WATER SAMPLE LOCATIONS**



- IAAP-R21 Site Boundary
- △ NPDES Outfall Locations
- Approximate Watershed Boundary
- 700 Contour Interval 50 Feet
- Monitoring Well Location
- Groundwater Sample Location
- Background Soil Sample
- Surface Water/Sediment Sample
- ◆ Bio-Toxicity Sample



Prepared by  
**CDM FEDERAL PROGRAMS CORPORATION**  
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**JAYCOR**

IOWA ARMY AMMUNITION PLANT  
 MIDDLETOWN, IOWA

IAAP Facility Showing Basewide  
 Sample Locations

DATE 1-92      PLATE 3      1 OF 1