

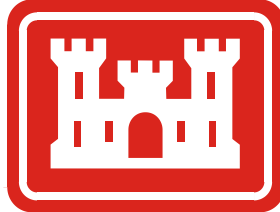
FINAL
Preliminary Assessment

Mathes Lake
Iowa Army Ammunition Plant
Middletown, Des Moines County, Iowa

Contract W9128F-13-D-0031

Delivery Order 0003

Prepared for



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

January 2016

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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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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 7.3×10^{-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).

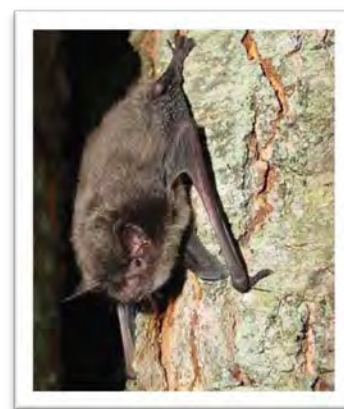


Figure 2-1 Indiana bat

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 sodalist*) 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 (yd³) 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 yd³ 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 yd³ 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

1/16th 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 yd³. 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 yd³ 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 yd³ 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 was 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 yd³ 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 TM, 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

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

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 ³	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 site 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.



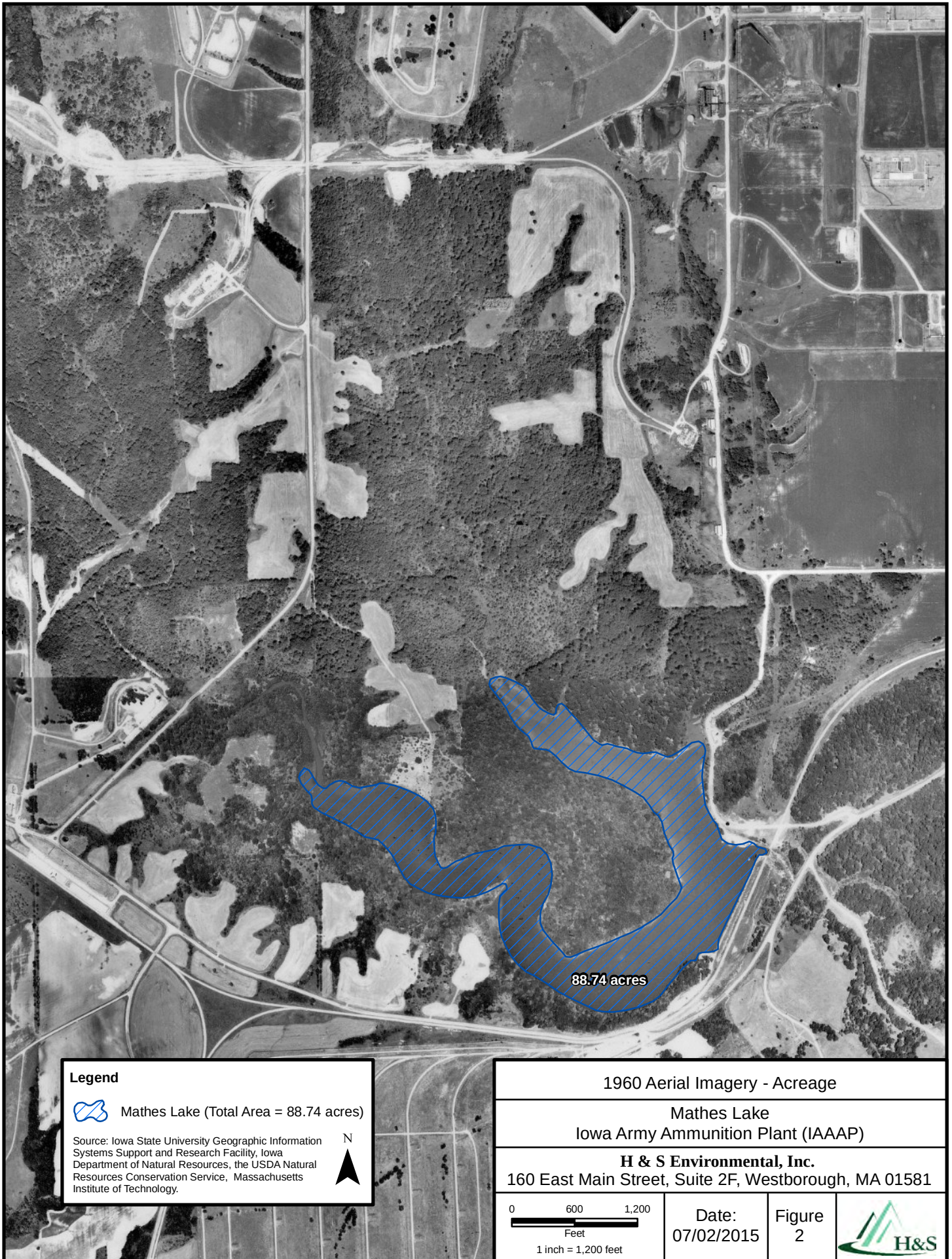
1930 Aerial Imagery		
Mathes Lake Iowa Army Ammunition Plant (IAAAP)		
H & S Environmental, Inc. 160 East Main Street, Suite 2F, Westborough, MA 01581		
0 600 1,200 Feet 1 inch = 1,200 feet	Date: 07/02/2015	Figure 1
		



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)		
H & S Environmental, Inc. 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)

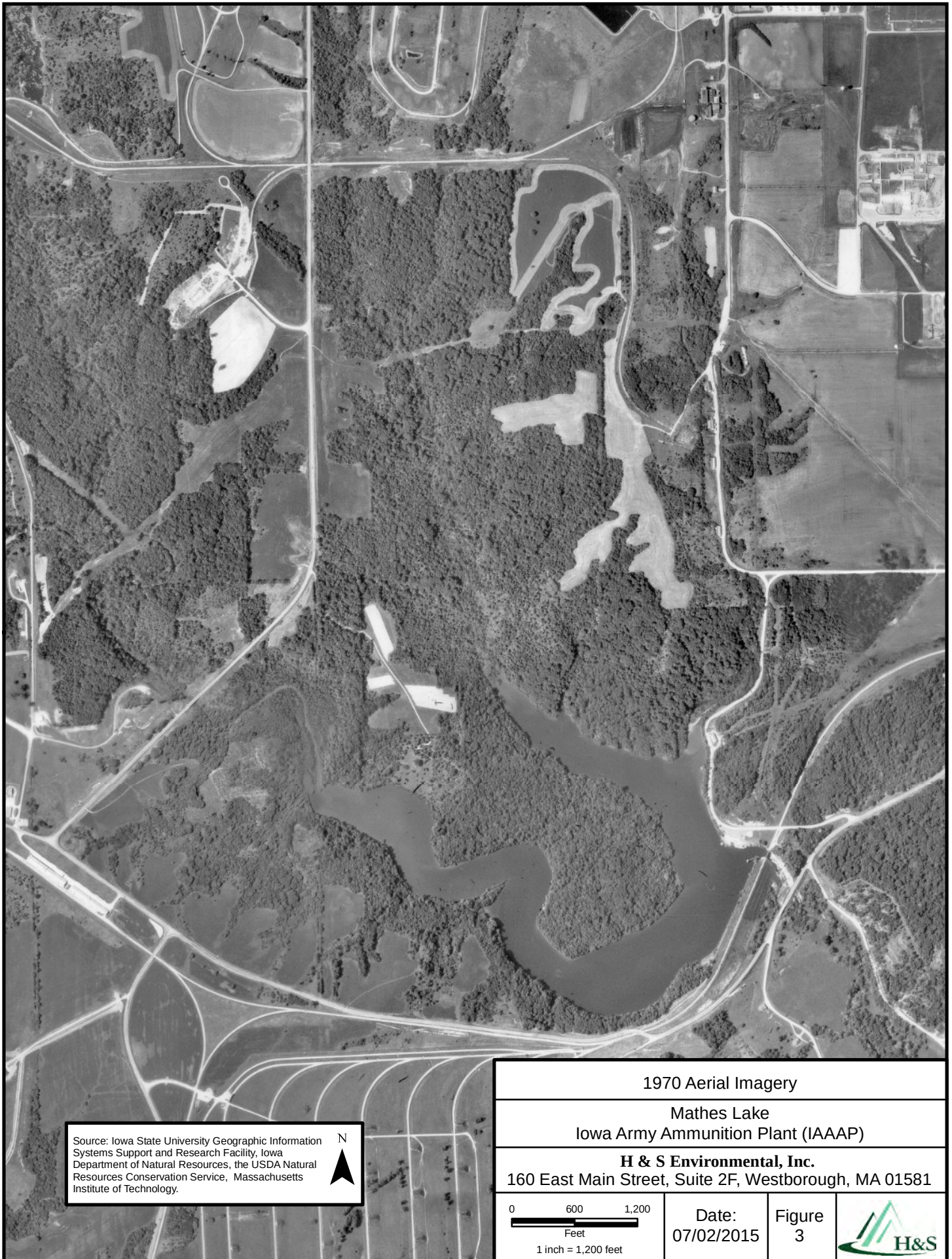
H & S Environmental, Inc.
160 East Main Street, Suite 2F, Westborough, MA 01581

0 600 1,200
Feet
1 inch = 1,200 feet

Date:
07/02/2015

Figure
2

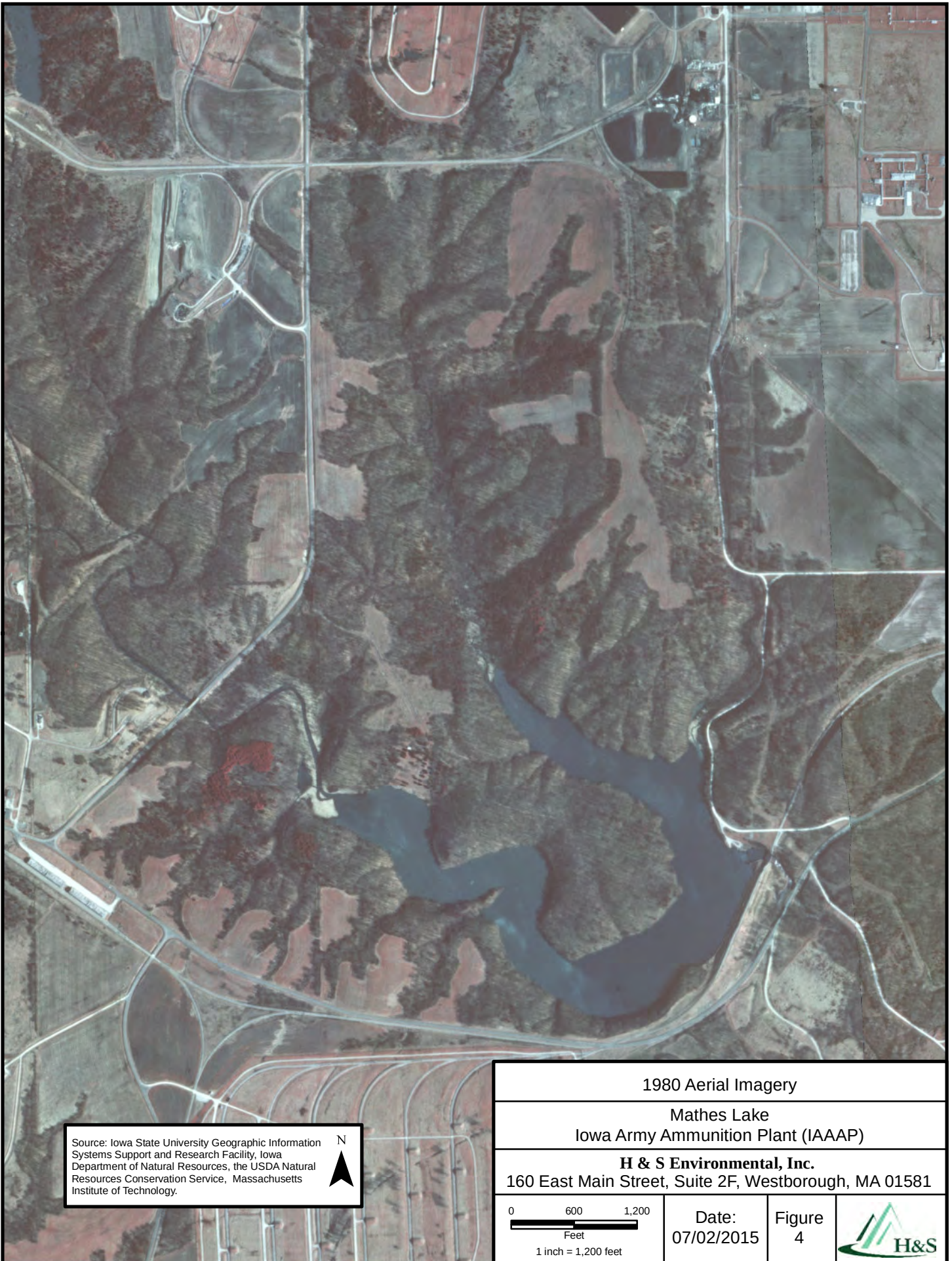




Source: Iowa State University Geographic Information Systems Support and Research Facility, Iowa Department of Natural Resources, the USDA Natural Resources Conservation Service, Massachusetts Institute of Technology.



1970 Aerial Imagery		
Mathes Lake Iowa Army Ammunition Plant (IAAAP)		
H & S Environmental, Inc. 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)		
H & S Environmental, Inc. 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)		
H & S Environmental, Inc. 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
		

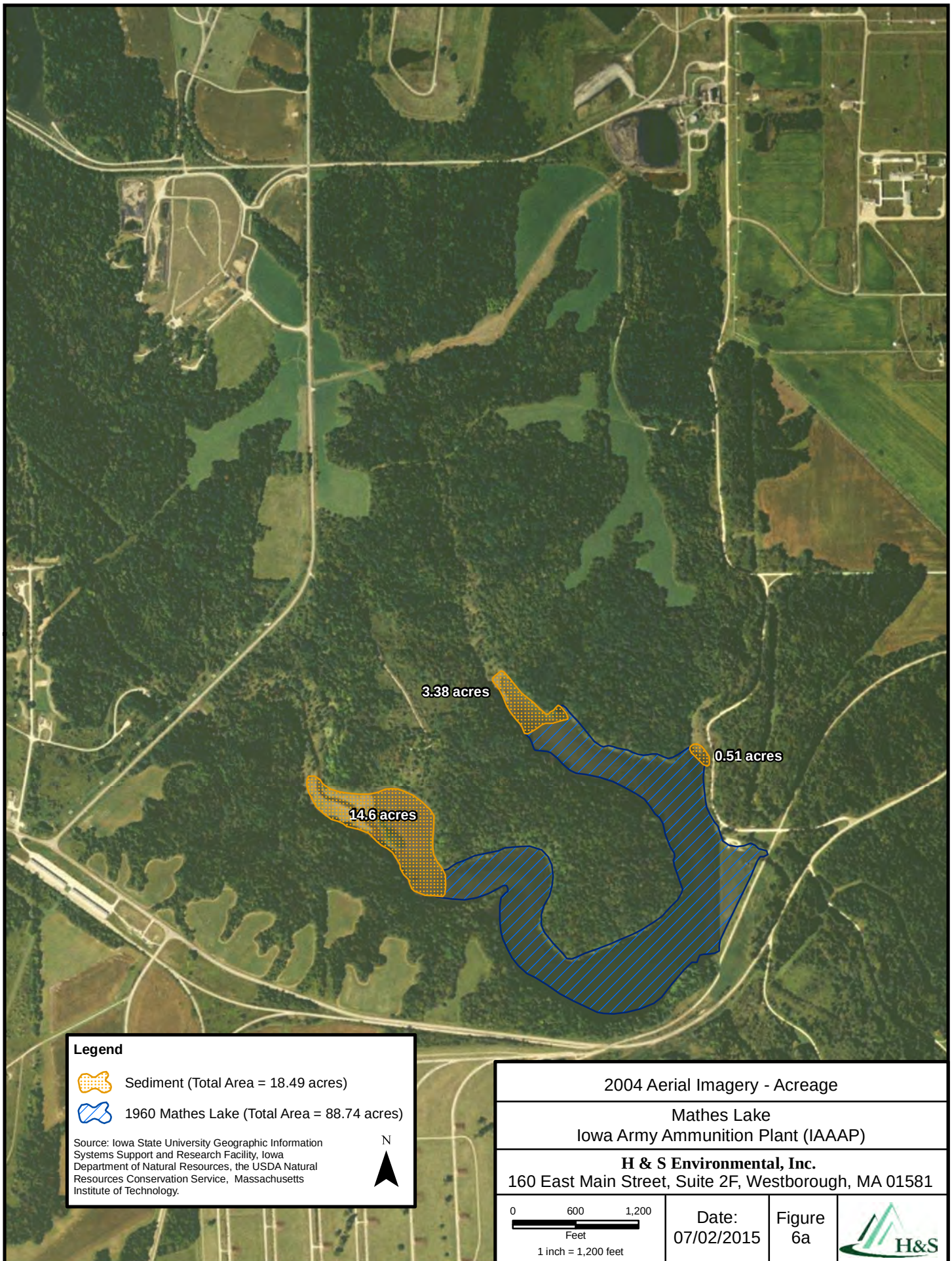


Source: Iowa State University Geographic Information Systems Support and Research Facility, Iowa Department of Natural Resources, the USDA Natural Resources Conservation Service, Massachusetts Institute of Technology.



2004 Aerial Imagery			
Mathes Lake Iowa Army Ammunition Plant (IAAAP)			
H & S Environmental, Inc. 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)



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.



2004 Aerial Imagery - Acreage

Mathes Lake
Iowa Army Ammunition Plant (IAAAP)

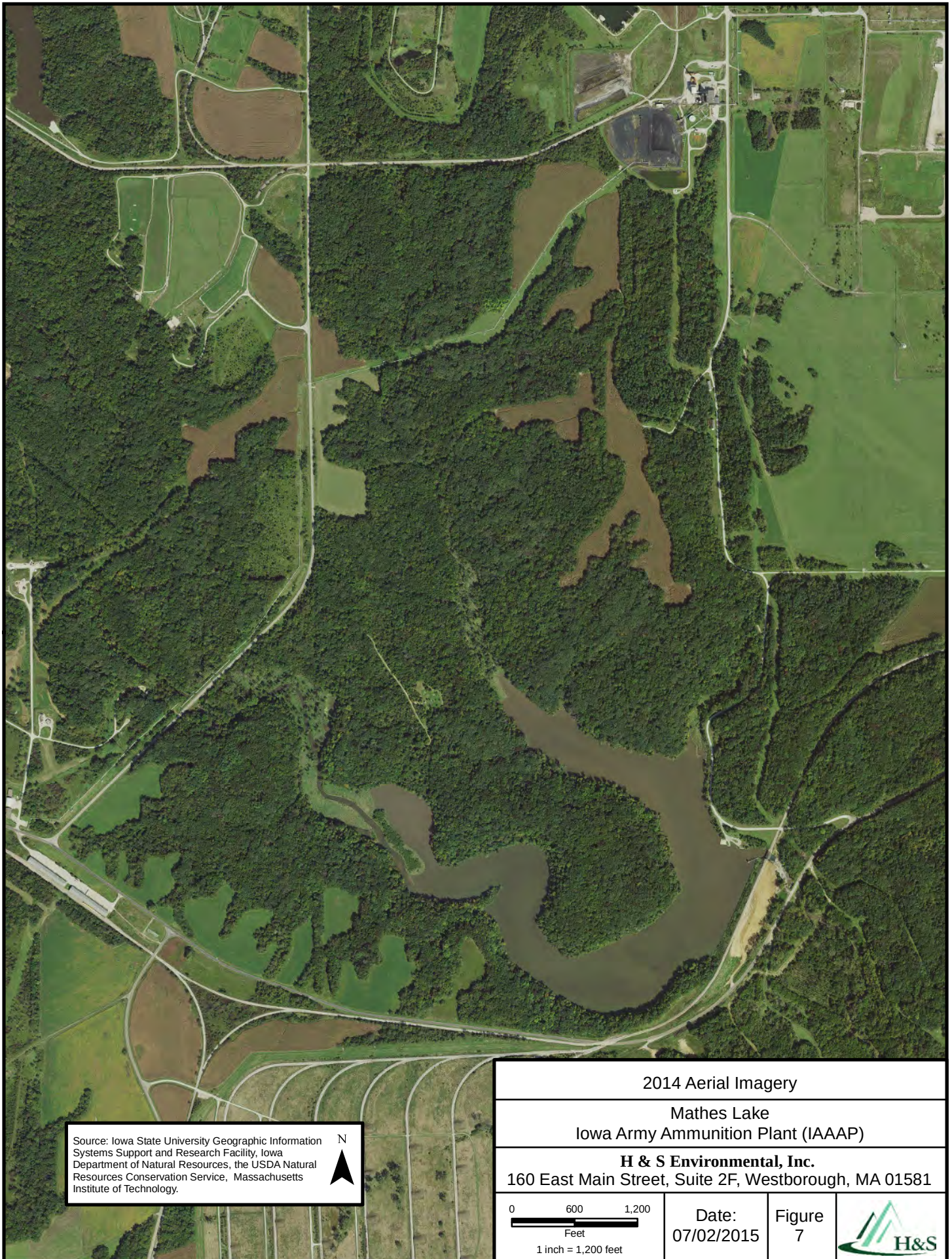
H & S Environmental, Inc.
160 East Main Street, Suite 2F, Westborough, MA 01581

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)		
H & S Environmental, Inc. 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.

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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 scheliuss@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 written over a light beige rectangular background.

Sean M. Chelius, PG
Project Geologist

Enclosure

Interview Questionnaire

DATE: _____

Interviewer: _____

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 past 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.

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.

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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 scheliuss@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 written over a light beige 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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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 scheliuss@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 written over a light beige 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.

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 scheliuss@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 written over a light beige 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
Phone: 913-551-7763

Sean Chelius

From: Melenie Wonderlich <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

From: Sean Chelius [<mailto:SChelius@hsenv.com>]
Sent: Wednesday, October 01, 2014 7:50 AM
To: 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.

>

>

>

> 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>>

>

> <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 I AAP sept. 1952 and work in watertreatment.
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.
Cruck 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 By 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.

Team Member: 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.

Team Members: Mr. Patrick Schauble and Mr. Stephen Deeter (H&S Environmental)	
Monday: 20 April 2015	Mobilize to Burlington, IA.
Tuesday: 21 April 2015	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. Following the RAB meeting, the team interviewed Mr. Vaughn Moore. The team visited IAAAP to obtain the necessary access and camera pass for the planned reconnaissance visit of Mathes Lake. Attended a safety briefing. After leaving IAAAP, the team assembled the necessary equipment for the reconnaissance visit including kayaks to allow access to the Mathes Lake.
Wednesday: 22 April 2015	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: • Line 8 • Contaminated Clothing Laundry • Main Heating Plant (MHP) and associated features • Fly Ash Landfill • Emergency Reservoir • Inert Disposal Area (IDA) • Former Boy Scout Camp 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. 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

	the focus of the PA.
Wednesday: 22 April 2015 (continued)	Following the windshield tour, the team initiated a visual inspection of Mathes Lake. This was accomplished using kayaks in the following manner: • Reviewed working over water safety requirements. Donned personal floatation devices. • Entered the lake at the boat launch near the dam on the eastern side of the lake. Traveled northwest along outer perimeter shoreline. • 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. • 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). • 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). • 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). • Returned along the outer (southern perimeter) of the lake along the dam back to the boat ramp. • Inspected Long Creek below the dam. 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. 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. Demobilized from the site and returned equipment.
Thursday: 23 April 2015	Mobilized to IAAAP. Performed a windshield inspection of downgradient areas along Long Creek outside the IAAAP boundary. Noted recreational areas along Skunk Creek. Debriefed Ms. Zaynab Murray (IAAAP) on the visit. Demobilized from the IAAAP.

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.

Location: Line 8 (IAAAP-009)	 A photograph showing a gravel road or driveway. On the left side of the road, there are several trees with bare branches and some green grass. On the right side, there is a building with a corrugated metal roof and a wooden deck or platform. The road leads into the distance towards more trees.
Description: PHOTOGRAPH #1 South view of Texas Ave. with Building 8-81-3 to the right. Date: 22 April 2015	
Location: Emergency Reservoir	 A photograph of a large body of water, identified as the Emergency Reservoir. In the foreground, there is a concrete structure with two circular openings, possibly a culvert or part of a dam. The water is dark blue, and the sky is clear and blue. The shoreline is covered with dry grass and some trees in the background.
Description: PHOTOGRAPH #2 North-northwest view of reservoir with the Main Heating Plant to the south-southeast of this location. Date: 22 April 2015	

Location:
**Fly Ash Landfill
(IAAAP-027)**

Description:

PHOTOGRAPH #3
South view of landfill
from the south side of the
Emergency Reservoir

Date:

22 April 2015



Location:
Main Heating Plant

Description:

PHOTOGRAPH #4
South-southeast view of
Heating Plant from the
south side of the
Emergency Reservoir

Date:

22 April 2015



Location: Coal Settling Pond	 A photograph showing an east view of the Coal Settling Pond. The pond is a calm body of water surrounded by grassy banks. In the foreground, there is a muddy, eroded area with some vegetation. A utility pole is visible on the left side of the pond. The background shows a line of trees and a clear sky.
Description: PHOTOGRAPH #5 East view of the settling pond while standing at the western edge. Date: 22 April 2015	
Location: Coal Treating Pond	 A photograph showing a south view of the Coal Treating Pond. The pond is a large body of water with a concrete structure and a small building in the background. The foreground is a gravelly area with some grass. The background shows a line of trees and a clear sky.
Description: PHOTOGRAPH #6 South view of pond while standing on the northern edge. Date: 22 April 2015	

Location:
**Mathes Lake Dam
Spillway**

Description:

PHOTOGRAPH #7
North-northwest view of
the spill way of Mathes
Lake dam while standing
on Plant Road I.

Date:

22 April 2015



Location:
**Inert Disposal Area
(IAAAP-020)**

Description:

PHOTOGRAPH #8
North-northeast view of
disposal area while
standing on the southern
edge.

Date:

22 April 2015



Location: Inert Disposal Area (IAAAP-020)	 A photograph showing a small, light-colored building with two doors, situated in a grassy field. The building is surrounded by trees and a utility pole is visible in the background.
Description: PHOTOGRAPH #9 West view of groundwater treatment plant building located on the southwest corner of the disposal area. Date: 22 April 2015	
Location: Old Water Line Support	 A photograph showing a dense forest of trees, mostly without leaves, with some green foliage in the foreground.
Description: PHOTOGRAPH #10 North-northwest view of abandon water line support along the western edge of Texas Ave. Date: 22 April 2015	

Location: Mathes Lake	
Description: PHOTOGRAPH #11 North view of Long Creek tributary entering Mathes Lake. This location receives surface water from Main Heating Plant. Date: 22 April 2015	
Location: Mathes Lake	
Description: PHOTOGRAPH #12 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. Date: 22 April 2015	

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

Location: Mathes Lake	
Description: PHOTOGRAPH #15 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: 22 April 2015	
Location: Location: Mathes Lake	
Description: PHOTOGRAPH #16 North-northwest view a block structure along the northern banks of Mathes Lake with Long Creek to the left of this location. Date: 22 April 2015	

Location:
Long Creek

Description:

PHOTOGRAPH #17
North-northwest view of
Long Creek as it enters
Mathes Lake. Note the
extent of sediment
buildup.

Date:

22 April 2015



Location:
Long Creek

Description:

PHOTOGRAPH #18
North-northwest view
Long Creek as it enters
the Firing Site Area
(IAAAP-030).

Date:

22 April 2015



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



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

Location: Mathes Lake	 A photograph showing a wide, sandy beach in the foreground. In the background, a river (Long Creek) flows into a larger body of water (Mathes Lake). The riverbank is lined with trees and vegetation. Two small boats are visible in the water near the shore.
Description: PHOTOGRAPH #23 North view of Long Creek as it enters Mathes Lake after traveling past the Firing Site Area (IAAAP-030). Date: 22 April 2015	
Location: Mathes Lake	 A photograph showing a wide view of Mathes Lake. The water is calm, and the shoreline is lined with trees and vegetation. A small, sandy beach is visible in the foreground. The sky is clear and blue.
Description: PHOTOGRAPH #24 East view of Mathes Lake with the center wooded area in the center of the photograph. Date: 22 April 2015	

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

Location:
**Mathes Lake Boat
Launch**

Description:

PHOTOGRAPH #27
South-southeast view
from Mathes Lake boat
launch.

Date:

22 October 2014



Location:
**Mathes Lake Boat
Launch**

Description:

PHOTOGRAPH #28
East-southeast view from
Mathes Lake boat launch
viewing the control
building for the dam.

Date:

22 October 2014



Location:
Mathes Lake Dam

Description:

PHOTOGRAPH #29
South-southwest view of
the railroad tracks which
pass over Mathes Lake
dam.

Date:

22 October 2014



Location:
Mathes Lake Dam

Description:

PHOTOGRAPH #30
South-southwest view of
the east facing slope with
erosion control in place.

Date:

22 October 2014



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



This space is intentionally left blank.

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". The signature is stylized and fluid.

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)



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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.

Sincerely,

A handwritten signature in black ink, appearing to read "Dan Cook", written over a horizontal line.

Daniel Cook
Environmental Specialist Senior
Contaminated Sites Section

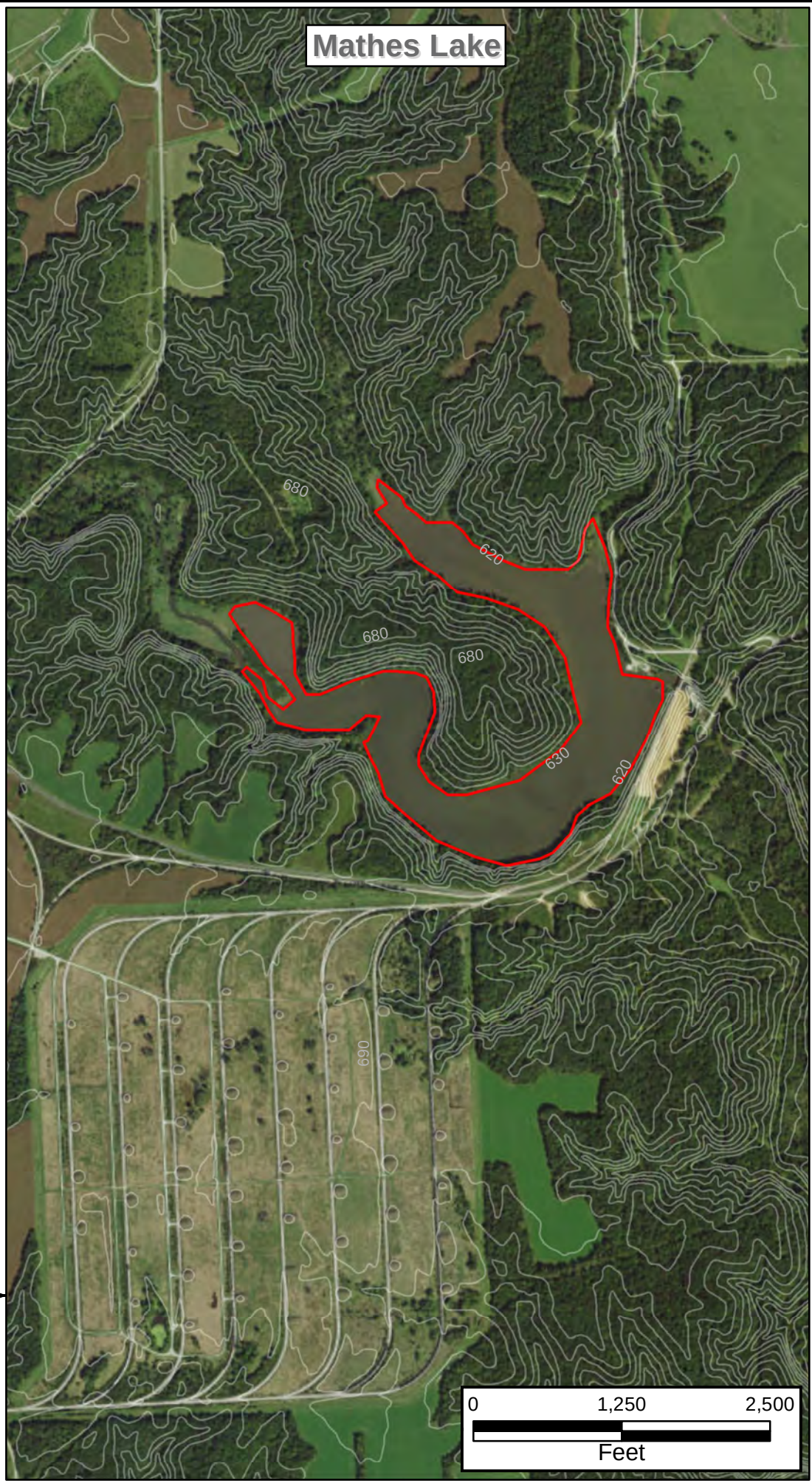
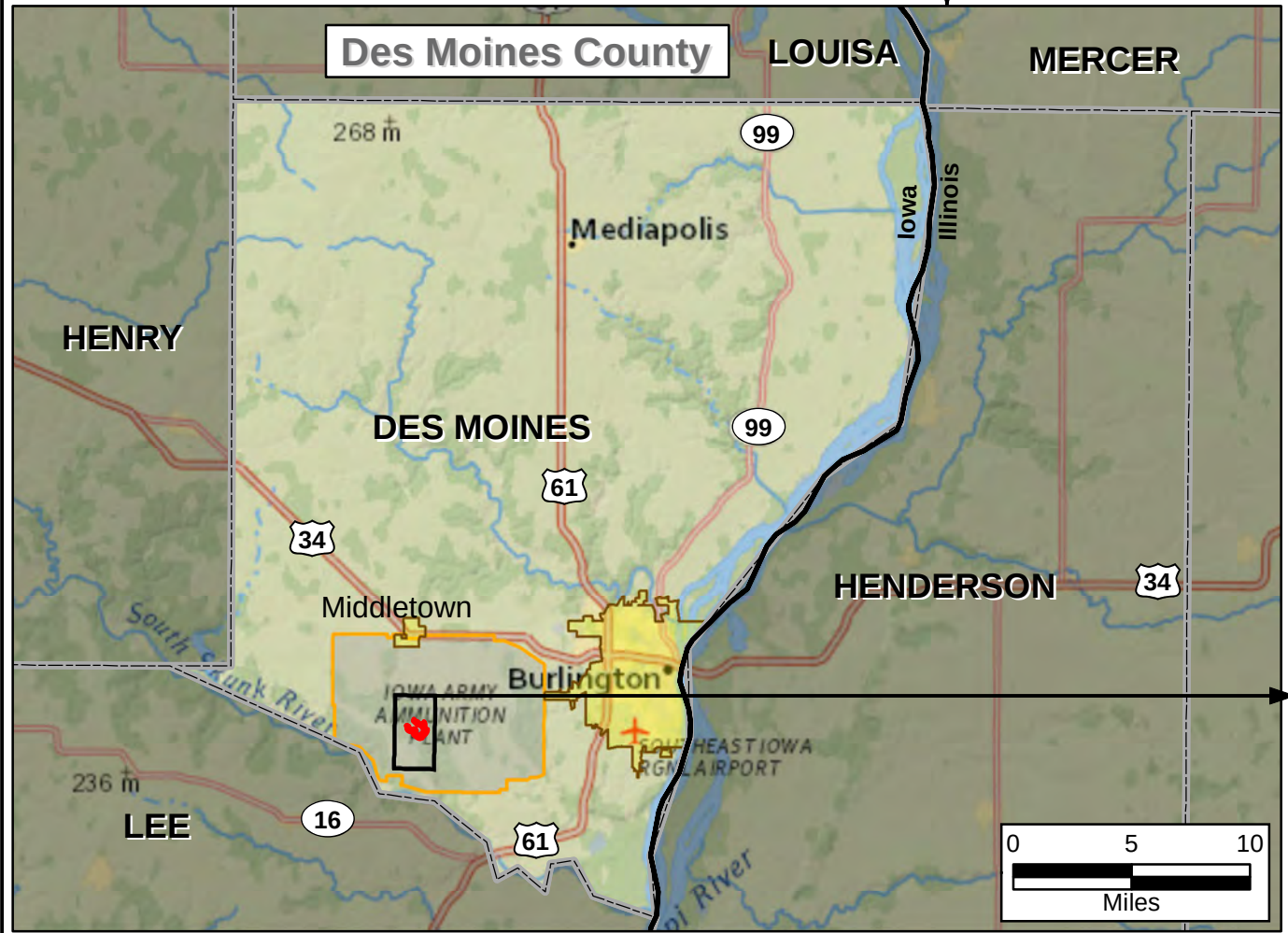
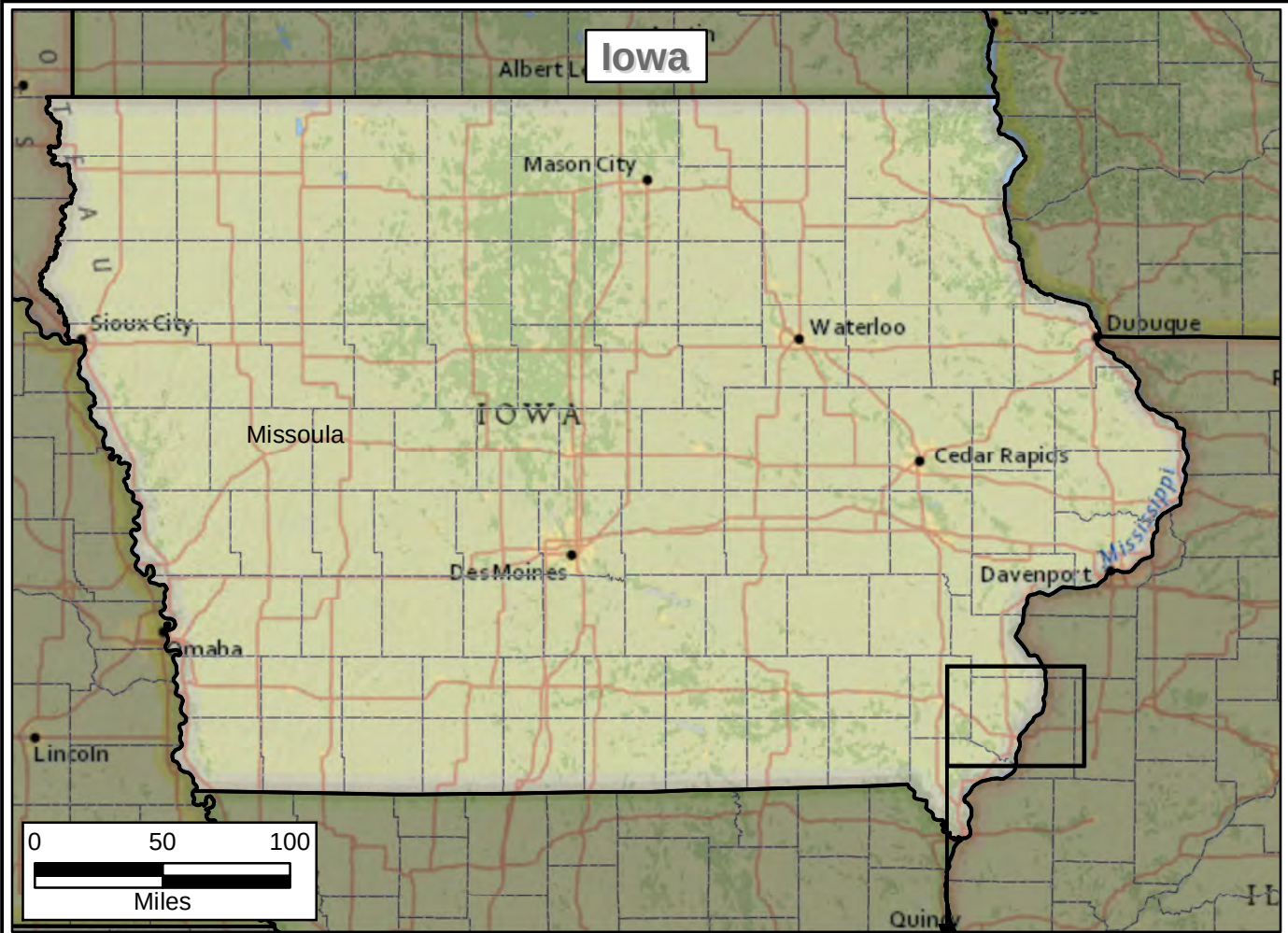
c: Todd Davis U. S. EPA Region 7, 11201 Renner Boulevard, Lenexa, Kansas 66219

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.





Scale Varies

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 1

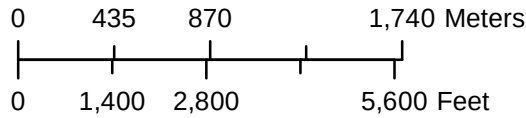
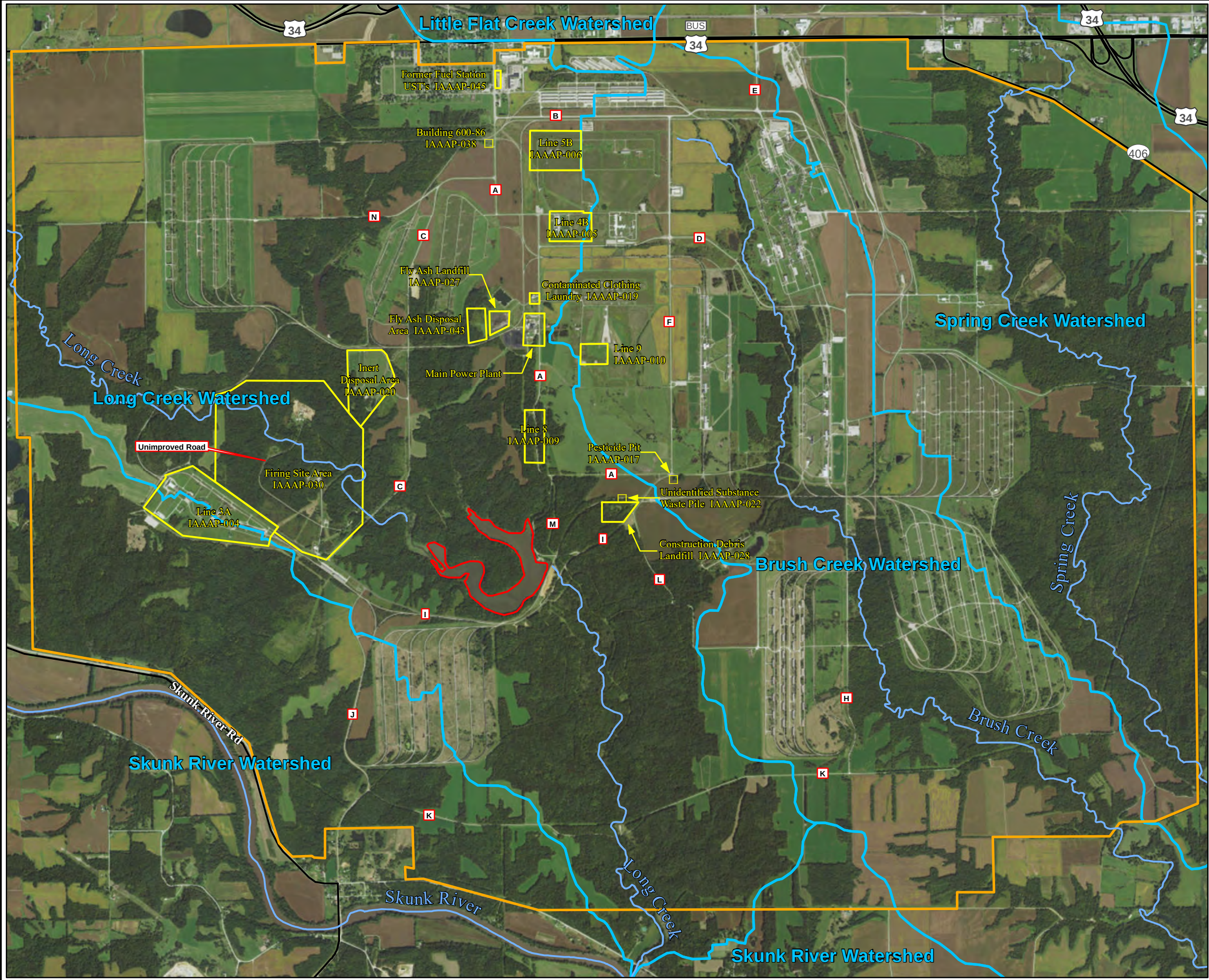
Regional Location Map

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

USACE Omaha District		H&S Environmental, Inc.	
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:

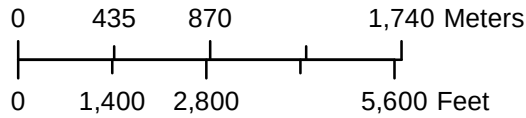
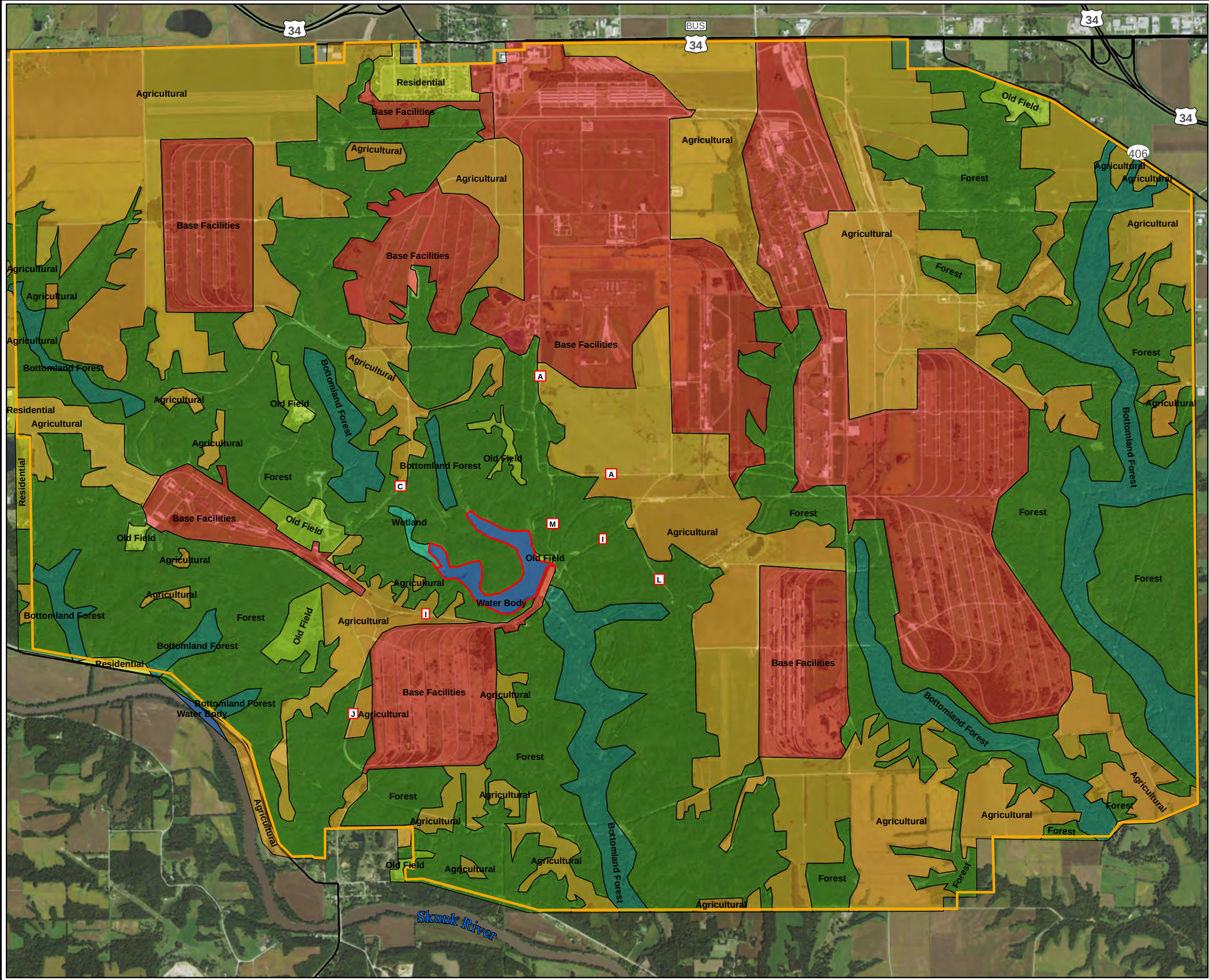
Date Drawn: 9/30/2015

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:

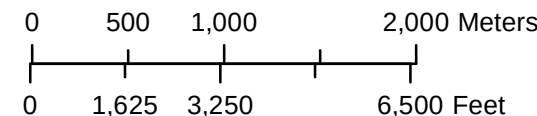
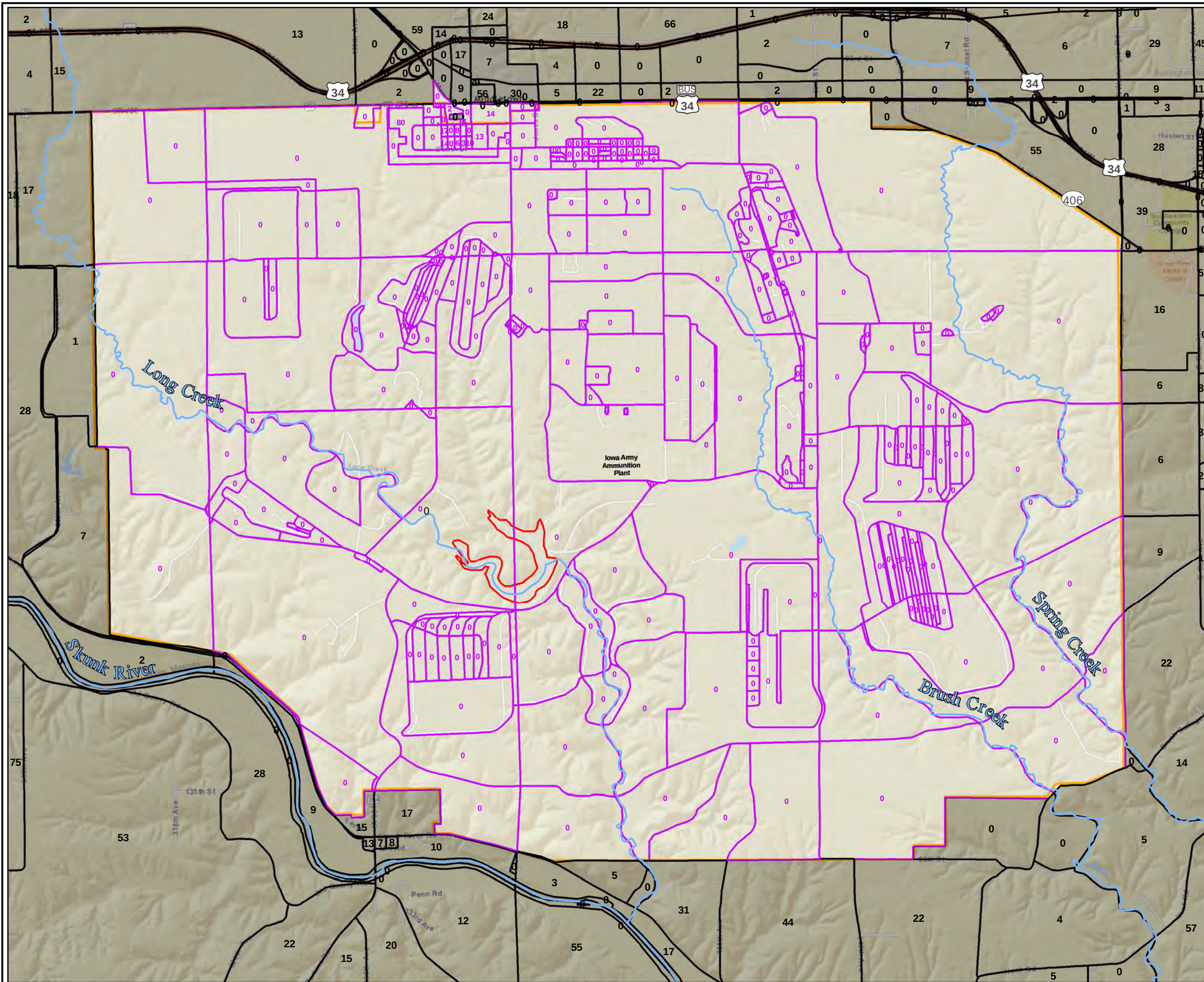
Date Drawn: 7/16/2015

Submitted By:

Revision Date:



Path: S:\Omaha PA\Mathes Lake\Maps\MXD\Plate3 Land Use 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.

USACE
Omaha District

H&S Environmental, Inc.

Drawn By: CLH

Scale: 1 inch = 1,000 meters

Rev:

Checked By:

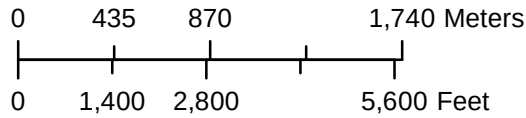
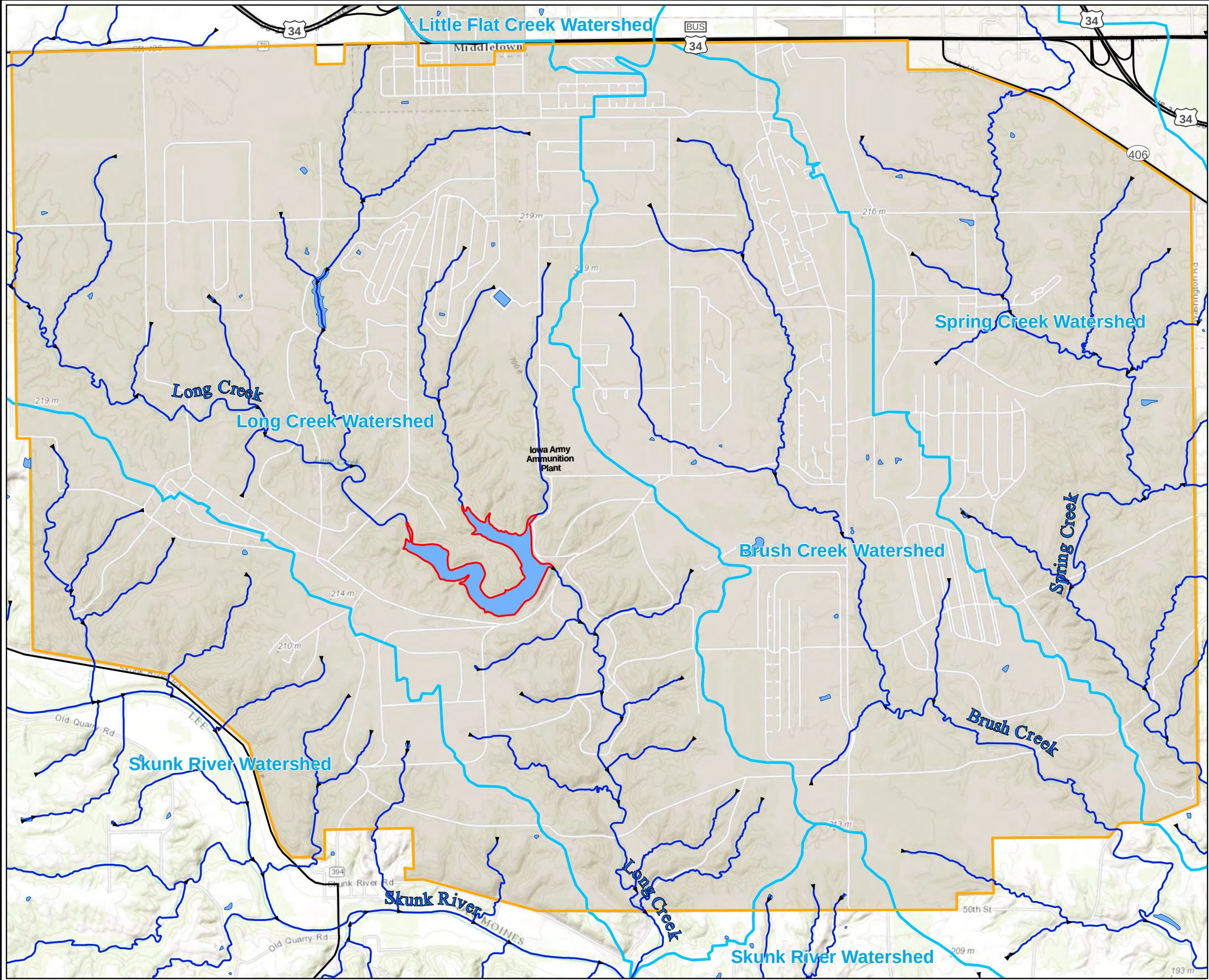
Date Drawn: 6/25/2015

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 7

Surface Water Pathway On-Site Map

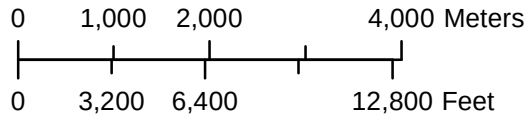
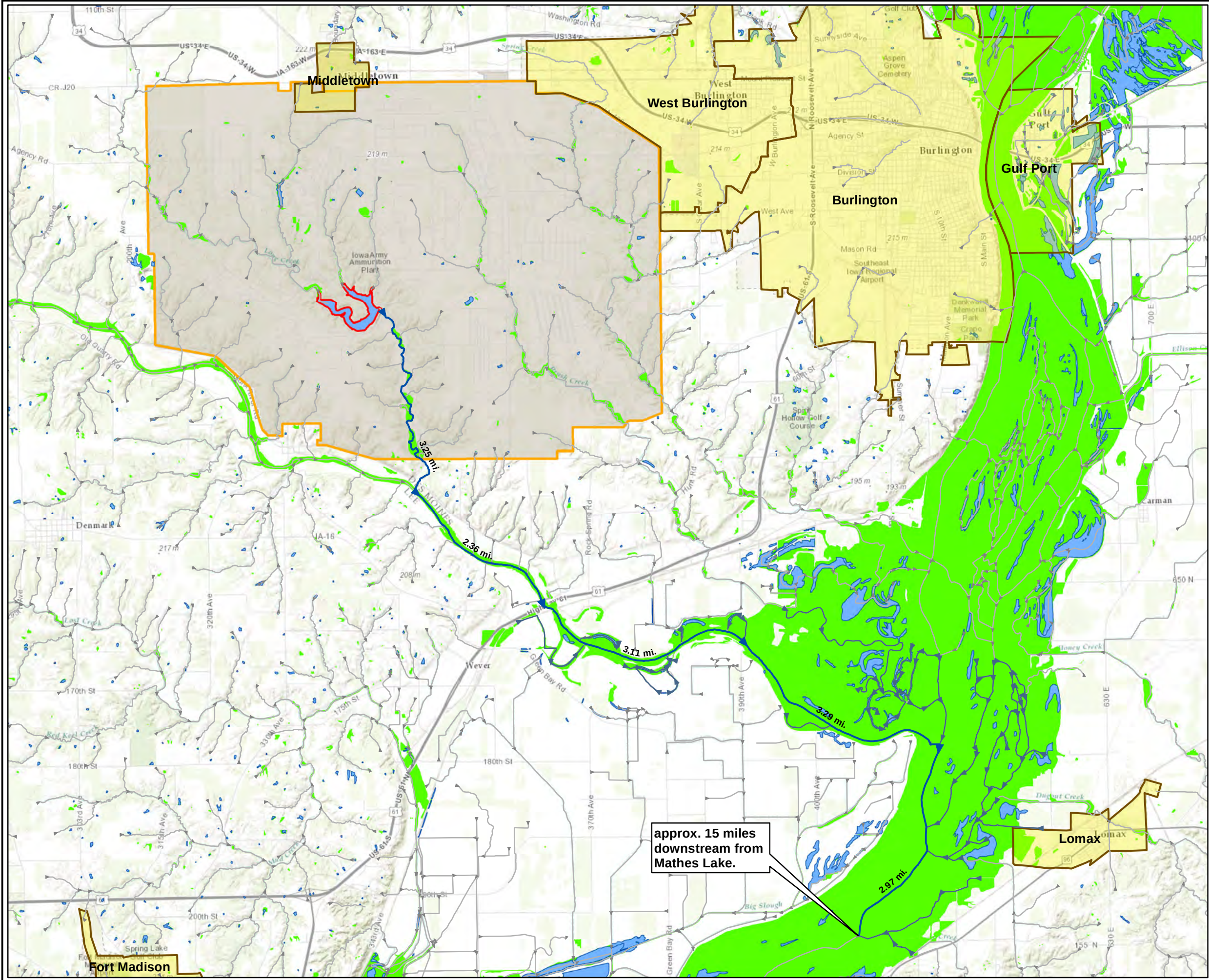
H & S Environmental, Inc.
Contract W9128F-13-D-0031

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

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:	
		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

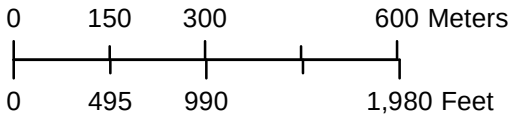
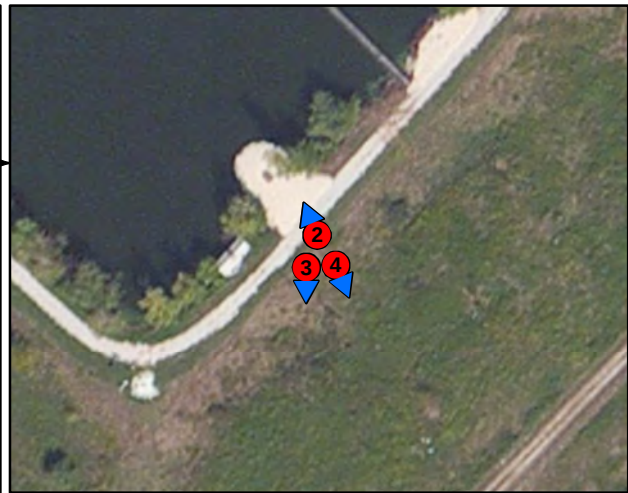
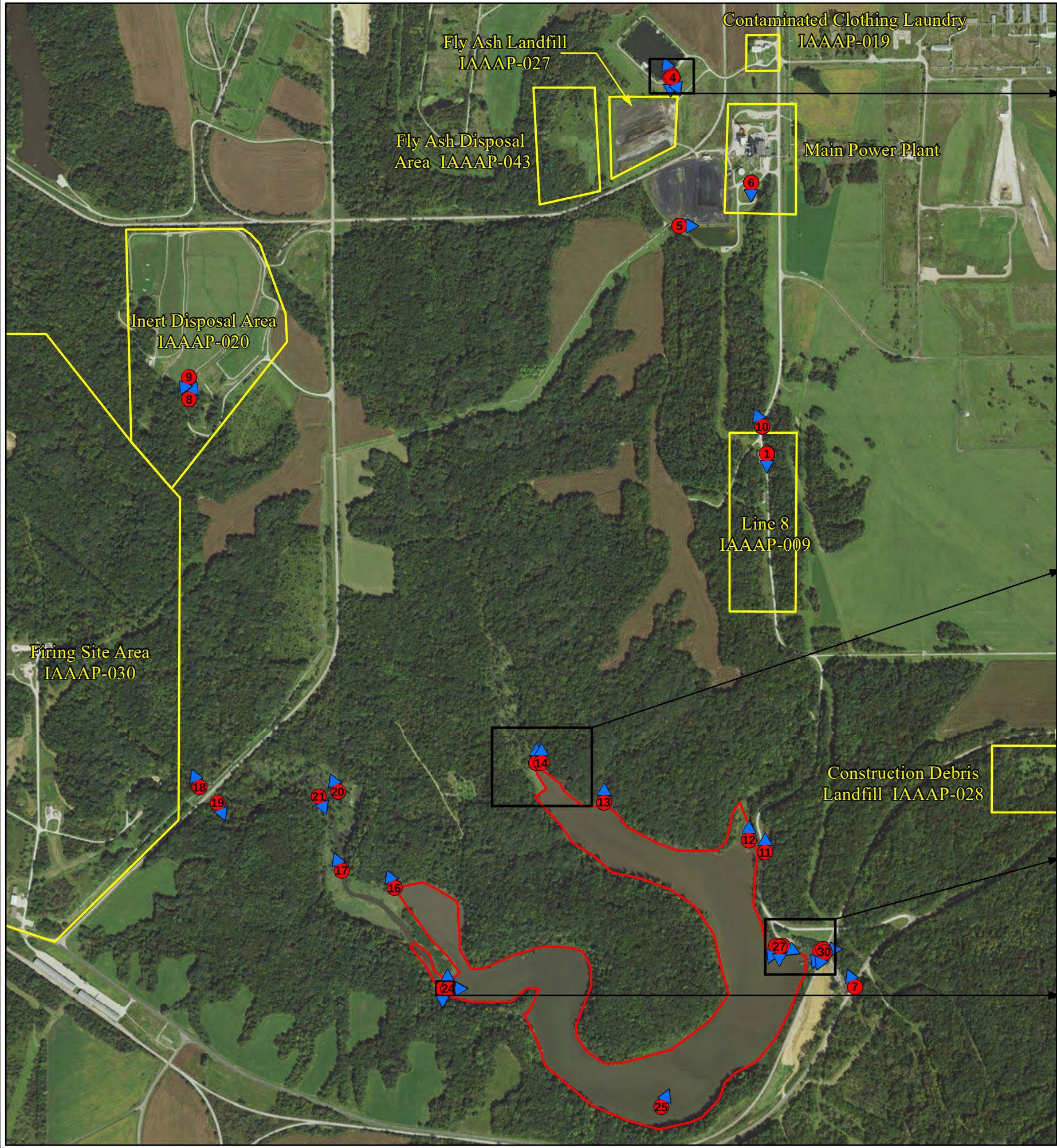
H & S Environmental, Inc.
Contract W9128F-13-D-0031

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

USACE Omaha District		H&S Environmental, Inc.	
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	



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 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

USACE Omaha District		H&S Environmental, Inc.	
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

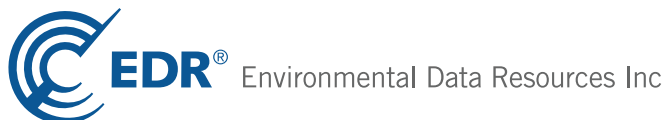
Lake Mathes

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

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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>
IOWA ARMY AMMUNITION	17571 STATE HWY 79	0 - 1/8 (0.000 mi.)	0	32

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>
IOWA ARMY AMMUNITION	17571 STATE HWY 79	0 - 1/8 (0.000 mi.)	0	32

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>
IOWA ARMY AMMUNITION	17571 STATE HWY 79	0 - 1/8 (0.000 mi.)	0	32
ICI AMERICAS INC	17575 HWY 79	NNW >2 (3.116 mi.)	F81	257

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>
IOWA ARMY AMMUNITION	17571 STATE HWY 79	0 - 1/8 (0.000 mi.)	0	32
ICI AMERICAS INC	17575 HWY 79	NNW >2 (3.116 mi.)	F81	257

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>
IOWA ARMY AMMUNITION	17571 STATE HWY 79	0 - 1/8 (0.000 mi.)	0	32

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>
ICI AMERICAS INC	17575 HWY 79	NNW >2 (3.116 mi.)	F81	257
RILEY INDUSTRIAL PAI	15310 HWY 34 W	NE >2 (3.956 mi.)	M110	406
IOWA DEPT OF TRANSP	617 BEAVERDALE RD	NE >2 (4.292 mi.)	O129	434

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
COLLISION CENTER COR	4000 W MT PLEASANT S	NE >2 (4.083 mi.)	M123	429
FEDEX FREIGHT INC BR	14432 WASHINGTON RD	NNE >2 (4.369 mi.)	Q142	444
UNITED PARCEL SERVIC	2514 W MT PLEASANT C	NE >2 (4.671 mi.)	V203	486
GREAT RIVER MEDICAL	1221 S GEAR AVE	ENE >2 (4.865 mi.)	W209	497

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>
IOWA ARMY AMMUNITION	17571 STATE HWY 79	0 - 1/8 (0.000 mi.)	0	32

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>
IOWA ARMY AMMUNITION	17571 STATE HWY 79	0 - 1/8 (0.000 mi.)	0	32

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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
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. PRAIRIE 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.

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

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

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>
IOWA ARMY AMMUNITION	17571 STATE HWY 79	0 - 1/8 (0.000 mi.)	0	32

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

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>
IOWA ARMY AMMUNITION Facility Id: 2312 Facility Status: Open	17571 STATE HIGHWAY	NNW >2 (3.115 mi.)	F34	210

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>
IOWA ARMY AMMUNITION Status: Open Site Id Number: 2312	17571 STATE HIGHWAY	NNW >2 (3.115 mi.)	F34	210

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>
IOWA ARMY NATIONAL G Facility Id: 052411-AHB-1021	16815 HWY 34	N >2 (3.028 mi.)	B10	186
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
IOWA ARMY AMMUNITION Facility Id: 022012-JJS-2346	17575 DMC HIGHWAY 79	NNW >2 (3.116 mi.)	F78	253
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>
WEVER JUNCTION Facility Id: 120814-KRL-1030	1621 GREEN BAY RD	SSE >2 (4.884 mi.)	Y213	501

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>
IOWA ARMY AMMUNITION	17571 STATE HWY 79	0 - 1/8 (0.000 mi.)	0	32

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	17571 HWY 79	NNW >2 (3.115 mi.)	F35	212
BIG RIVER RESOURCES	15210 103RD ST	NNE >2 (3.738 mi.)	J100	379

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>
J & J STEEL-IDEAL RE	301 S BEAVERDALE RD	NE >2 (4.117 mi.)	126	432
SOUTHEASTERN COMMUNI	1500 W AGENCY ROAD	ENE >2 (4.484 mi.)	T190	480
SOUTHEASTERN COMMUNI	1500 W AGENCY ROAD	ENE >2 (4.484 mi.)	T191	480

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>
J & J STEEL-IDEAL RE	301 S BEAVERDALE RD	NE >2 (4.117 mi.)	126	432
SOUTHEASTERN COMMUNI	1500 W AGENCY ROAD	ENE >2 (4.484 mi.)	T190	480
SOUTHEASTERN COMMUNI	1500 W AGENCY ROAD	ENE >2 (4.484 mi.)	T191	480

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

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 of 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>
IOWA ARMY AMMUNITION	17571 STATE HWY 79	0 - 1/8 (0.000 mi.)	0	32
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

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
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
ICI AMERICAS INC	17575 HWY 79	NNW >2 (3.116 mi.)	F81	257
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
BIG RIVER RESOURCES	15210 103RD ST	NNE >2 (3.738 mi.)	J100	379
BIG RIVER RESOURCES	10324 150TH AVE	NNE >2 (3.816 mi.)	I02	381
REIF OIL CO	4411 W MOUNT PLEASAN	NE >2 (3.982 mi.)	M114	413
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
COLLISION CENTER COR	4000 W MT PLEASANT S	NE >2 (4.083 mi.)	M123	429
IDEAL READY MIX CO I	3902 WEST MOUNT PLEA	NE >2 (4.106 mi.)	N124	431
IOWA DEPT OF TRANSP	617 BEAVERDALE RD	NE >2 (4.292 mi.)	O129	434
IDOT MAINT GARAGE	645 N BEAVERDALE RD	NE >2 (4.310 mi.)	O131	437
MDM ENTERPRISES	18929 110TH ST	NNW >2 (4.346 mi.)	I33	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
IDEAL READY MIX CO I	2880 MOUNT PLEASANT	NE >2 (4.425 mi.)	182	467
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
UNITED PARCEL SERVIC	2514 W MT PLEASANT C	NE >2 (4.671 mi.)	V203	486
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
AGRILANCE LLC - DEN	1514 303RD AVENUE	SW >2 (4.884 mi.)	Z223	526
KYLE REID	10998 WILDLIFE LAKES	NE >2 (4.972 mi.)	229	536
Lower Elevation	Address	Direction / Distance	Map ID	Page
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.)	I01	381
CRUTCHER, RAY AND KI	1593 353RD AVENUE	SSE >2 (4.211 mi.)	127	433
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>
IOWA ARMY AMMUNITION	17571 STATE HWY 79	0 - 1/8 (0.000 mi.)	0	32

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>
IOWA ARMY AMMUNITION ACT Status: A FID: 999566590 EPA ID: IA7213820445	17571 STATE HWY 79	0 - 1/8 (0.000 mi.)	0	32
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>
IOWA ARMY AMMUNITION ACT Status: A FID: 999566590 EPA ID: IA7213820445	17571 STATE HWY 79	0 - 1/8 (0.000 mi.)	0	32

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>
IOWA ARMY AMMUNITION Permit Number: 2900900	17571 STATE HIGHWAY	NNW >2 (3.115 mi.)	F34	210
BIG RIVER RESOURCES Permit Number: 2900112	15210 103RD STREET	NNE >2 (3.736 mi.)	J99	355
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>
IOWA ARMY NATIONAL G Status: Minor Facility Id: 29-05-004	16815 HWY 34	N >2 (3.028 mi.)	B10	186
IOWA ARMY AMMUNITION Facility Id: 29-01-004	17571 STATE HIGHWAY	NNW >2 (3.115 mi.)	F34	210

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
IOWA ARMY AMMUNITION Status: Minor Facility Id: 29-05-002 Facility Id: 29-05-003	17575 DMC HIGHWAY 79	NNW >2 (3.116 mi.)	F78	253
RILEY INDUSTRIAL PAI Facility Id: 29-01-079	15310 HIGHWAY 34 WES	NNE >2 (3.599 mi.)	J98	355
BIG RIVER RESOURCES Facility Id: 29-02-012	15210 103RD STREET	NNE >2 (3.736 mi.)	J99	355
REIF OIL COMPANY Status: Minor Facility Id: 29-02-014	4411 W MT PLEASANT S	NE >2 (3.982 mi.)	M115	417
DES MOINES COUNTY RE Status: Minor Facility Id: 29-02-010	13758 WASHINGTON RD	NNE >2 (4.418 mi.)	Q176	454
IDEAL READY MIX CO., Status: Minor Facility Id: 29-02-006	2280 MT PLEASANT ST	NE >2 (4.800 mi.)	V207	496
GREAT RIVER MEDICAL Status: Minor Facility Id: 29-02-008	1221 S GEAR AVE	ENE >2 (4.865 mi.)	W209	497

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>
IOWA ARMY AMMUNITION Facility Id: FAIDSIT2A00002257 State Id: IA	17575 HIGHWAY 79	NNW >2 (3.116 mi.)	F73	234
FERRELLGAS Facility Id: FAIDSIT2A00001463 Facility Id: 1463 State Id: IA	10135 SOUTH PRAIRIE	NNE >2 (3.149 mi.)	H89	327
BIG RIVER RESOURCES Facility Id: FAIDSIT2A00003806 Facility Id: 3806 State Id: IA	15210 103RD STREET	NNE >2 (3.736 mi.)	J99	355
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>
IOWA ARMY AMMUNITION Permit Number: 29-SDP-03-82 Status: Operation Permit Field Office Id: 6	17571 STATE HWY 79	NNW >2 (3.115 mi.)	F36	212

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>
CASEY'S GENERAL STOR Facility Id: 198606554	75 MAIN ST	N >2 (3.022 mi.)	B8	184
34 TRUCK STOP Facility Id: 198608976	4305 W MOUNT PLEASAN	NE >2 (4.004 mi.)	M120	419
RIVER MART Facility Id: 198600298	14562 WASHINGTON RD	NNE >2 (4.360 mi.)	Q134	442
UNITED PARCEL SERVIC Facility Id: 198606307	2514 W MT PLEASANT C	NE >2 (4.671 mi.)	V203	486
WESTLAND FAST BREAK Facility Id: 199617837	1108 W AGENCY RD	ENE >2 (4.870 mi.)	X210	499
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WEVER JUNCTION Facility Id: 199717940	1621 GREEN BAY RD	SSE >2 (4.884 mi.)	Y213	501

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>
ADVANCED ENVIRONMENT	17575 STATE HWY 79	NNW >2 (3.116 mi.)	F49	225
BIG RIVER RESOURCES	15210 103RD ST	NNE >2 (3.738 mi.)	J100	379
RILEY INDUSTRIAL PAI	15310 HWY 34 W	NE >2 (3.956 mi.)	M110	406
REIF OIL CO	4411 W MOUNT PLEASAN	NE >2 (3.982 mi.)	M114	413

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
IDEAL READY MIX CO I	2880 MOUNT PLEASANT	NE >2 (4.425 mi.)	182	467
GREAT RIVER MEDICAL	1221 S GEAR AVE	ENE >2 (4.865 mi.)	W209	497

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>
IOWA ARMY AMMUNITION	17571 STATE HWY 79	0 - 1/8 (0.000 mi.)	0	32
ICI AMERICAS INC	17575 HWY 79	NNW >2 (3.116 mi.)	F81	257

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.

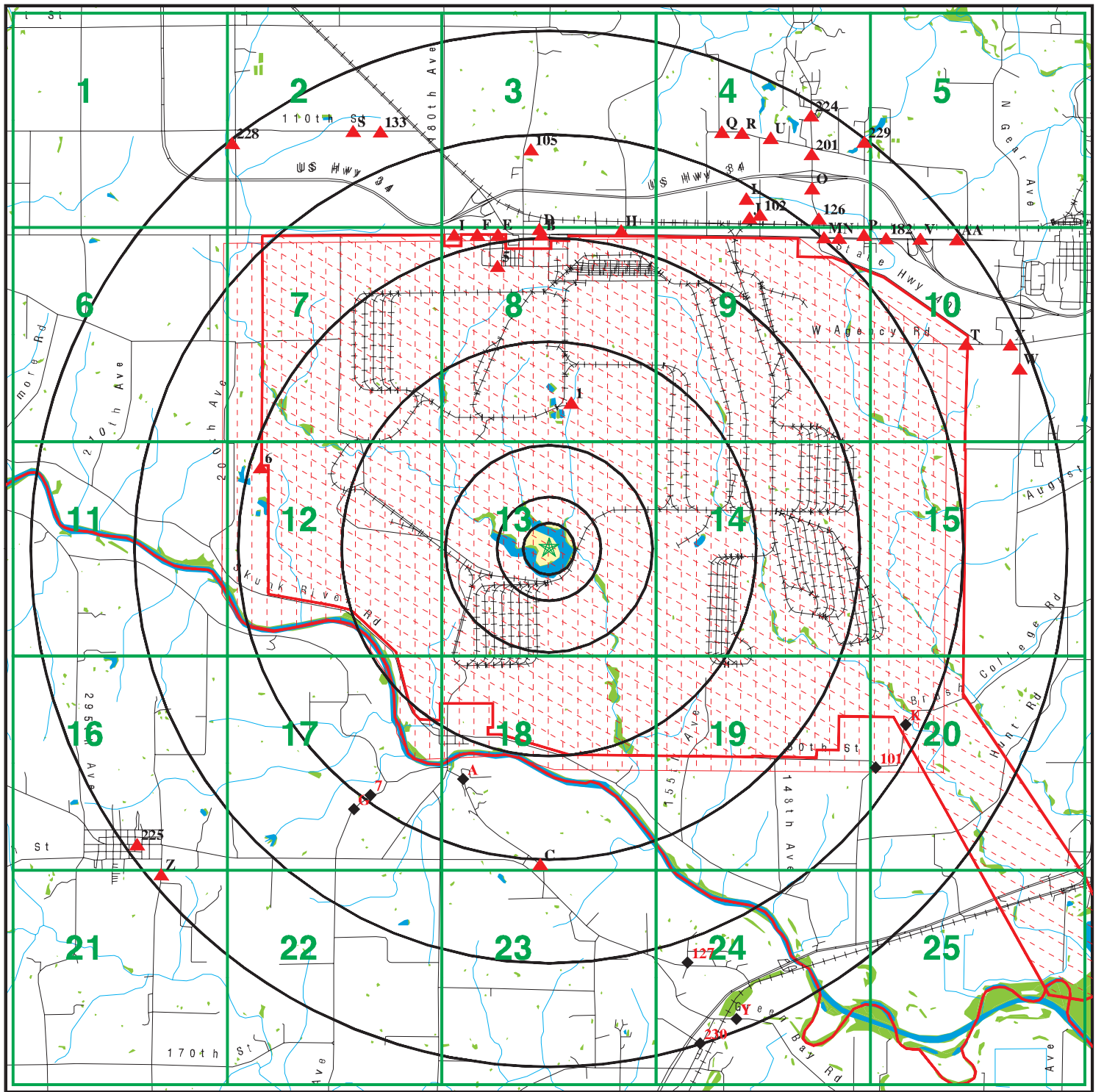
Site Name	Database(s)
IDEAL READY MIX CO INC - BURLINGTO	US AIRS
OMG MIDWEST DBA CESSFORD CONST CO.	FINDS, US AIRS
BURLINGTON NORTHERN SANTA FE RAILW	FINDS, US AIRS
INDUSTRIAL ENERGY APPLICATIONS INC	US AIRS
PINNACLE FOODS GROUP INC	US AIRS
FORT MADISON RO WATER TREATMENT PL	US AIRS
IOWA ARMY NATIONAL 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
CASEY'S GENERAL STORE #1028
MIDDLETOWN POST OFFICE
HERTZ PENSKE LEASING
AMAX INC
NOT KNOWN
BAIER FORD/CHRYSLER
RODEO PARK
DONALD L BLANCHARD
TED BEACH
JIM BAIER INC
MIDDLETOWN ARMY NATIONAL GUARD AFR
PENSKE TRUCK LEASING CO-FORMER SIT
COOK COMPOSITES & POLYMERS-FORMER
RUST ENGINEERING CO-FORMER SITE OF
PACE MOBILE LAB
CLIMAX MOLYBDENUM COMPANY
SIEMENS ENERGY INC L.P.-FT MADISON
MASON & HANGER-SILAS MASON CO., IN
US GYPSUM CO
SHIPLEY CONSTRUCTION COMPANY
NEW LONDON FARMERS COOP
CLIMAX MOLYBDENUM CO.
IDEAL READY MIX CO., INC. - BURLIN
JIM'S BODY SHOP INC.
SIEMENS POWER GENERATION, INC - FO
HENKEL CORPORATION
34 TRUCK STOP
WASHINGTON HEIGHTS CARE FACILITY
WASHINGTON HEIGHTS CARE FACILITY
IDOT MAINT GARAGE
WEST BURLINGTON WATER DEPT
DEERY BROTHERS
DENNY'S AUTO SERVICE, INC
DENNYL'S AUTO SERVICE, INC.
UNITED PARCEL SERVICE
UNITED PARCEL SERVICE
DES MOINES COUNTY SHOP

IA LUST
IA LUST
IA LUST
IA UST, IA Financial Assurance
IA UST
FINDS, IA UST
IA UST
IA UST
IA UST
IA UST
RCRA-SQG
RCRA-SQG
RCRA NonGen / NLR
RCRA NonGen / NLR
RCRA NonGen / NLR
RCRA NonGen / NLR
RCRA-CESQG, PADS
ICIS, FINDS
MLTS
US MINES
ICIS
SSTS
SSTS
IA AIRS
IA AIRS
IA AIRS
NY MANIFEST
IA RGA LUST
IA RGA LUST
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IA RGA LUST
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

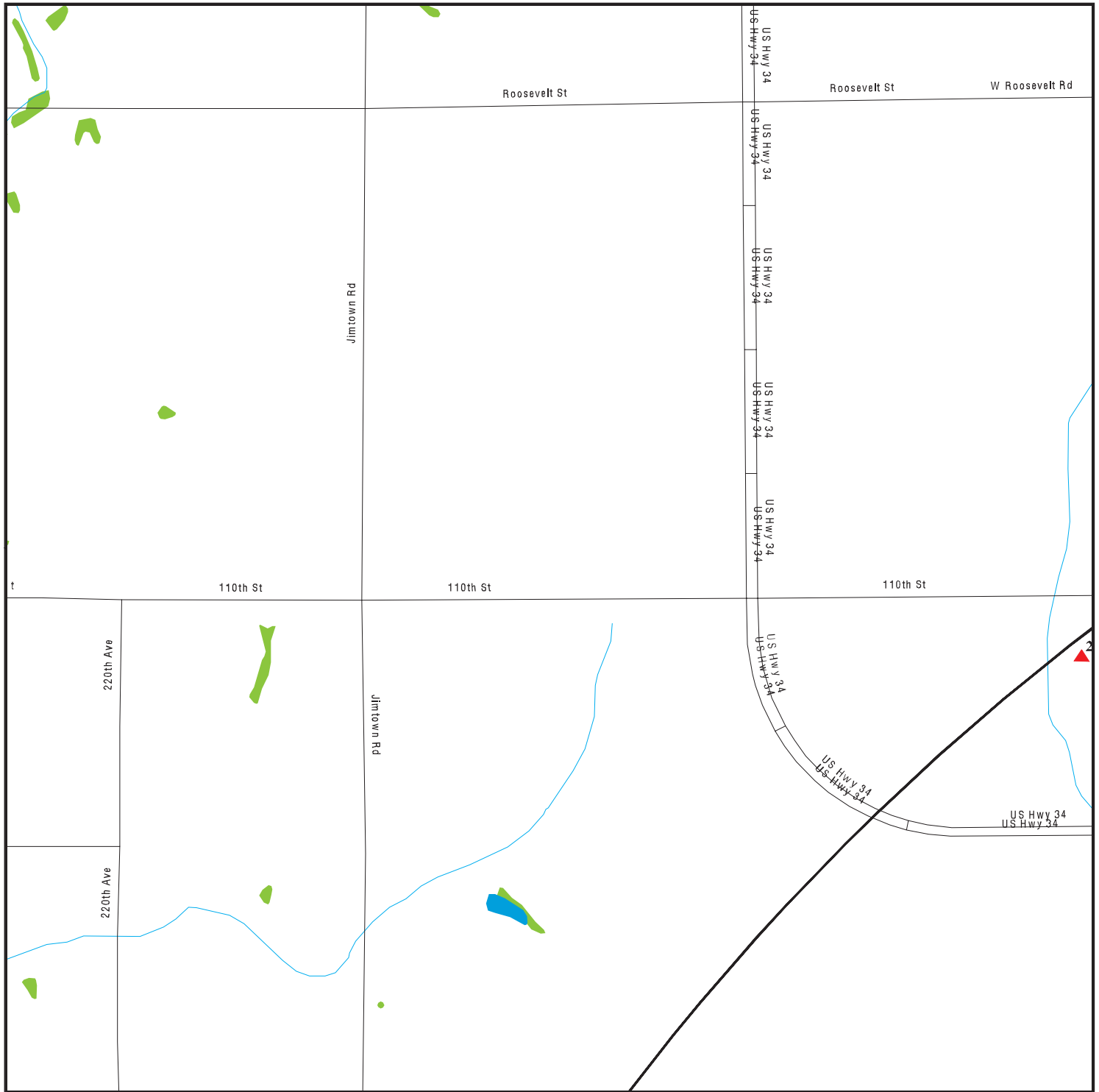
▨ Oil & Gas pipelines from USGS

▨ 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



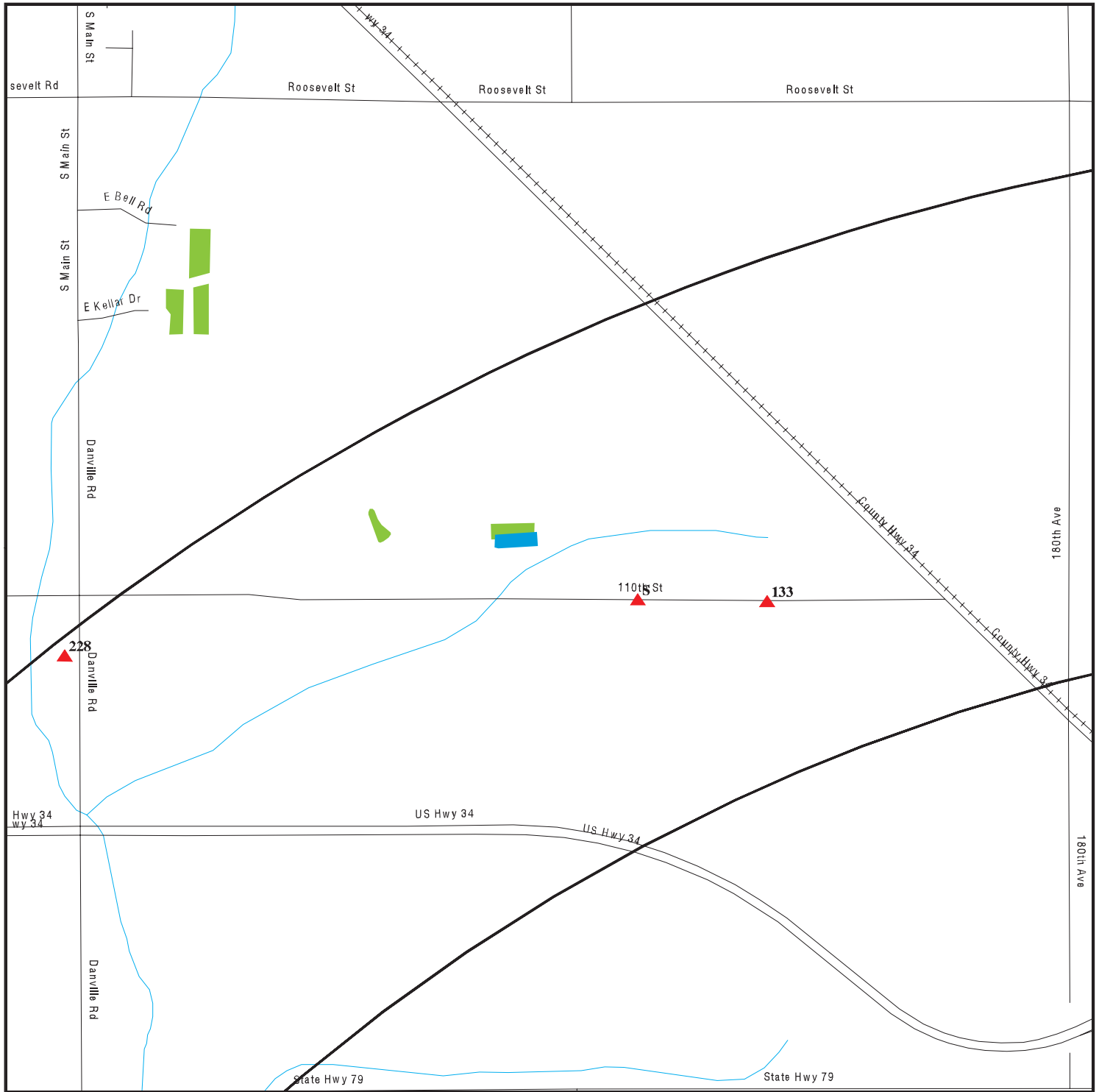
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- 🚚 National Priority List Sites
- 🏠 Dept. Defense Sites

- 🏠 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



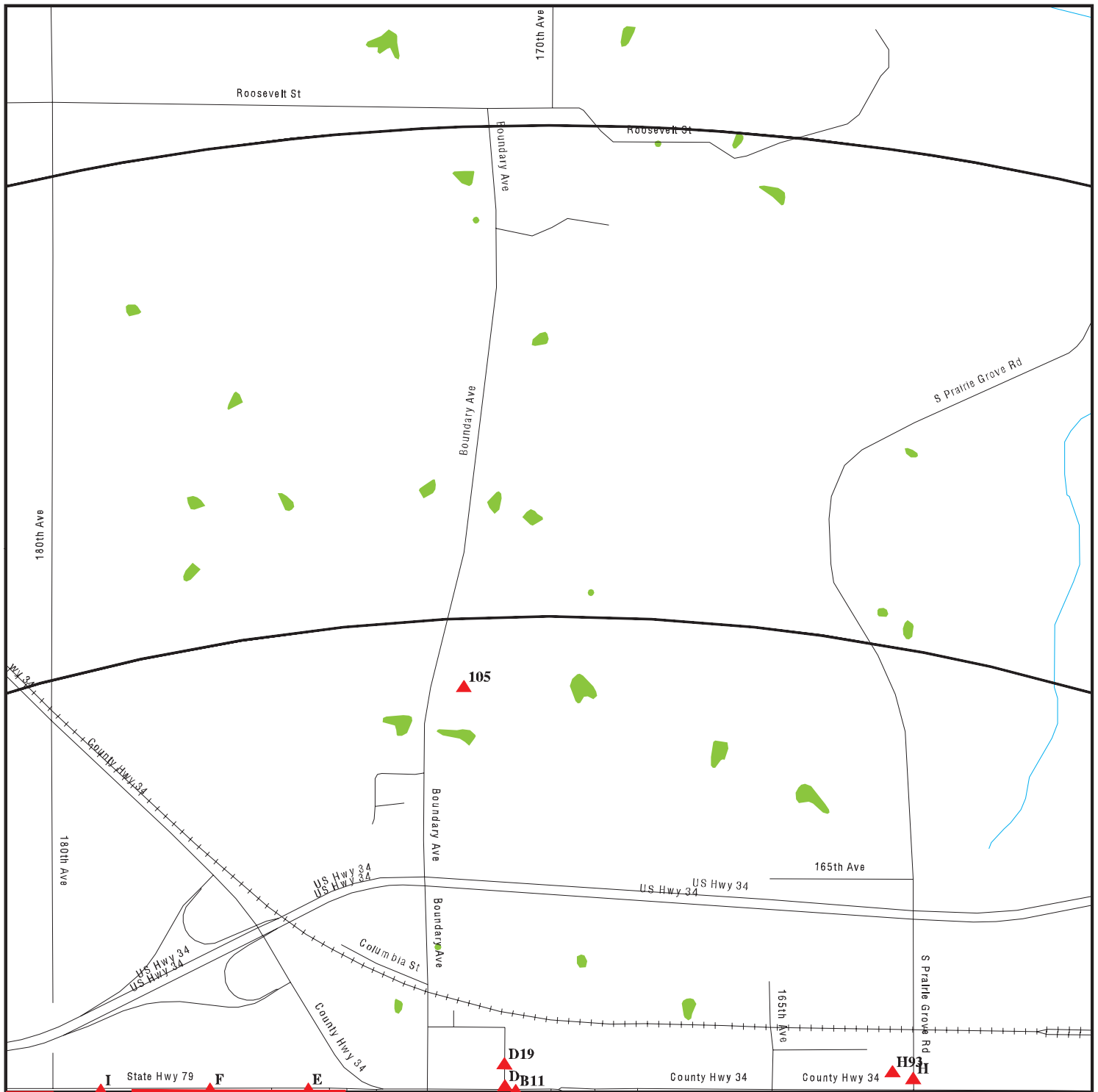
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
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- ▲ Manufactured Gas Plants
- ▲ Sensitive Receptors
- ▲ National Priority List Sites
- ▲ Dept. Defense Sites

- 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 2:14 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

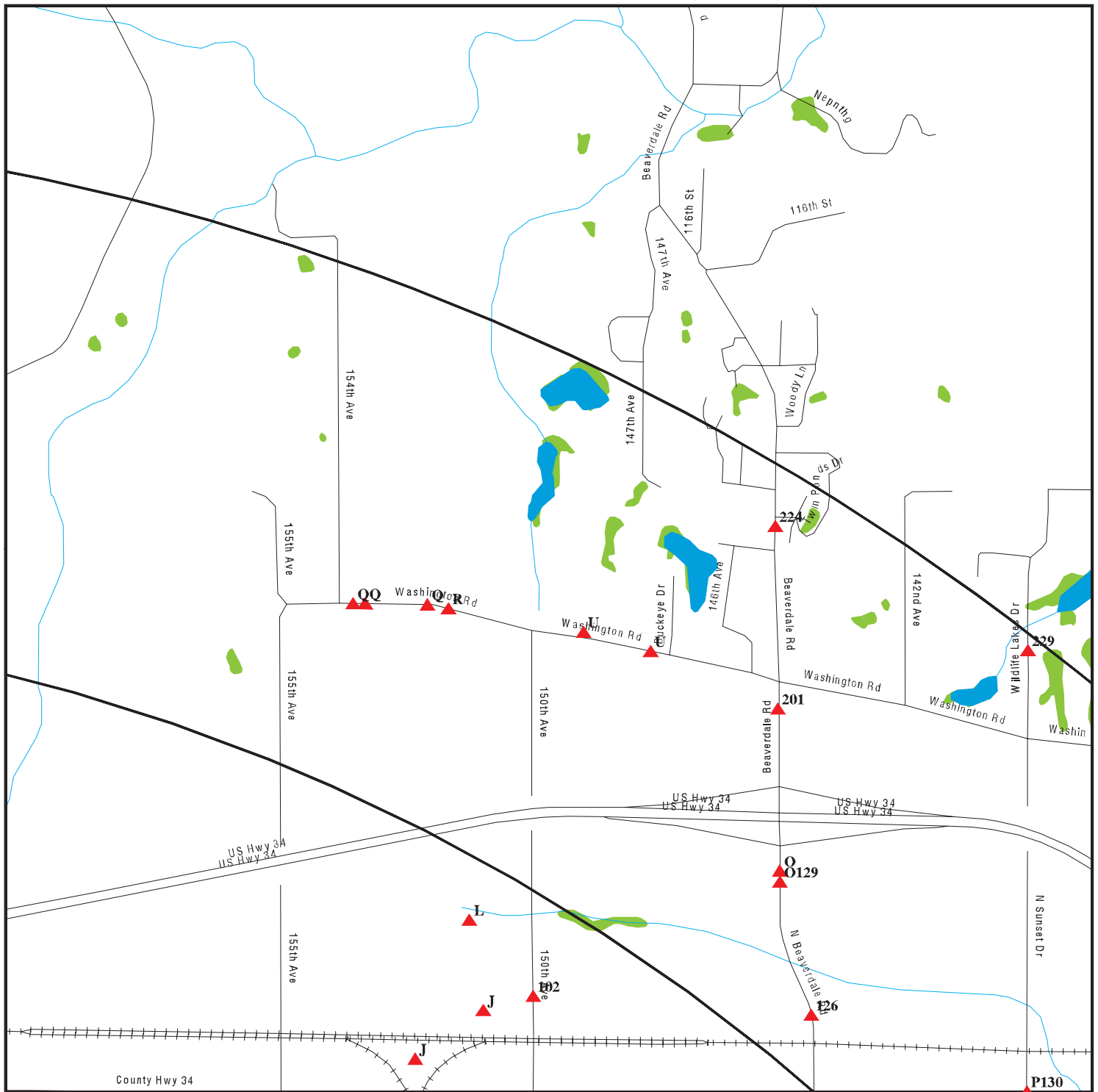
🏠 Oil & Gas pipelines from USGS

🏠 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 2:15 pm

DETAIL MAP - 4287912.2S



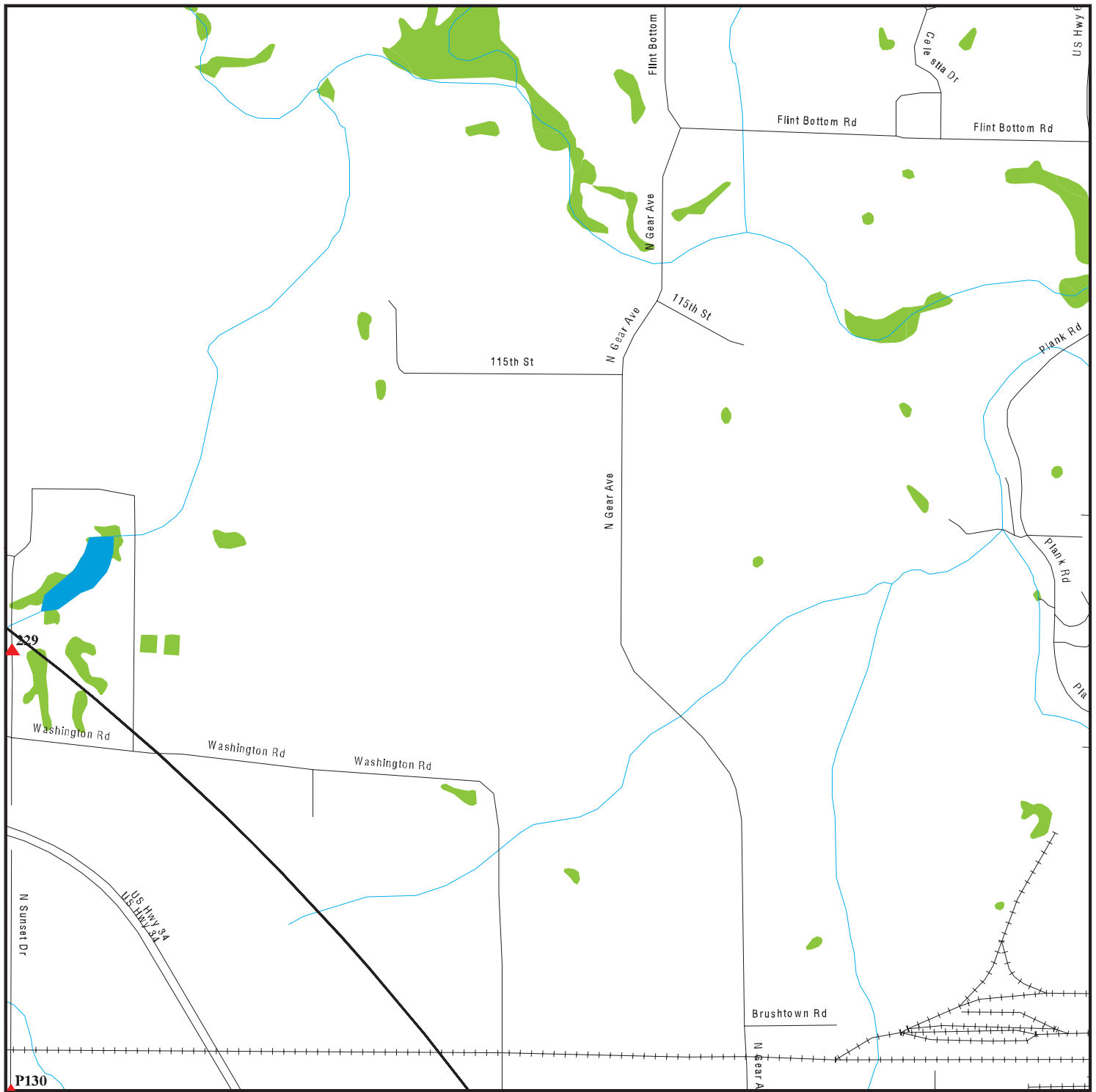
- ★ Target Property
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- ⚡ Sensitive Receptors
- 🚒 National Priority List Sites
- 🛡 Dept. Defense Sites

- 🏠 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 2:16 pm

DETAIL MAP - 4287912.2S



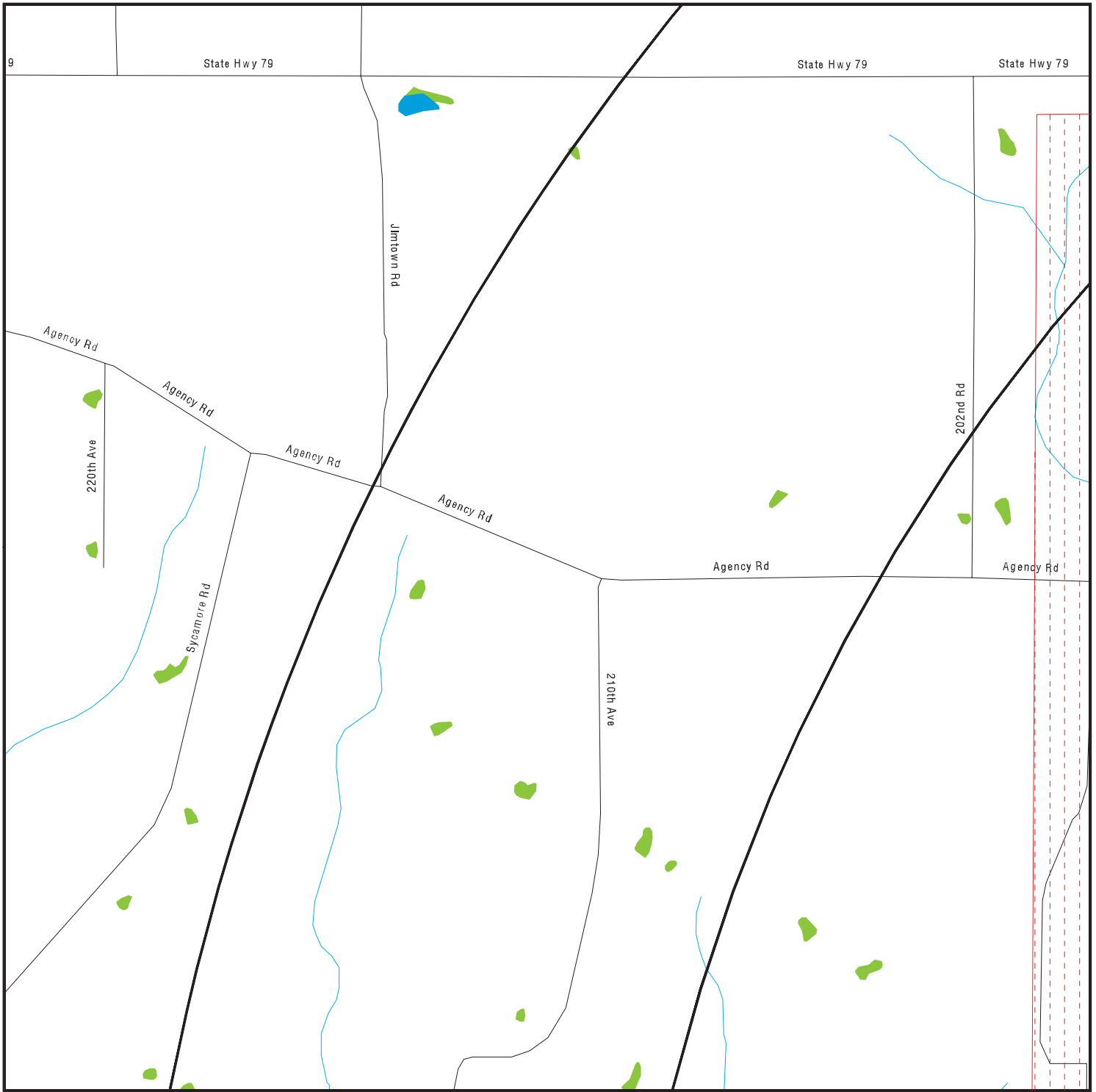
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- 🚚 National Priority List Sites
- 🏠 Dept. Defense Sites

- 🏠 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 2:17 pm

DETAIL MAP - 4287912.2S



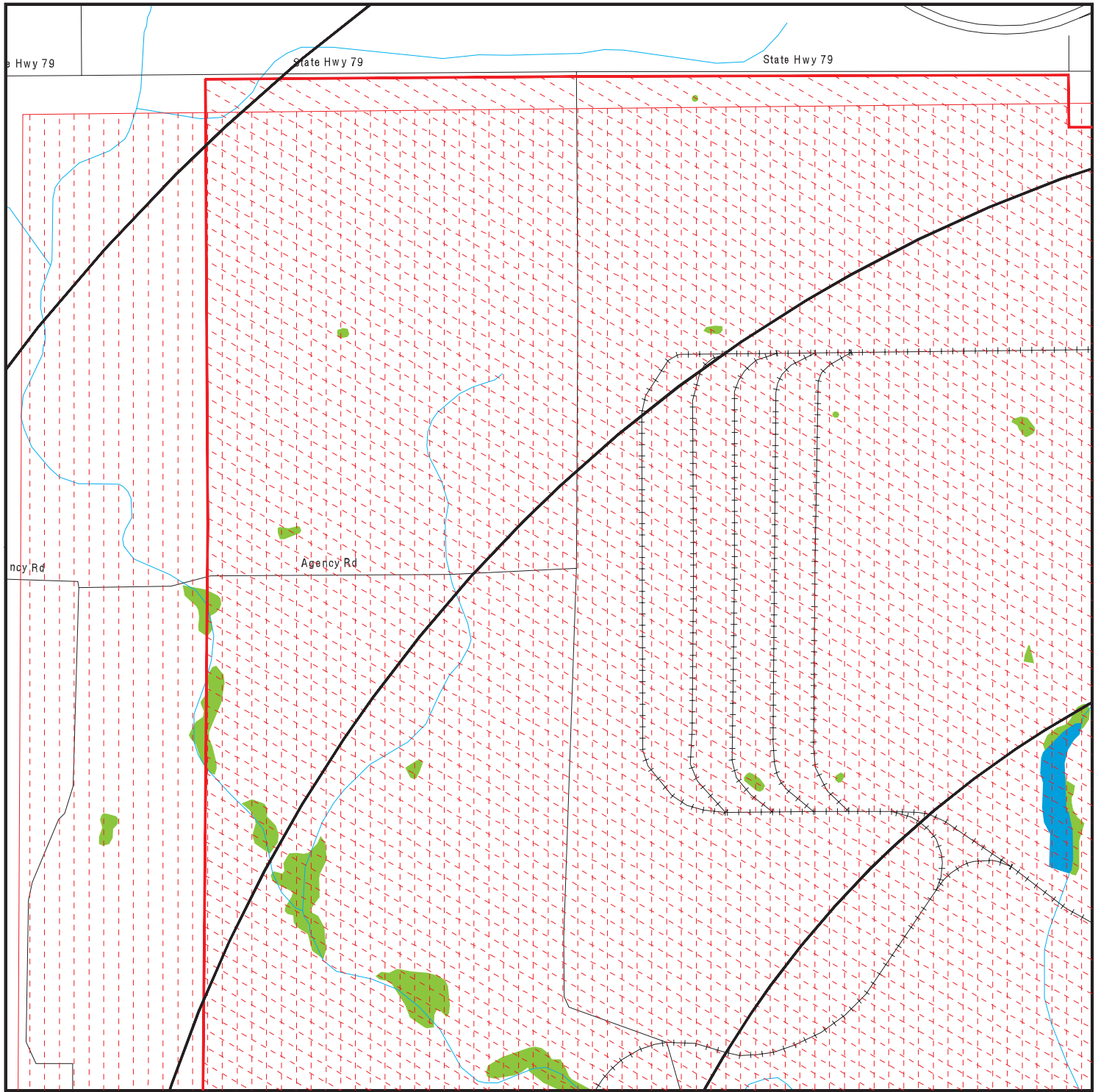
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- 🏠 National Priority List Sites
- 🏠 Dept. Defense Sites

- 🏠 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 2:18 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 2:19 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

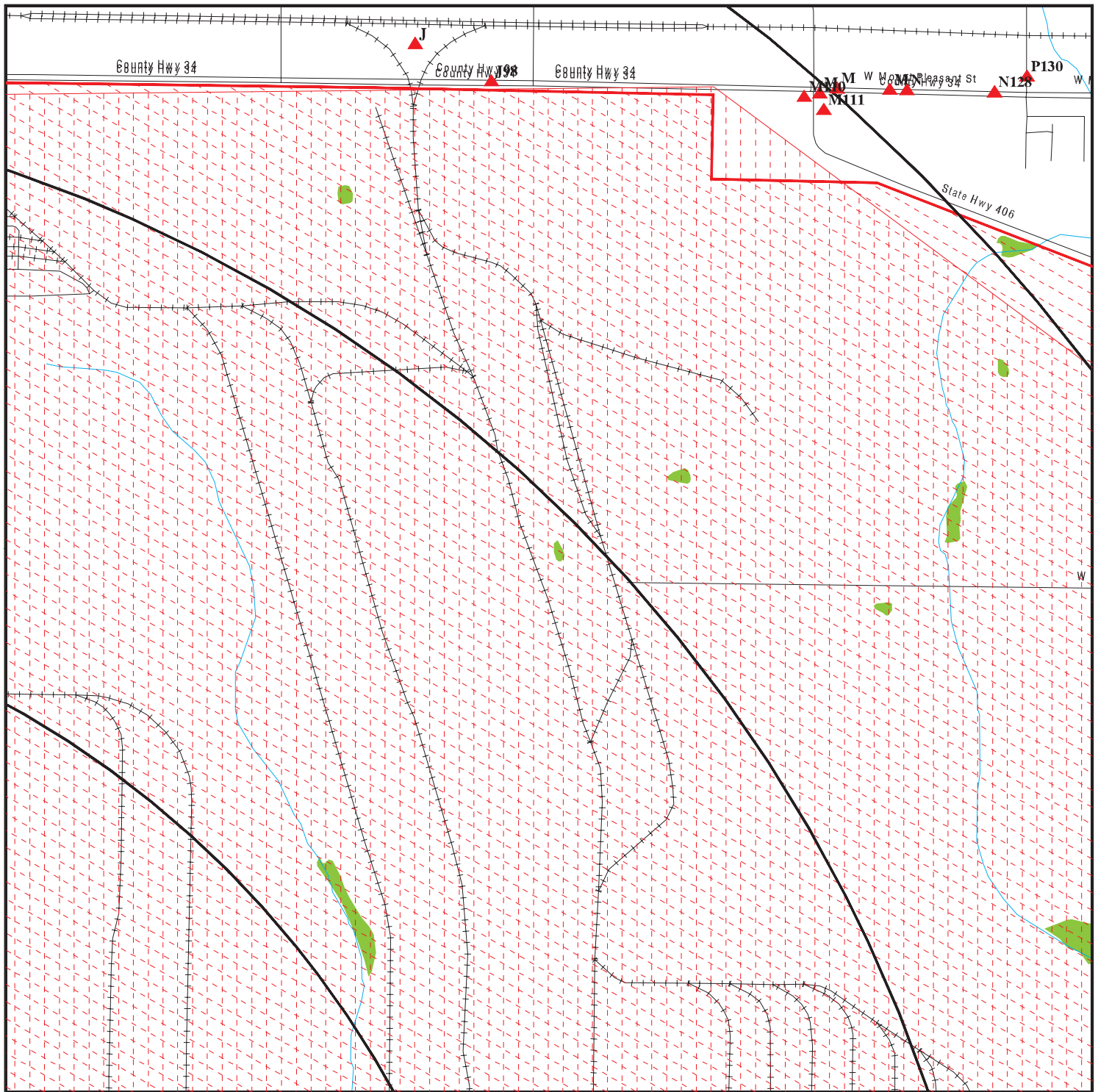
■ Oil & Gas pipelines from USGS

■ 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 2:20 pm

DETAIL MAP - 4287912.2S



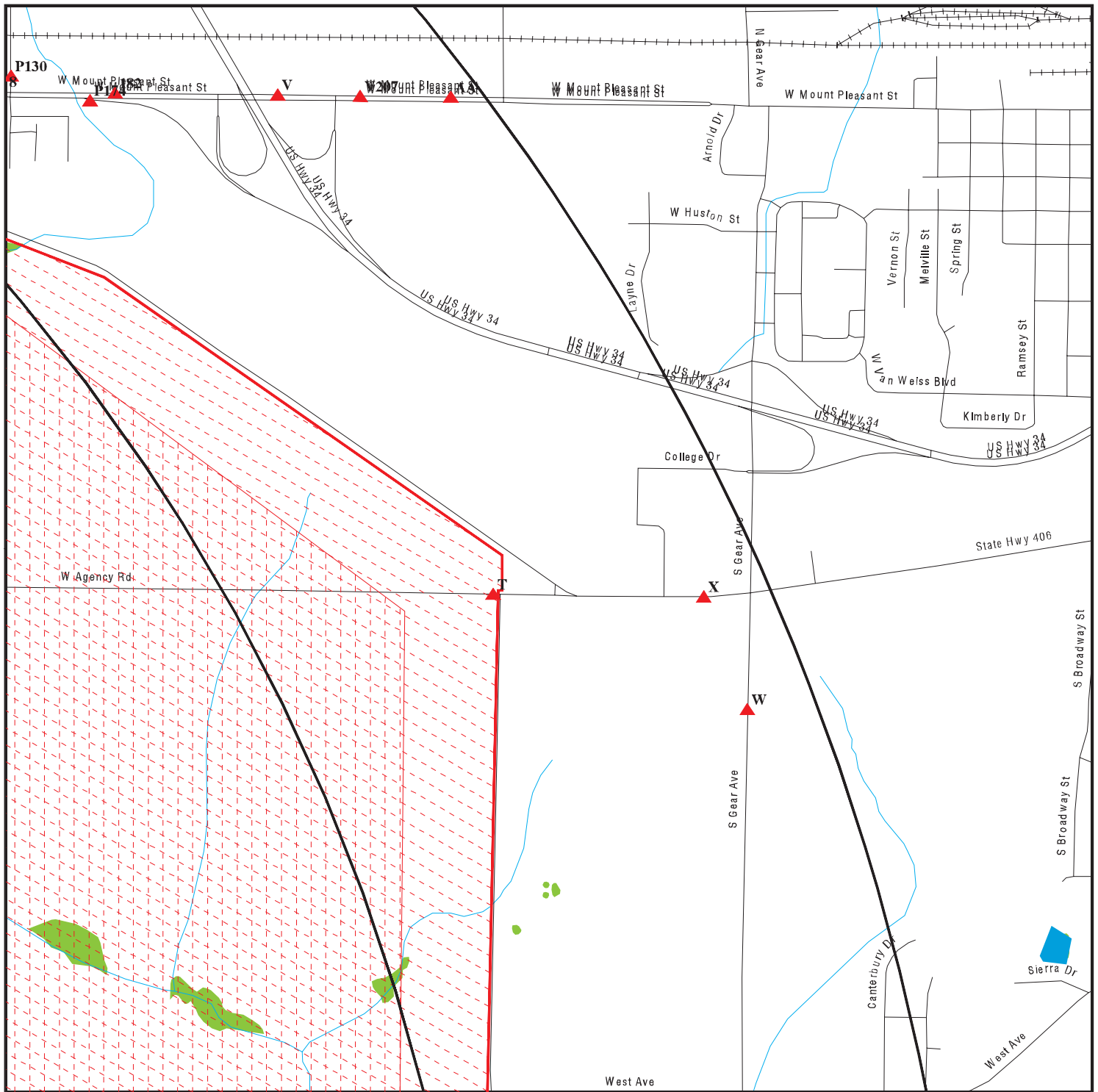
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ▲ Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- 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 2:22 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



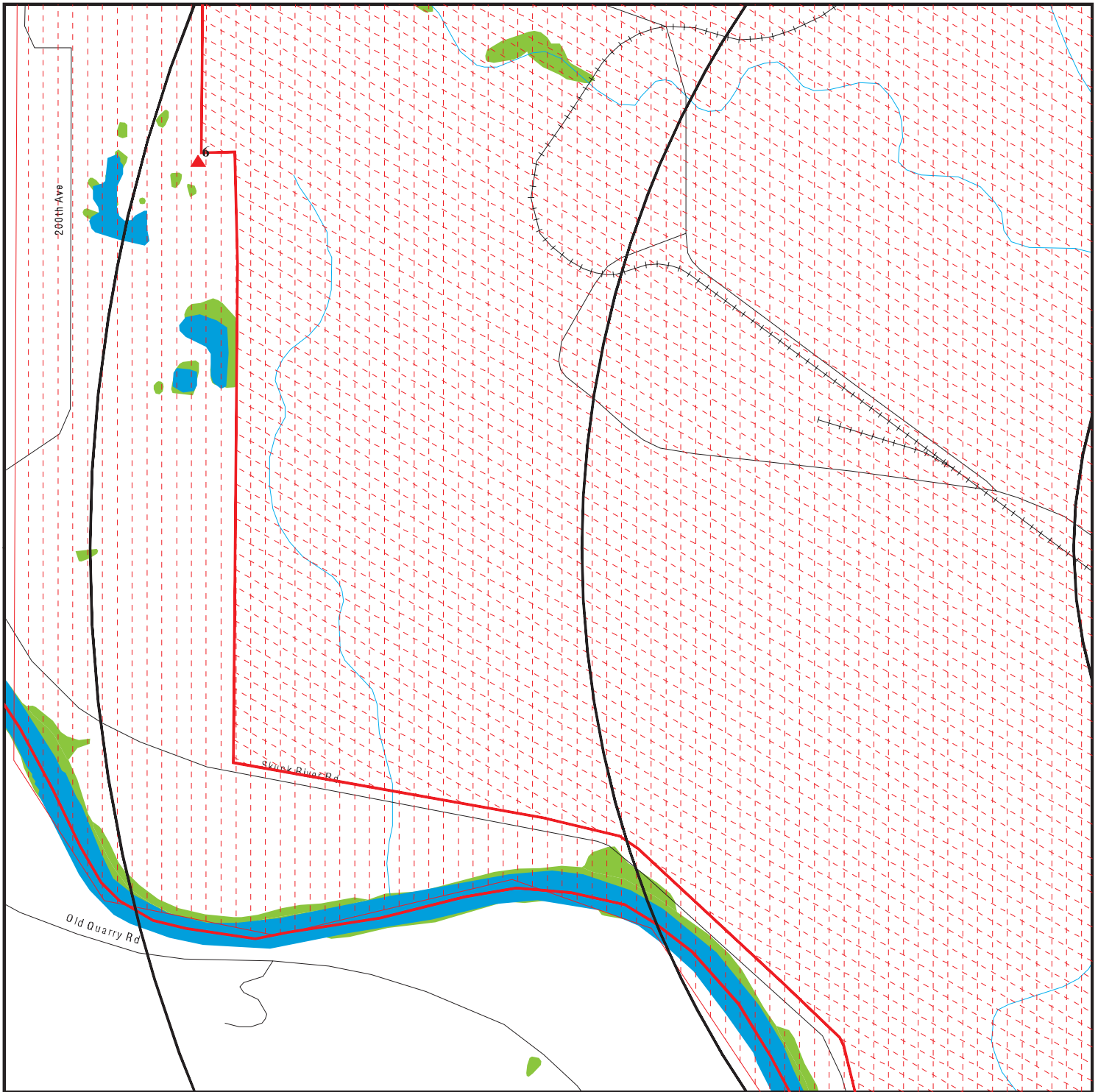
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- 🏠 National Priority List Sites
- 🏠 Dept. Defense Sites

- 🏠 Indian Reservations BIA
- 🏠 County Boundary
- 🏠 Oil & Gas pipelines from USGS
- 🏠 National Wetland Inventory

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 2:24 pm

DETAIL MAP - 4287912.2S



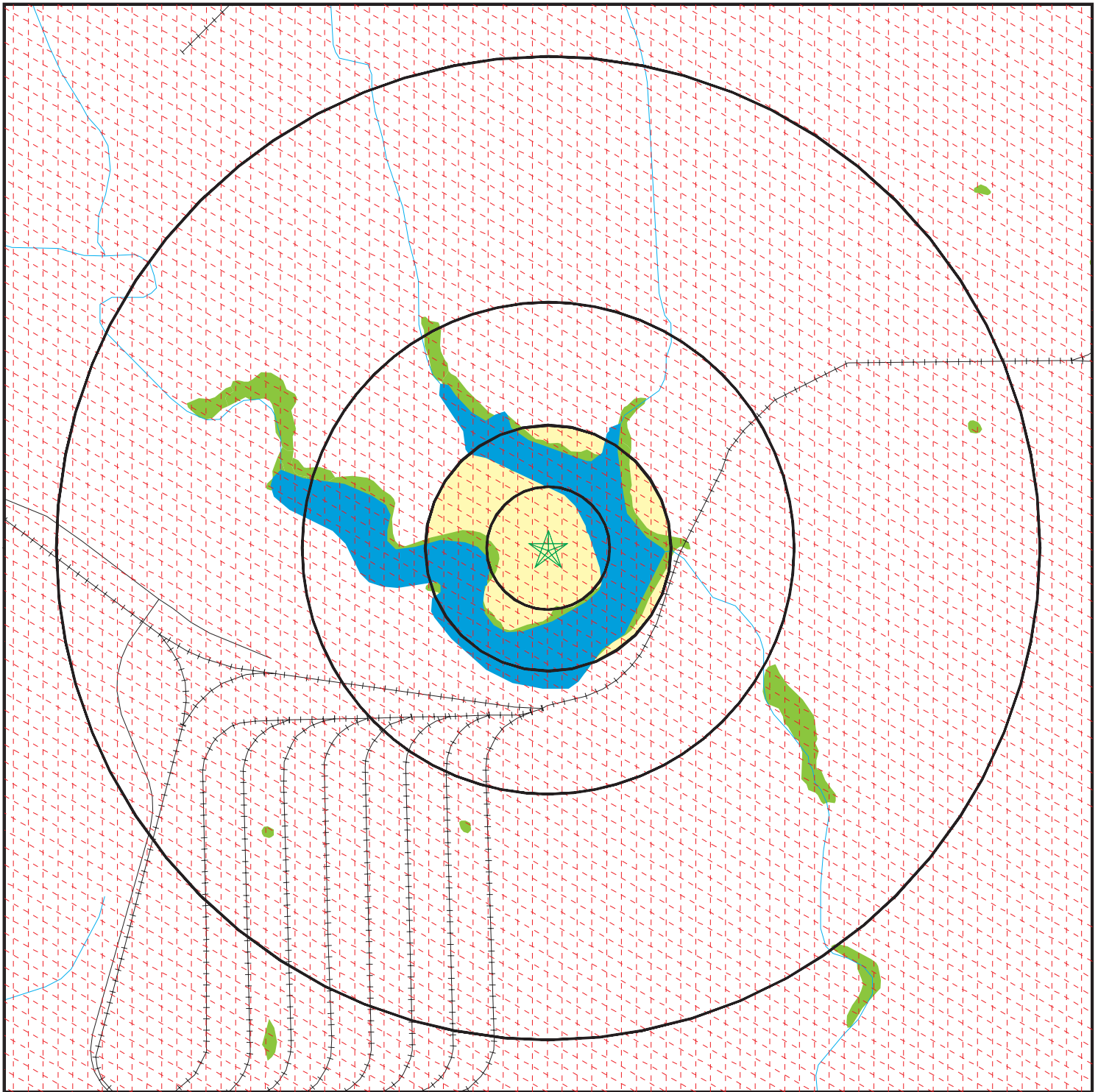
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites

- ☒ 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 2:26 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

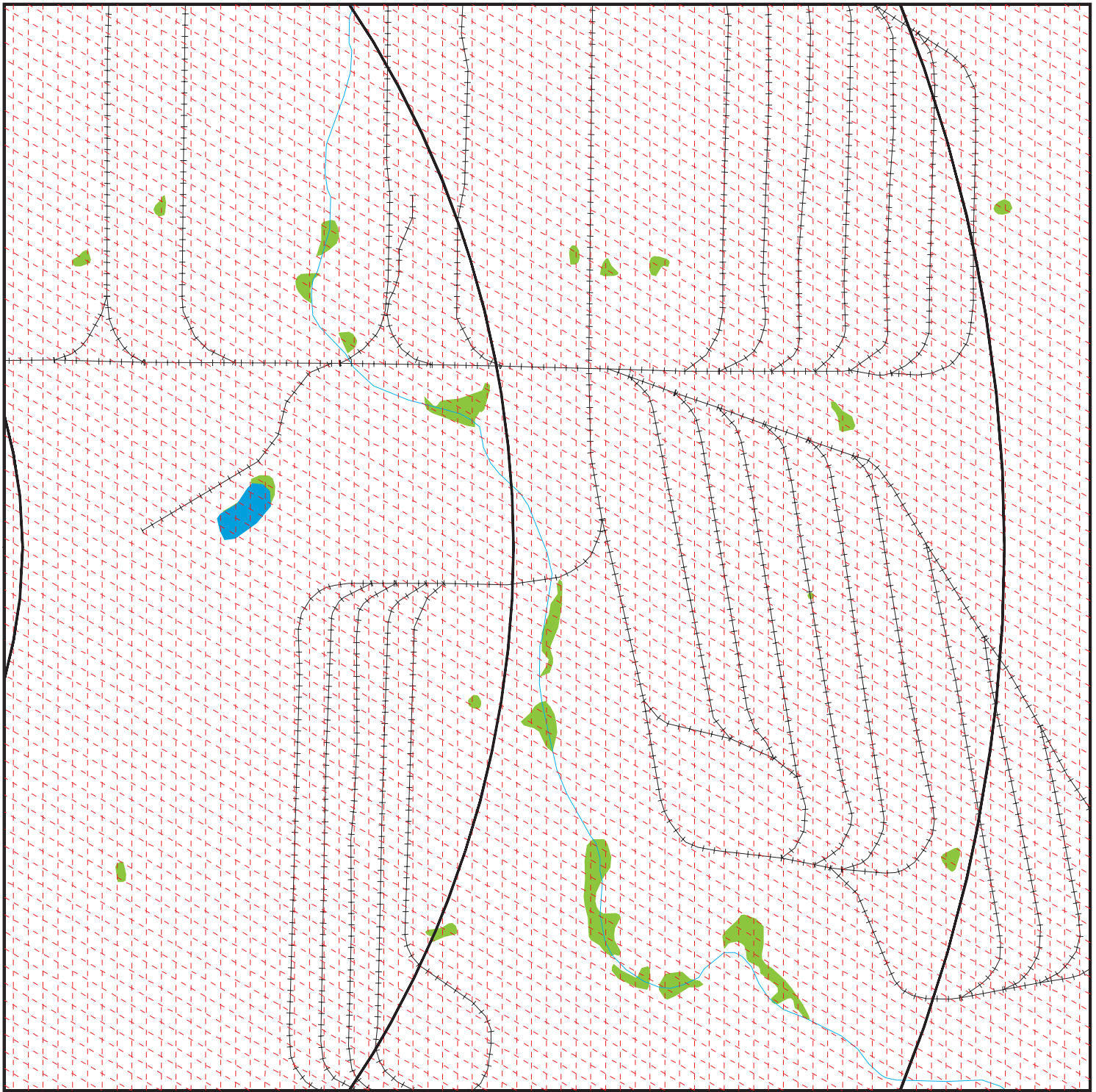
- Indian Reservations BIA
- Oil & Gas pipelines from USGS
- National Wetland Inventory

0 1/4 1/2 1 Miles

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



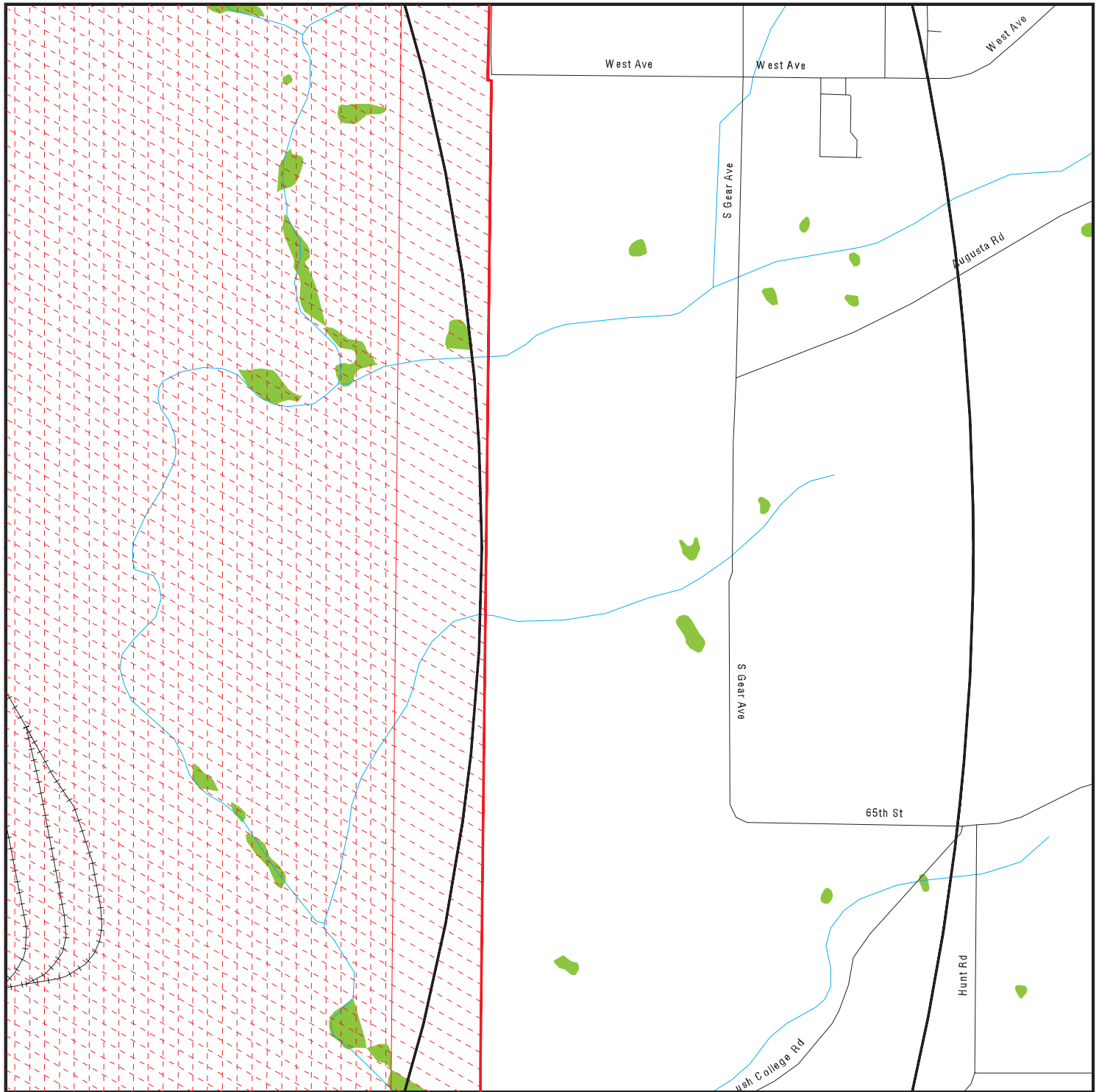
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites

- ☒ 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



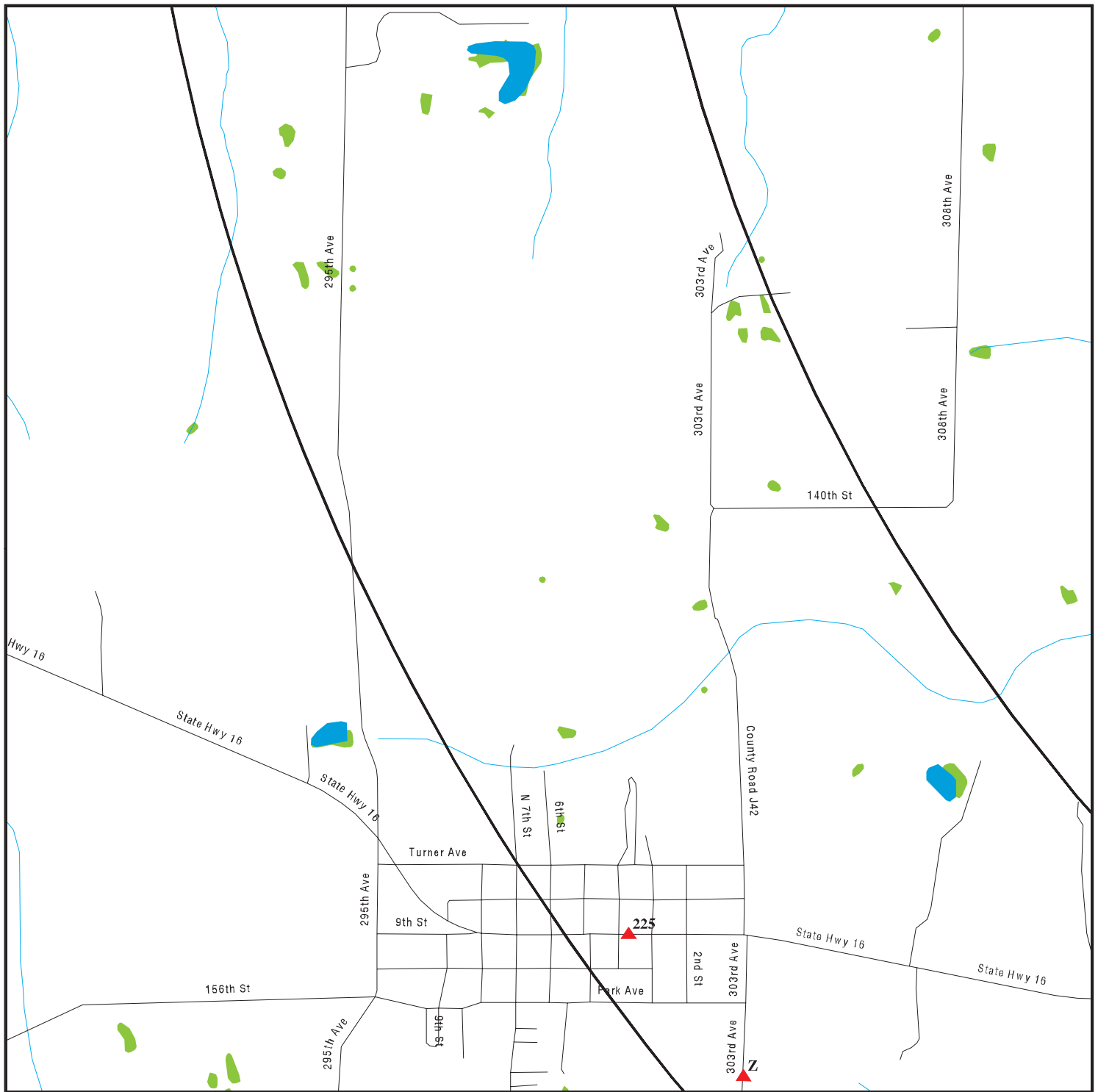
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- 🚚 National Priority List Sites
- 🏠 Dept. Defense Sites

- 🏠 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



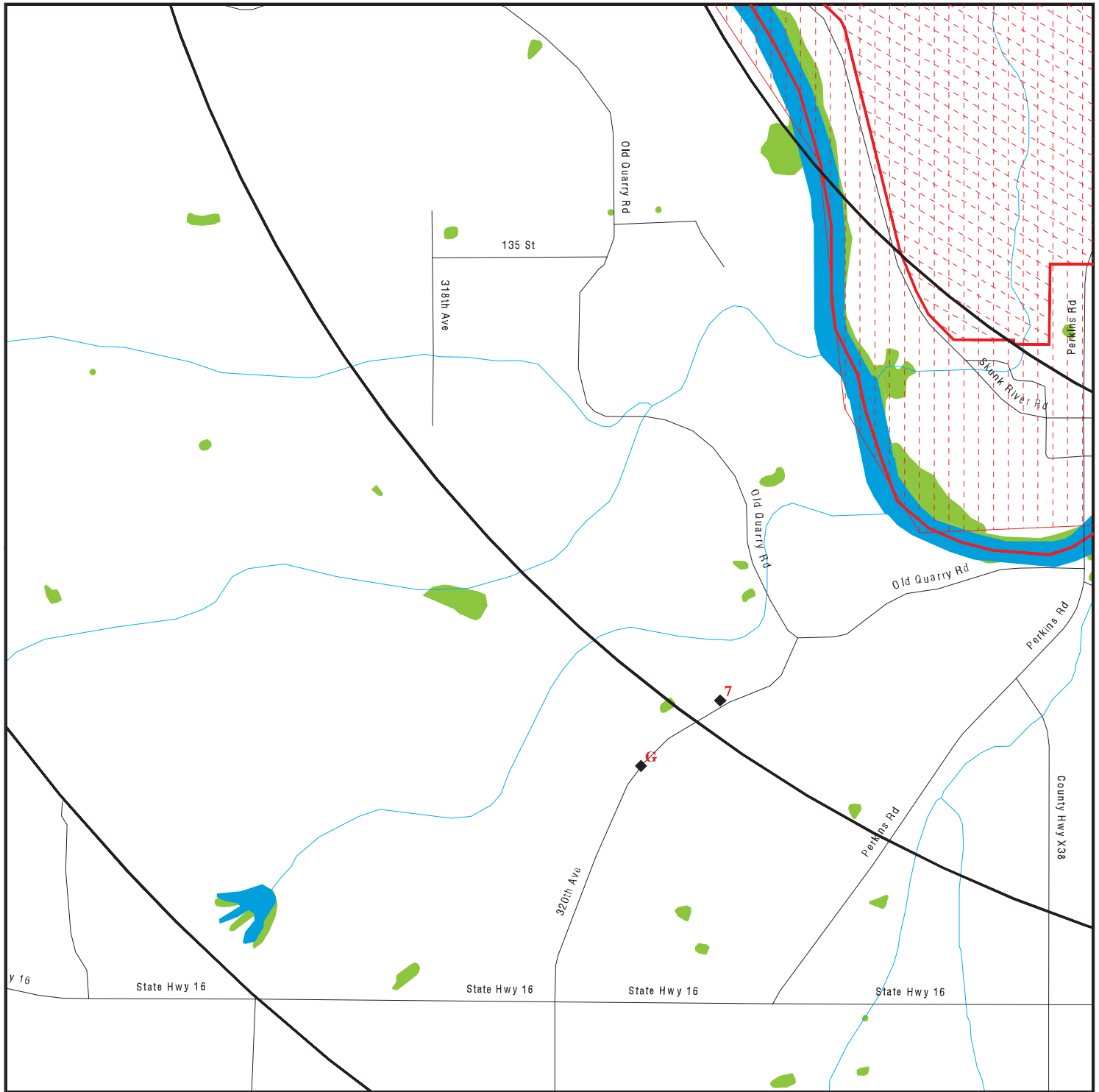
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- 🚚 National Priority List Sites
- 🏠 Dept. Defense Sites

- 🏠 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



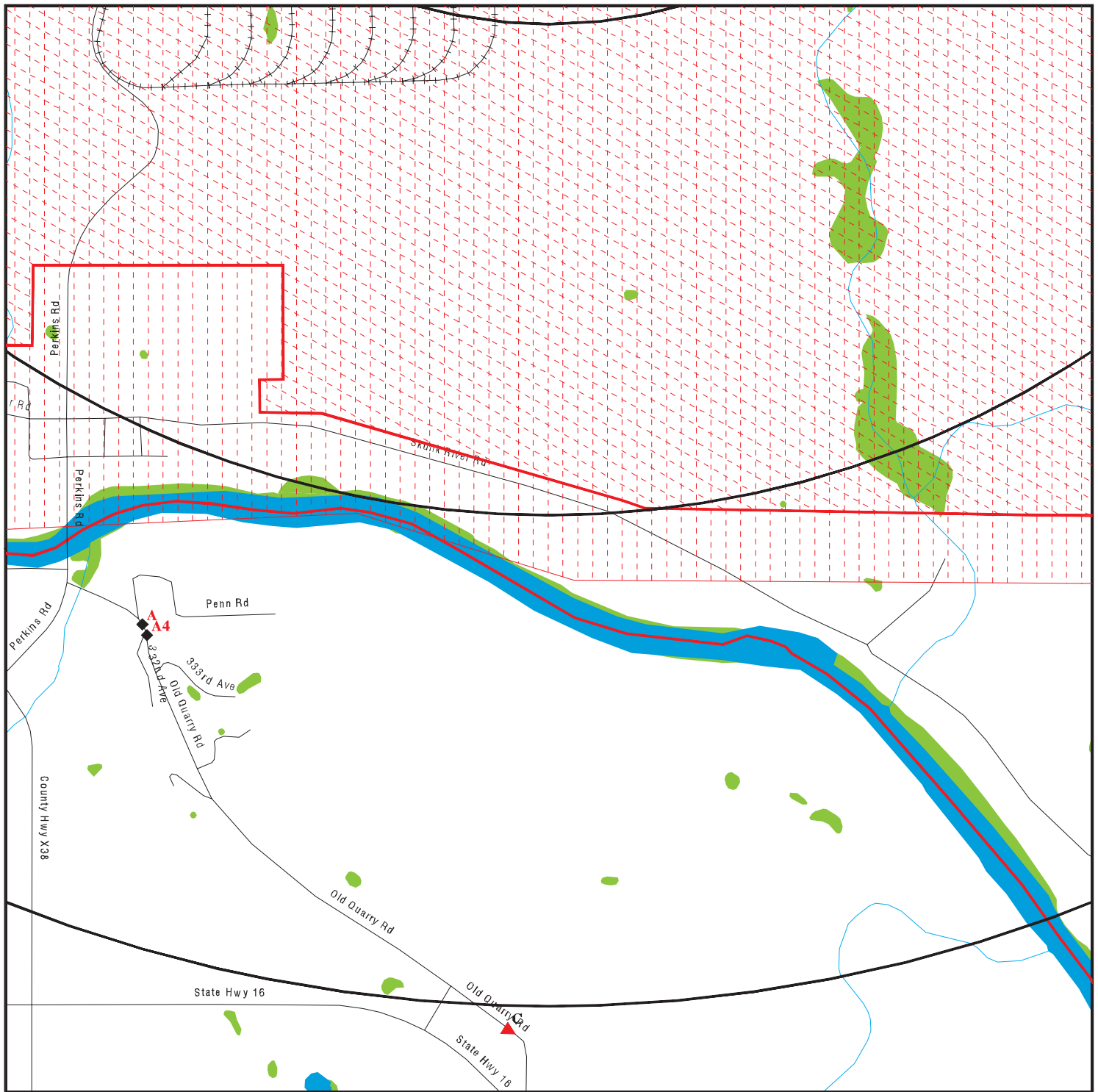
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- 🏠 National Priority List Sites
- 🏠 Dept. Defense Sites

- 🏠 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



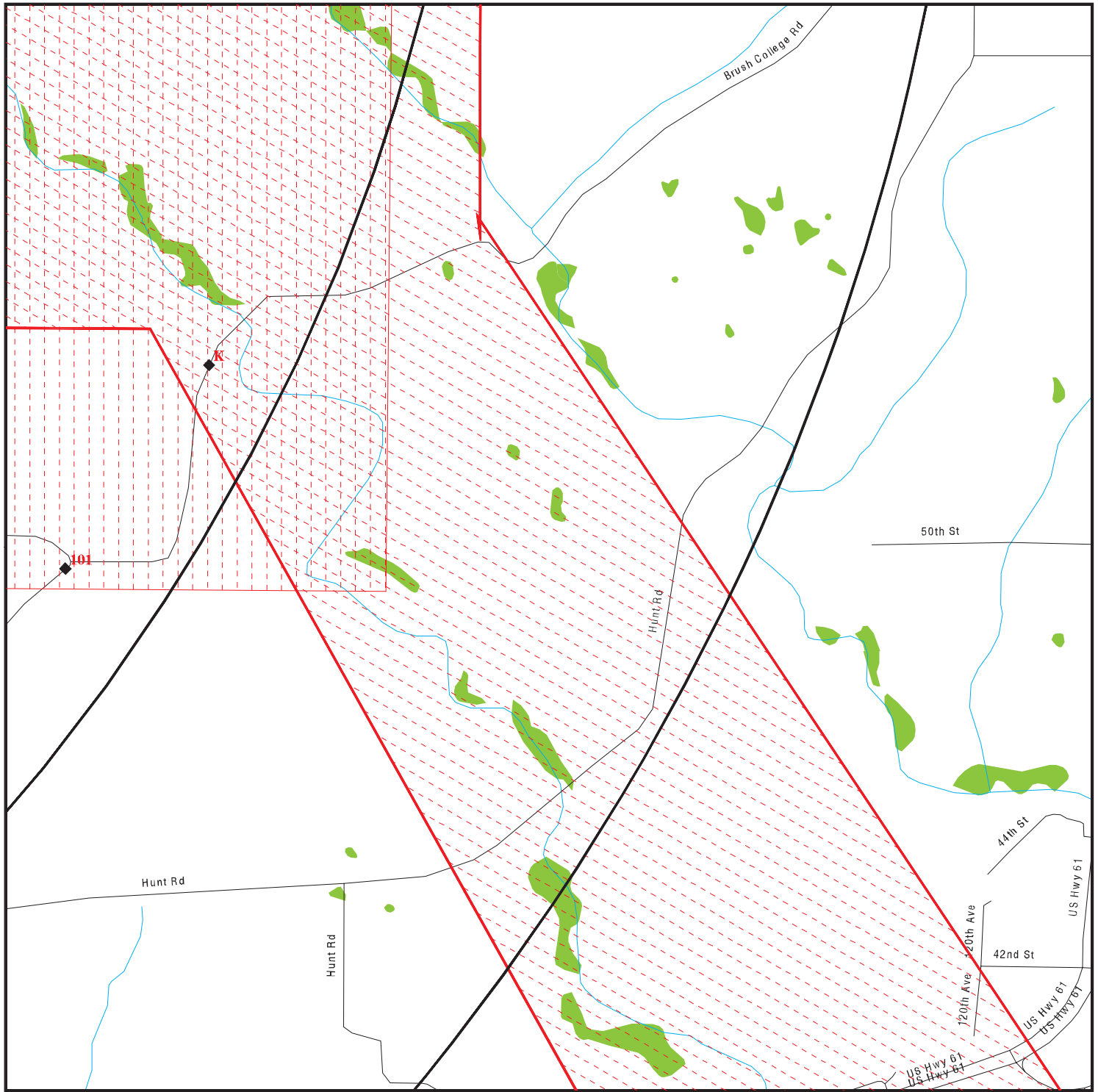
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- 🏠 National Priority List Sites
- 🏠 Dept. Defense Sites

- 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



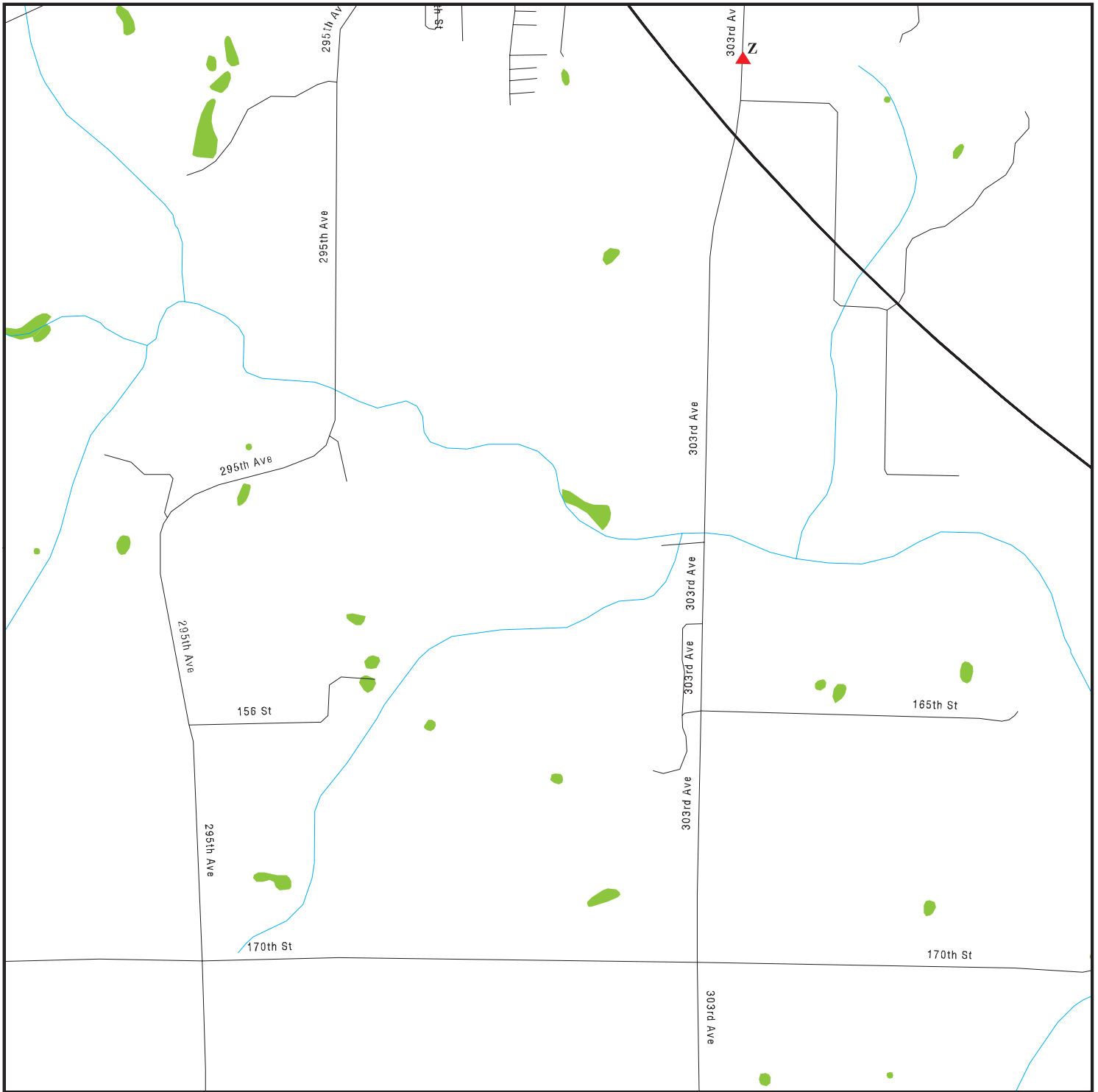
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- 🚚 National Priority List Sites
- 🏠 Dept. Defense Sites

- 🏠 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



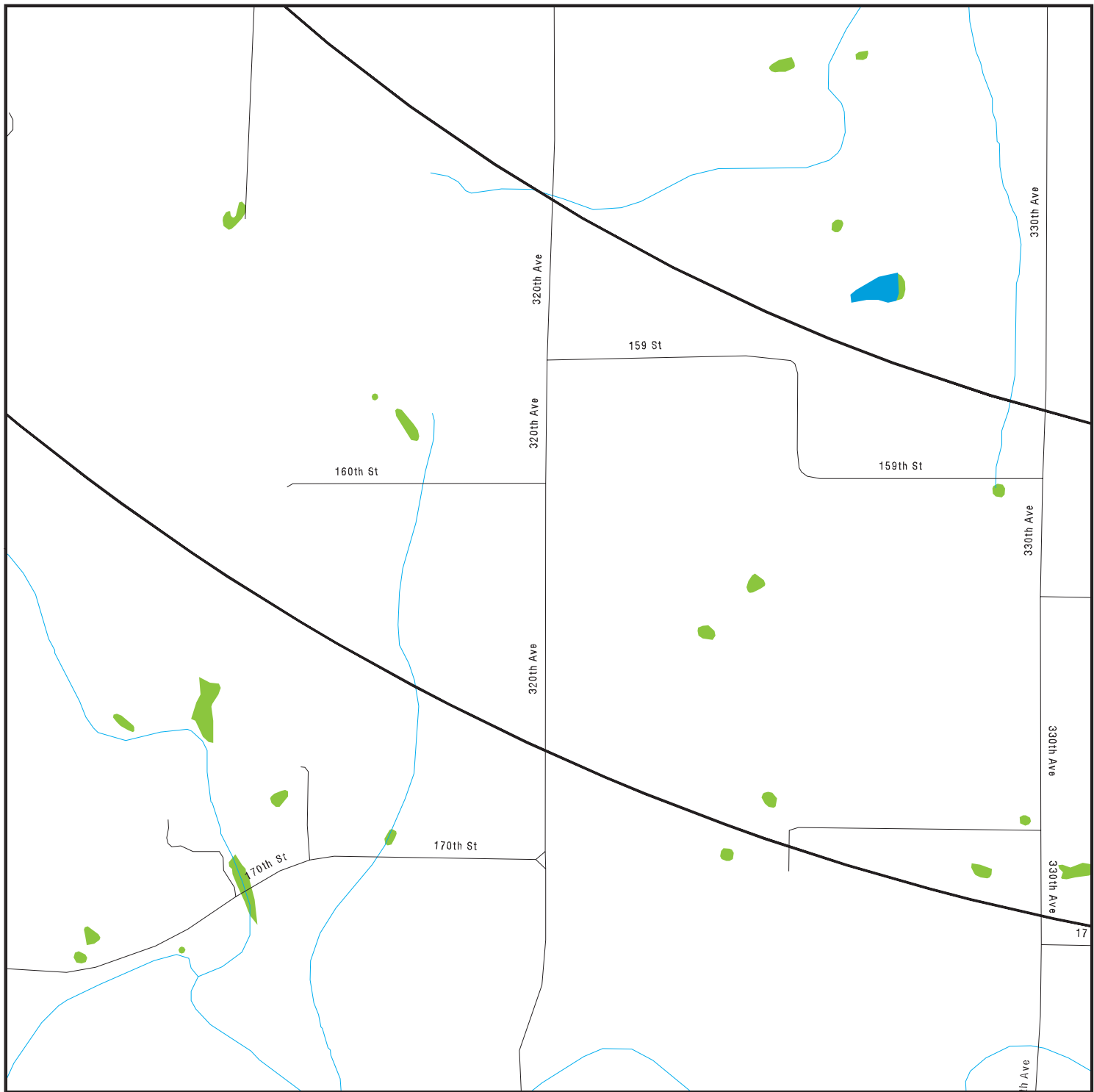
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- 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 2:38 pm

DETAIL MAP - 4287912.2S



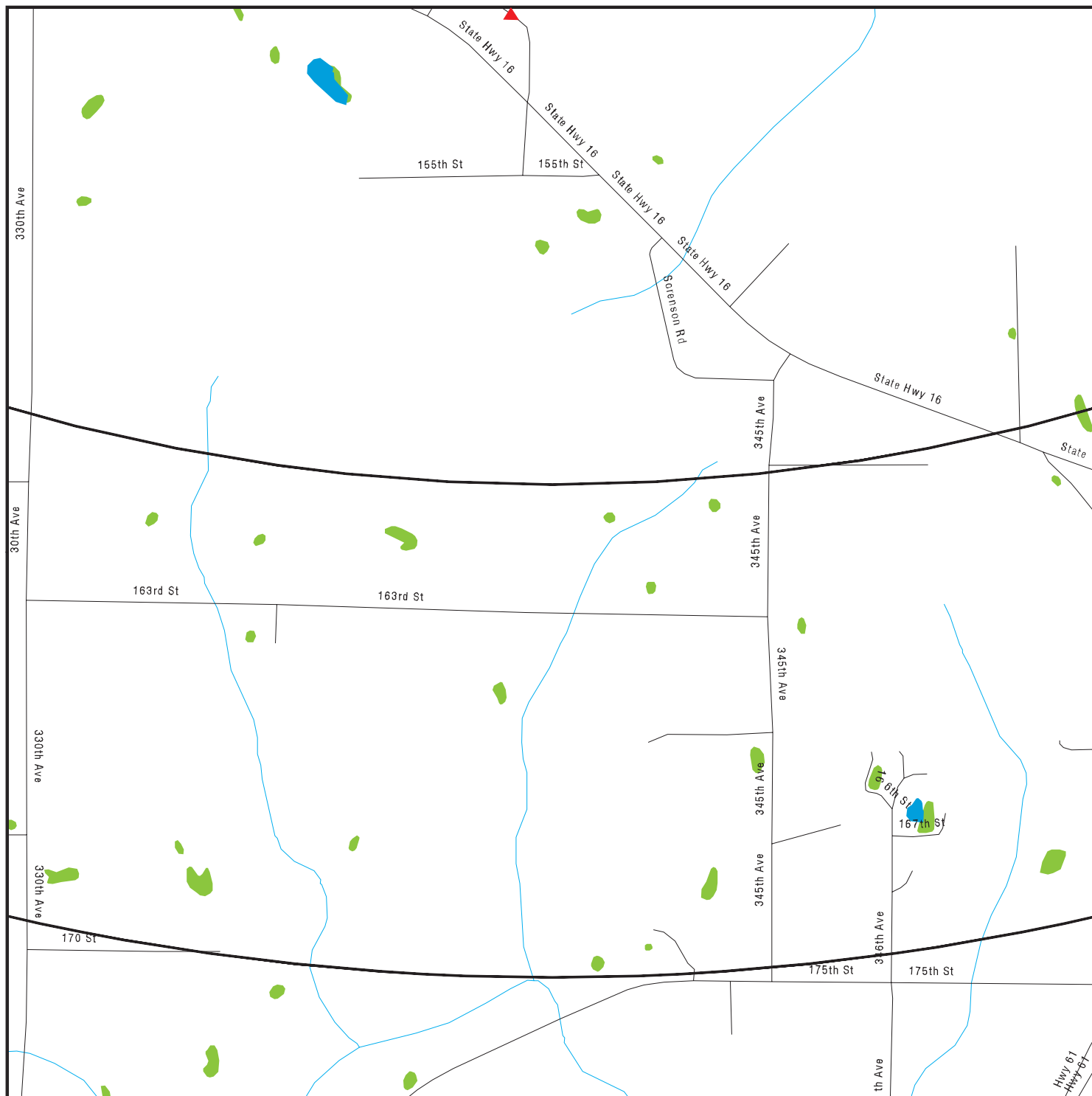
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- 🏠 National Priority List Sites
- 🏠 Dept. Defense Sites

- 🏠 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 2:39 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

- 🏠 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 2:41 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

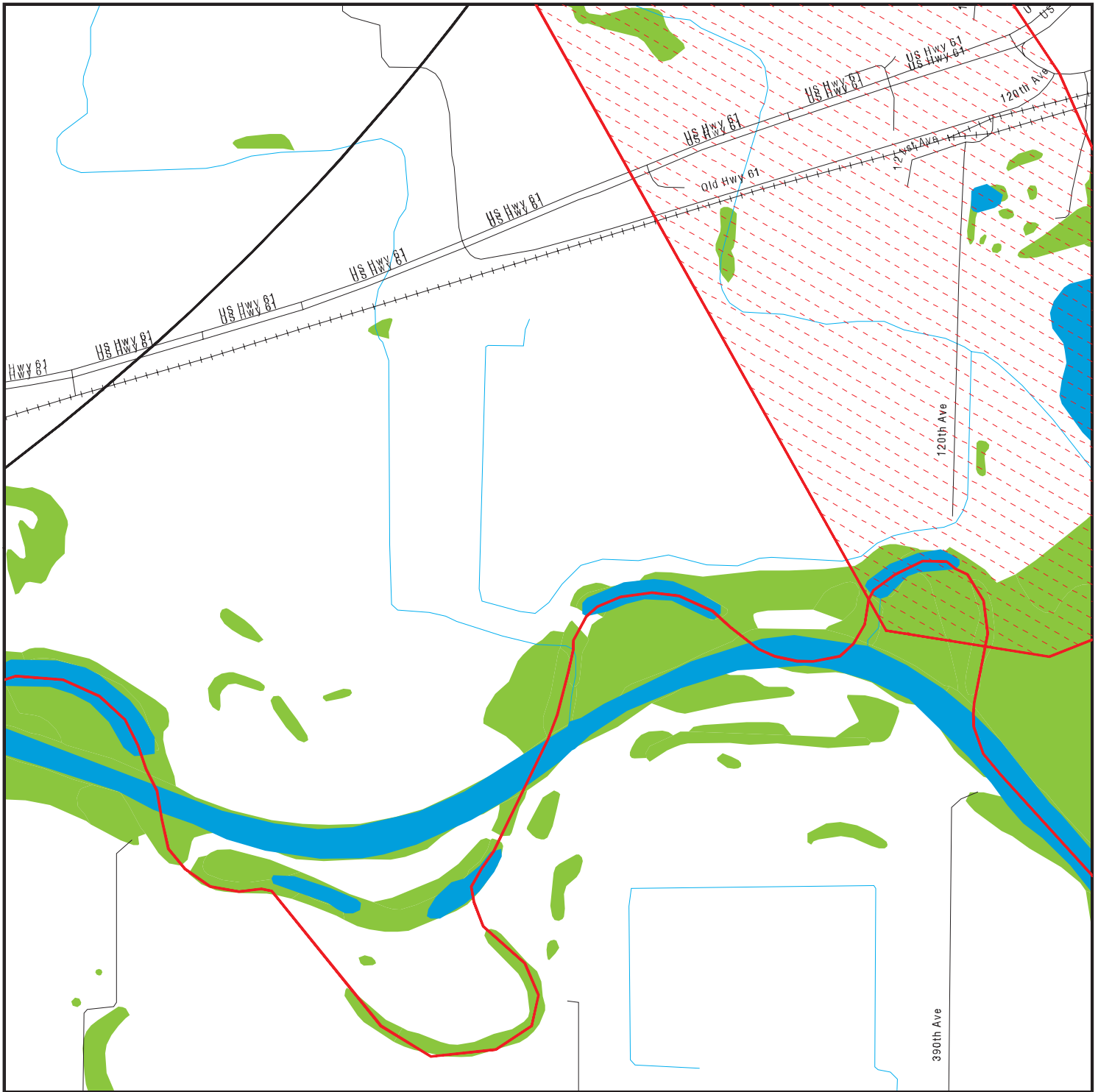
- 🏠 Indian Reservations BIA
- 🏠 County Boundary
- 🏠 Oil & Gas pipelines from USGS
- 🏠 National Wetland Inventory



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 2:43 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

0 1/4 1/2 1 Miles



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
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
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
Federal Delisted NPL site list								
Delisted NPL	5.000		0	0	0	0	0	0
Federal CERCLIS list								
CERCLIS	5.000		1	0	0	0	0	1
FEDERAL FACILITY	5.000		0	0	0	0	0	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	5.000		0	0	0	0	0	0
Federal RCRA CORRACTS facilities list								
CORRACTS	5.000		1	0	0	0	1	2
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	5.000		1	0	0	0	1	2
Federal RCRA generators list								
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
Federal institutional controls / engineering controls registries								
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
Federal ERNS list								
ERNS	5.000		0	0	0	0	30	30
State- and tribal - equivalent CERCLIS								
IA SHWS	5.000		0	0	0	0	0	0
State and tribal landfill and/or solid waste disposal site lists								
IA SWF/LF	5.000		0	0	0	0	4	4
State and tribal leaking storage tank lists								
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
State and tribal registered storage tank lists								
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
State and tribal institutional control / engineering control registries								
IA INST CONTROL	5.000		0	0	0	0	1	1
State and tribal voluntary cleanup sites								
IA VCP	5.000		0	0	0	0	0	0
INDIAN VCP	5.000		0	0	0	0	0	0
State and tribal Brownfields sites								
IA BROWNFIELDS	5.000		0	0	0	0	0	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	5.000		0	0	0	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites								
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
Local Lists of Hazardous waste / Contaminated Sites								
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
Local Land Records								
LIENS 2	5.000		0	0	0	0	0	0
IA LIENS	5.000		0	0	0	0	0	0
Records of Emergency Release Reports								
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
Other Ascertainable Records								
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

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 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

DOD CUSA125994
N/A

IOWA ARMY AMMUNITION PLAN (County), IA

< 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

< 1/8
1 ft.

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

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, 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

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IOWA ARMY AMMUNITION PLANT (Continued)

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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

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IOWA ARMY AMMUNITION PLANT (Continued)

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- . 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 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

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IOWA ARMY AMMUNITION PLANT (Continued)

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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

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IOWA ARMY AMMUNITION PLANT (Continued)

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- . 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.

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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, 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

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IOWA ARMY AMMUNITION PLANT (Continued)

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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

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IOWA ARMY AMMUNITION PLANT (Continued)

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- . 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, TRICHTHORETHYLENE, 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.

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IOWA ARMY AMMUNITION PLANT (Continued)

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- . 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

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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

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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, 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

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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

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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

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IOWA ARMY AMMUNITION PLANT (Continued)

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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

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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.

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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

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IOWA ARMY AMMUNITION PLANT (Continued)

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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, TRICHTHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHTHLORETHANE, 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

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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

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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, 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.

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- . 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

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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.

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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

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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.

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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

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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

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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

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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

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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

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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

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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
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Elevation

MAP FINDINGS

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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
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Elevation

MAP FINDINGS

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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
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Database(s)

EDR ID Number
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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

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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
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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
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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
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MAP FINDINGS

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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

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EDR ID Number
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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

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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

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EDR ID Number
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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

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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
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Database(s)

EDR ID Number
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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
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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

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IOWA ARMY AMMUNITION PLANT (Continued)

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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

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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

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EPA ID Number

IOWA ARMY AMMUNITION PLANT (Continued)

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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

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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

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IOWA ARMY AMMUNITION PLANT (Continued)

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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

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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

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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

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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 10⁻⁶, 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 10⁻⁶, 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

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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.

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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 (m²)] 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 cyclitol (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 m²) 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

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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 m²) 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 m²) 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 m²) 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 m²). 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

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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

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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

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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: / /

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IOWA ARMY AMMUNITION PLANT (Continued)

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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

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IOWA ARMY AMMUNITION PLANT (Continued)

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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

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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.:

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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

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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

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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

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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.:

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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

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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
Comple. 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
Comple. 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
Comple. 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
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

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 NEI1ALF8322
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: RCRINFO 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: RCRINFO 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 NEI1ALF8322
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 NEIILF8322
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, 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: FRS 110041994973
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: CERCLIS 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: BR 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: 07-1990-0232
FRS ID: 110041994973
Program ID: BR IA7213820445
Action Name: IOWA ARMY AMMUNITION PLANT - IAG, MIDDLETON, 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

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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

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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), 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: FRS 110041994973
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: CERCLIS 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: BR 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: BOILER 912642
Action Name: DEPT OF ARMY-IOWA ARMY AMMUNITION PLANT (IAAP), MIDDLETON,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
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MAP FINDINGS

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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

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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

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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
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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
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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
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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
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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
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MAP FINDINGS

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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
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MAP FINDINGS

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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
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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
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MAP FINDINGS

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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 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

Map ID
Direction
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Elevation

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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

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EDR ID Number
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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

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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

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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

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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:	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
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

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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

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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

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IOWA ARMY AMMUNITION PLANT (Continued)

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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

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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

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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

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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

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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

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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: ENVIROTRON 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 IOWA ARMY AMMUNITION PLANT

IA SWF/LF S105890891

North
> 1
1.430 mi.
7548 ft.

, IA

N/A

Relative:
Higher

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

Actual:
704 ft.

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 PNB PROCESSORS, L.L.C.
SSW 3317 OLD QUARRY ROAD
> 1 WEVER, IA 52658

IA NPDES S109380595
N/A

2.371 mi.
12521 ft.

Site 1 of 3 in cluster 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 BEACH'S LIMESTONE
SSW 3316 OLD QUARRY ROAD
> 1 WEVER, IA 52658

FINDS 1005834933
N/A

2.373 mi.
12529 ft.

Site 2 of 3 in cluster 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 ID
Direction
Distance
Elevation

MAP FINDINGS

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

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
IA Financial Assurance

U004193120
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

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
North
> 1
3.028 mi.
15986 ft.
IOWA ARMY NATIONAL GUARD
16815 HWY 34
MIDDLETOWN, IA 52638
Site 3 of 4 in cluster B

IA SPILLS
IA AIRS
S111004876
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 ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
B11 North > 1 3.037 mi. 16034 ft.	MIDDLETOWN POST OFFICE 229 UNITED STATES HIGHWAY 34 MIDDLETOWN, IA 52638 Site 4 of 4 in cluster B	FINDS	1011292458 N/A
Relative: Higher	FINDS:		
	Registry ID: 110036360700		
Actual: 727 ft.	Environmental Interest/Information System IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors		
C12 South > 1 3.046 mi. 16081 ft.	MABEUS LEROY(WEVER) 3389 OLD QUARRY RD WEVER, IA 52658 Site 1 of 2 in cluster C	FINDS	1015911216 N/A
Relative: Higher	FINDS:		
	Registry ID: 110045333741		
Actual: 680 ft.	Environmental Interest/Information System IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors		
C13 South > 1 3.046 mi. 16081 ft.	LEROY MABEUS 3389 OLD QUARRY RD WEVER, IA Site 2 of 2 in cluster C	IA AST	A100372476 N/A
Relative: Higher	AST:		
	Key: 1034		
	Facility County Code: Not reported		
Actual: 680 ft.	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		

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

D14
North
> 1
3.047 mi.
16087 ft.

FORMER GAS STATION
105 MECHANIC STREET
MIDDLETOWN, IA 52638

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

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:	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).

D15
North
> 1
3.047 mi.
16087 ft.

FORMER GAS STATION
105 MECHANIC STREET
MIDDLETOWN, IA
Site 2 of 4 in cluster D

IA RGA LUST **S116260600**
N/A

Relative:
Higher

RGA LUST:

Actual:
727 ft.

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 ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

D16
North
> 1
3.047 mi.
16087 ft.

FORMER GAS STATION
105 MECHANIC STREET
MIDDLETOWN, IA 52638

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
North
> 1
3.077 mi.
16249 ft.

LIL JENNY'S QUICK #715
17301 STATE HWY 79
MIDDLETOWN, IA 52638

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

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 Other: Not reported

Misc Rec Date: 07/27/2000
Misc Title: MTBE WORKSHEET & DISK

Misc Due Date: 02/27/2003
Misc Other: Not reported

Misc Rec Date: Not reported
Misc Title: Expedited CA Rpt

Misc Due Date: Not reported
Misc Other: Not reported

Misc Rec Date: 01/13/2004
Misc Title: MTBE WORKSHEET & DISK

Misc Due Date: Not reported
Misc Other: Not reported

Misc Rec Date: 04/04/2005
Misc Title: MTBE WORKSHEET & DISK

Misc Due Date: Not reported
Misc Other: Not reported

Misc Rec Date: 02/28/2006
Misc Title: MTBE WORKSHEET & DISK

Misc Due Date: Not reported
Misc Other: Not reported

Misc Rec Date: 11/29/2006
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

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:	Low 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:	High Risk
T2 GW to Plastic Water Line:	NFA
T2 SW General Use:	NFA
T2 SW Designated Use:	NFA
T2 Soil Leaching to GW:	High Risk
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:	4
Delete:	False
Track Memo:	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&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 & DISK. MTBE WORKSHEET & 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 & 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 & 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, & 2/14/03 SMR review letter. Rejected Tier 3. Numerous deficiencies in SMRs require correction. Vapor smplng failed at GW source, soil source, & 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 & 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 & DISK. bsg02/28/06: REC'D SMR. SITE RECLASSIFICATION RECOMMENDED FROM HR: INTERIM TO LR. TIER 2 SMR SOFTWARE DISK. MTBE WORKSHEET & DISK.

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

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
Site 4 of 4 in cluster D

FINDS 1008037784
N/A

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

Actual:
720 ft.

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

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

Site 4 of 65 in cluster F

IA SPILLS **S106596732**
N/A

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.

F24
NNW
> 1
3.111 mi.
16424 ft.

STATE HWY 79, NEAR MIDDLETOWN, IA
MIDDLETOWN, IA

Site 5 of 65 in cluster F

IA SPILLS **S106594756**
N/A

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

Actual:
720 ft.

SPILL:
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
Site 8 of 65 in cluster F

IA SPILLS **S106595265**
N/A

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 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
Site 9 of 65 in cluster F

IA SPILLS **S106594951**
N/A

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

Site 10 of 65 in cluster F

IA SPILLS S106594938
N/A

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
Site 11 of 65 in cluster F

IA SPILLS S106595338
N/A

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:
Higher

SPILL:

Actual:
720 ft.

Facility ID: 040506-MRH-0950
Reported Date: 04/05/2006
Reported Time: 9:50:00 AM
Taken By: Mark Heiderscheit
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:
Higher

SPILL:

Actual:
720 ft.

Facility ID: 10156-RK-1500
Reported Date: 10/15/1996
Reported Time: 3:00:00 PM
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
Site 14 of 65 in cluster F

IA RGA LUST S116262110
N/A

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
Site 15 of 65 in cluster F

IA ALLSITES S109171649
IA INST CONTROL N/A
IA NPDES
IA AIRS

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.

INSTITUTIONAL 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

EDR ID Number
EPA ID Number

	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:		
Actual: 720 ft.	Click this hyperlink while viewing on your computer to access 4 additional US_TRIS: record(s) in the EDR Site Report.		

		IA SWF/LF IA COAL ASH	S116287717 N/A
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		

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) 753-7167Work: (319) 753-7295
	Contact Name:	John Carroll
	Contact Title:	Not reported
	Contact eMail:	jcarol@aolc.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: -91.2741699999999998
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.
Relative:
Higher
Actual:
720 ft.

UNITED STATES MILITARY
17571 STATE HWY 79
MIDDLETOWN, IA 52638
Site 18 of 65 in cluster F

NY MANIFEST **S117561588**
N/A

NY MANIFEST:
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 ID
Direction
Distance
Elevation

MAP FINDINGS

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 ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F41
NNW
> 1
3.116 mi.
16451 ft.

IOWA ARMY AMMUNITION PLANT
17575 STATE HWY 79
MIDDLETOWN, IA 52638

Site 22 of 65 in cluster F

PCB TRANSFORMER **1014630157**
N/A

Relative:
Higher

PCB TRANSFORMER:

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: 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

Actual:
720 ft.

F42
NNW
> 1
3.116 mi.
16451 ft.

AMERICAN ORDNANCE, LLC
17575 STATE HIGHWAY 79
MIDDLETOWN, IA 52638

Site 23 of 65 in cluster F

MLTS **1006333584**
N/A

Relative:
Higher

MLTS:

License Number: 14-20498-01
First License Date: 03/27/84
License Date: 09/28/98
Lic. Expiration Date: 04/30/04
Contact Name: NICHOLAS KIELER
Contact Phone: 319/753-7434
Institution Code: 20498
Department/Bldg: IOWA ARMY AMMUNITION PLANT
States Allowing Use: Not reported
Store Material Use: No
Redistribution Use: No
Incinerate Use: No
Burial Use: No
Last Inspection Date: 04/01/98
Next Inspection Date: 04/01/05
Licensee Contact: RAD.SAF.OFC
Inspector Name: NICHOLAS KIELER

Actual:
720 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

F43		ERNS	2001579071
NNW	17575 STATE HWY 79		N/A
> 1	MIDDLETOWN, IA 52638		
3.116 mi.			
16451 ft.	Site 24 of 65 in cluster F		

Relative:
Higher

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual: 720 ft.			
F44	IOWA ARMY AMMUNITION PLANT	PCB TRANSFORMER	1014626553
NNW	17575 STATE HWY 79		N/A
> 1	MIDDLETOWN, IA 52638		
3.116 mi.			
16451 ft.	Site 25 of 65 in cluster F		

Relative:
Higher

Actual:
720 ft.

PCB TRANSFORMER:

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

F45	ICI AMERICAS INC	RCRA NonGen / NLR	1001024279
NNW	17575 HWY 79		IAR000000968
> 1	MIDDLETOWN, IA 52638		
3.116 mi.			
16451 ft.	Site 26 of 65 in cluster F		

Relative:
Higher

Actual:
720 ft.

RCRA NonGen / NLR:

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
	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
Used 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 ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ICI AMERICAS INC (Continued)

1001024279

Evaluation lead agency: EPA

F46
NNW 17575 ST HWY 79
> 1 MIDDLETOWN, IA 52638
3.116 mi.
16451 ft. 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 AMERICAN ORDNANCE, LLC
NNW 17575 STATE HIGHWAY 79
> 1 MIDDLETOWN, IA 52638
3.116 mi.
16451 ft. Site 28 of 65 in cluster F

MLTS 1006333585
N/A

Relative:
Higher MLTS:
License Number: SUC-1381
First License Date: 09/08/80
Actual:
720 ft. 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 17575 ST HWY 79
> 1 MIDDLETOWN, IA 52638
3.116 mi.
16451 ft. 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 ADVANCED ENVIRONMENTAL TECHNOLOGY INC
NNW 17575 STATE HWY 79
> 1 MIDDLETOWN, IA 52638
3.116 mi.
16451 ft. Site 30 of 65 in cluster F

US AIRS 1014700884
N/A

Relative:
Higher AIRS (AFS):
Compliance and Violation Data Major Sources:
Actual:
720 ft. EPA plant ID: 110041994973
Plant name: IOWA ARMY AMMUNITION PLANT

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 ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

F51			ERNS	984504770
NNW	17575 ST HWY 79			N/A
> 1	MIDDLETOWN, IA 52638			
3.116 mi.				
16451 ft.	Site 32 of 65 in cluster F			

Relative:
Higher

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual: 720 ft. F52		ERNS	94403423
NNW	17575 STATE HWY 79		N/A
> 1	MIDDLETOWN, IA 52638		
3.116 mi.			
16451 ft.	Site 33 of 65 in cluster F		

Relative:
Higher

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual: 720 ft. F53		ERNS	98455706
NNW	17575 ST HWY 79		N/A
> 1	MIDDLETOWN, IA 52638		
3.116 mi.			
16451 ft.	Site 34 of 65 in cluster F		

Relative:
Higher

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual: 720 ft. F54	IOWA ARMY AMMUNITION PLANT	PCB TRANSFORMER	1014626706
NNW	17575 STATE HWY 79		N/A
> 1	MIDDLETOWN, IA 52638		
3.116 mi.			
16451 ft.	Site 35 of 65 in cluster F		

Relative:
Higher

Actual:
720 ft.

PCB TRANSFORMER:	
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:	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 ID
Direction
Distance
Elevation

MAP FINDINGS

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

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

[Click this hyperlink](#) 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

[Click this hyperlink](#) 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

[Click this hyperlink](#) 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

[Click this hyperlink](#) while viewing on your computer to access
additional ERNS detail in the EDR Site Report.

Actual:
720 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F60
NNW 17575 STATE HWY 79
> 1 MIDDLETOWN, IA 52638
3.116 mi.
16451 ft. Site 41 of 65 in cluster F

ERNS 2006800392
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.
F61
NNW 17575 STATE HWY 79
> 1 MIDDLETOWN, IA 52638
3.116 mi.
16451 ft. Site 42 of 65 in cluster F

ERNS 99606344
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.
F62
NNW 17575 ST HWY 79
> 1 MIDDLETOWN, IA 52638
3.116 mi.
16451 ft. Site 43 of 65 in cluster F

ERNS 2001566990
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.
F63
NNW 17575 ST HWY 79
> 1 MIDDLETOWN, IA 52638
3.116 mi.
16451 ft. Site 44 of 65 in cluster F

ERNS 99611814
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.
F64
NNW 17575 ST HWY 79
> 1 MIDDLETOWN, IA 52638
3.116 mi.
16451 ft. Site 45 of 65 in cluster F

ERNS 96510995
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.
F65
NNW 17575 STATE HIGHWAY 79
> 1 MIDDLETOWN, IA 52638
3.116 mi.
16451 ft. Site 46 of 65 in cluster F

ERNS 99653370
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 ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
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	Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.		
Actual: 720 ft. F67 NNW > 1 3.116 mi. 16451 ft.	17575 STATE HWY 79 MIDDLETOWN, IA 52638 Site 48 of 65 in cluster F	ERNS	2005631570 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. F68 NNW > 1 3.116 mi. 16451 ft.	17575 ST HWY 79 MIDDLETOWN, IA 52638 Site 49 of 65 in cluster F	ERNS	984485740 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. F69 NNW > 1 3.116 mi. 16451 ft.	17575 ST HWY 79 MIDDLETOWN, IA 52638 Site 50 of 65 in cluster F	ERNS	99611667 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. F70 NNW > 1 3.116 mi. 16451 ft.	17575 STATE HWY 79 MIDDLETOWN, IA 52638 Site 51 of 65 in cluster F	ERNS	2000525637 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. F71 NNW > 1 3.116 mi. 16451 ft.	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
NNW
> 1
3.116 mi.
16451 ft.
IOWA ARMY AMMUNITION PLANT
17575 HIGHWAY 79
MIDDLETOWN, IA 52638
Site 54 of 65 in cluster F

IA LUST
IA UST
IA TIER 2
U003935499
N/A

Relative:
Higher

Actual:
720 ft.

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

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: 000000000000

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

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 Other: Not reported

Misc Rec Date: Not reported
Misc Title: Not reported

Misc Due Date: Not reported
Misc Other: Not reported

Misc Rec Date: 12/10/2001
Misc Title: MTBE WORKSHEET & DISK

Misc Due Date: Not reported
Misc Other: Not reported

Misc Rec Date: 10/31/2002
Misc Title: MTBE WORKSHEET & DISK

Misc Due Date: Not reported
Misc Other: Not reported

Misc Rec Date: 10/29/2003
Misc Title: MTBE WORKSHEET & DISK

Misc Due Date: Not reported
Misc Other: Not reported

Misc Rec Date: 05/23/2000
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

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
No Action Required:	False
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 lt 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 SSTL. 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 ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

F74
NNW 17575 STATE HWY 79
> 1 MIDDLETOWN, IA 52638
3.116 mi.
16451 ft. Site 55 of 65 in cluster F

ERNS 99630657
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.
F75
NNW 17575 STATE HWY 79
> 1 MIDDLETOWN, IA 52638
3.116 mi.
16451 ft. Site 56 of 65 in cluster F

ERNS 99615677
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.
F76
NNW 17575 STATE HWY 79
> 1 MIDDLETOWN, IA
3.116 mi.
16451 ft. Site 57 of 65 in cluster F

ERNS 2004741174
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.
F77 IOWA ARMY AMUNITION PLANT
NNW 17575 HWY 79
> 1 MIDDLETOWN, IA 52638
3.116 mi.
16451 ft. Site 58 of 65 in cluster F

WI MANIFEST S109151357
N/A

Relative:
Higher WI MANIFEST:
Year: 2014
EPA ID: IA7213820445
Actual:
720 ft. 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.
Relative:
Higher
Actual:
720 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
IA SPILLS
IA AIRS
S108940976
N/A

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@aolllc.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 17575 STATE HWY 79
> 1 MIDDLETOWN, IA 52638
3.116 mi.
16451 ft. 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 17575 STATE HWY 79, OUTSIDE BUILDING 3-70-1
> 1 MIDDLETOWN, IA
3.116 mi.
16451 ft. 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
NNW
> 1
3.116 mi.
16451 ft.

ICI AMERICAS INC
17575 HWY 79
MIDDLETOWN, IA 52638

Site 62 of 65 in cluster F

RCRA-TSDF
CORRACTS
RCRA-SQG
FINDS
2020 COR ACTION

1001218526
IAR000005876

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:	TRICHTLORETHYLENE
. Waste code:	D041
. Waste name:	2,4,5-TRICHTLOROPHENOL
. Waste code:	D042
. Waste name:	2,4,6-TRICHTLOROPHENOL
. 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

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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

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Elevation

MAP FINDINGS

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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)

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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

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MAP FINDINGS

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Database(s)

EDR ID Number
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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, 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

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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)

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ICI AMERICAS INC (Continued)

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. 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

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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: 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 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

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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-

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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

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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: 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

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EDR ID Number
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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-

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ICI AMERICAS INC (Continued)

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- . 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

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MAP FINDINGS

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ICI AMERICAS INC (Continued)

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- . 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 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

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ICI AMERICAS INC (Continued)

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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

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ICI AMERICAS INC (Continued)

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- . 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

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ICI AMERICAS INC (Continued)

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. 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

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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

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- . 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

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. 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,

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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.

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Elevation

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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

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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

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MAP FINDINGS

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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
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MAP FINDINGS

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EDR ID Number
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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

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MAP FINDINGS

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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
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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
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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, 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

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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
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MAP FINDINGS

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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
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MAP FINDINGS

Site

Database(s)

EDR ID Number
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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

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MAP FINDINGS

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EDR ID Number
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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)

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ICI AMERICAS INC (Continued)

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- . 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

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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

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MAP FINDINGS

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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.

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MAP FINDINGS

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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

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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

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ICI AMERICAS INC (Continued)

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- . 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

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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:

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MAP FINDINGS

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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: IAR000005876
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: IAR000005876
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: IAR000005876
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: IAR000005876
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 ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F83
NNW 17577 STATE HWY 79\I
> 1 MIDDLETOWN, IA
3.116 mi.
16453 ft. Site 64 of 65 in cluster F

IA SPILLS **S106597372**
N/A

Relative:
Higher

SPILL:

Actual:
720 ft.

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:
Higher

SPILL:

Actual:
720 ft.

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:

Actual:
651 ft.

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

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

FINDS 1014699887
N/A

Site 2 of 2 in cluster G

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.

10135 S. PRAIRI GROVE RD
WEST BURLINGTON, IA

ERNS 2009911761
N/A

Site 1 of 6 in cluster H

Relative:
Higher

[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual:
729 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

H88 **FERRELLGAS**
NNE **10135 SOUTH PRAIRIE GROVE ROAD**
> 1 **WEST BURLINGTON, IA 52655**

3.149 mi.
16626 ft.

Site 2 of 6 in cluster H

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 **FERRELLGAS**
NNE **10135 SOUTH PRAIRIE GROVE ROAD**
> 1 **WEST BURLINGTON, IA 52655**

3.149 mi.
16626 ft.

Site 3 of 6 in cluster H

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

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: johnnfling@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: johnnfling@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: -91.242860000000006
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: -91.242860000000006
Notes: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

H90 10135 S PRARIE GROVE ROAD
NNE 10135 S PRARIE GROVE ROAD
> 1 WEST BURLINGTON, IA 52655
3.149 mi.
16626 ft. Site 4 of 6 in cluster H

HMIRS 2009052725
N/A

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
NNE 10135 S PRAIRE GROVE RD
> 1 WEST BURLINGTON, IA 52655
3.149 mi.
16626 ft. Site 5 of 6 in cluster H

IA SPILLS S110366399
N/A

Relative:
Higher SPILL:
Facility ID: 071609-AHB-1044
Reported Date: 07/16/2009
Actual:
729 ft. 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 ID
Direction
Distance
Elevation

MAP FINDINGS

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

Site 1 of 3 in cluster I

IA SPILLS S107469920
N/A

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

Site 6 of 6 in cluster H

IA SPILLS S109132755
N/A

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 US ARMY RESERVE CENTER
NNW 17879 HWY 79
> 1 MIDDLETOWN, IA 52638
3.171 mi.
16742 ft. 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 ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

I95
NNW
> 1
3.171 mi.
16742 ft.
US ARMY RESERVE CENTER
17879 HWY 79
MIDDLETOWN, IA 52638
Site 3 of 3 in cluster I

FINDS **1014885814**
N/A

Relative:
Higher

FINDS:

Registry ID: 110043991295

Actual:
723 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 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.

J96
NNE
> 1
3.583 mi.
18916 ft.
RILEY INDUSTRIAL PAINTING
15310 HIGHWAY 34 WEST
WEST BURLINGTON, IA 52655
Site 1 of 5 in cluster J

FINDS **1016054323**
N/A

Relative:
Higher

FINDS:

Registry ID: 110007509516

Actual:
715 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). AFS 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 ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

J97
NNE
> 1
3.583 mi.
18916 ft.

RILEY INDUSTRIAL PAINTING
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

Actual:
715 ft.

Environmental Interest/Information System

IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

J98
NNE
> 1
3.599 mi.
19002 ft.

RILEY INDUSTRIAL PAINTING
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.

BIG RIVER RESOURCES WEST BURLINGTON, LLC
15210 103RD STREET
WEST BURLINGTON, IA 52655

Site 4 of 5 in cluster J

IA NPDES **S108268515**
IA AIRS **N/A**
IA TIER 2

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: 4.799999999999999
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: 14.8000000000000
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
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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
NNE
> 1
3.738 mi.
19739 ft.

BIG RIVER RESOURCES WEST BURLINGTON LLC
15210 103RD ST
WEST BURLINGTON, IA 52655
Site 5 of 5 in cluster J

TRIS 1006875277
FINDS 52655BGRVR15211
US AIRS

Relative:
Higher

TRIS:

Actual:
712 ft.

[Click this hyperlink](#) while viewing on your computer to access
7 additional US_TRIS: record(s) in the EDR Site Report.

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 ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
K103 ESE > 1 3.841 mi. 20280 ft.	5943 BRUSH COLLEGE ROAD 5943 BRUSH COLLEGE ROAD BURLINGTON, IA Site 1 of 2 in cluster K	US CDL	1012198333 N/A
Relative: Lower	US CDL: Seizure Date: 01/24/2007		
Actual: 642 ft.			
K104 ESE > 1 3.841 mi. 20280 ft.	5943 BRUSH COLLEGE ROAD 5943 BRUSH COLLEGE ROAD BURLINGTON, IA Site 2 of 2 in cluster K	US HIST CDL	1010310820 N/A
Relative: Lower	US HIST CDL: Seizure Date: 2007-01-24		
Actual: 642 ft.			
105 North > 1 3.862 mi. 20393 ft.	MIDDLETOWN CITY OF STP CITY CLERK, CITY HALL MIDDLETOWN, IA 52638	IA NPDES	1005505378 N/A
Relative: Higher	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 Indr 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		
Actual: 719 ft.			

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L106 **BIG RIVER RESOURCES WEST BURLINGTON, LLC**
NNE **15210 103RD STREET**
> 1 **WEST BURLINGTON, IA 52655**
3.883 mi.
20503 ft. **Site 1 of 4 in cluster L**

RMP **1012040948**
N/A

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 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: 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 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

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 **BIG RIVER RESOURCES, LLC**
NNE **15210 103RD STREET**
> 1 **WEST BURLINGTON, IA 52655**
3.883 mi.
20503 ft. **Site 2 of 4 in cluster L**

TSCA **1014197918**
N/A

Relative: [Click this hyperlink](#) while viewing on your computer to access
Higher additional TSCA detail in the EDR Site Report.

Actual:
711 ft.
L108 **BIG RIVER RESOURCES LLC**
NNE **15210 103RD ST**
> 1 **WEST BURLINGTON, IA 52655**
3.883 mi.
20503 ft. **Site 3 of 4 in cluster L**

RCRA-CESQG **1008880448**
IAR000505420

Relative: RCRA-CESQG:
Higher 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

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
Used 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
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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
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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
Aniversary 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
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MAP FINDINGS

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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
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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
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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

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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
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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: -91.22249999999999
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

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MAP FINDINGS

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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

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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
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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

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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
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

M110
NE
> 1
3.956 mi.
20889 ft.

RILEY INDUSTRIAL PAINTING
15310 HWY 34 W
WEST BURLINGTON, IA 52655

RCRA-SQG
US AIRS

1000120424
IAD981717804

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
Used 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
Site 2 of 14 in cluster M

IA SPILLS S106595288
N/A

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

Actual:
707 ft.

SPILL:

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

Site 4 of 14 in cluster M

IA SPILLS **S106595925**
N/A

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

Site 5 of 14 in cluster M

FINDS **1014701334**
US AIRS **N/A**

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 attnmnt: 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 attnmnt: 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 attnmnt: 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 attnmnt: 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 attnmnt: 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 attnmnt: 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 attnmnt: 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 attnmnt: 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 attnmnt: 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 ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

M116
NE
> 1
4.004 mi.
21140 ft.

4305 W MOUNT PLEASANT ST
WEST BURLINGTON, IA 52655

Site 7 of 14 in cluster M

EDR US Hist Auto Stat 1015492474
N/A

Relative:
Higher

EDR Historical Auto Stations:

Name: 34 FAST BRAKE
Year: 2008
Address: 4305 W MOUNT PLEASANT ST

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
NE
> 1
4.004 mi.
21140 ft.

34 TRUCK STOP
4305 W MOUNT PLEASANT ST
WEST BURLINGTON, IA

Site 8 of 14 in cluster M

IA RGA LUST S116256956
N/A

Relative:
Higher

RGA LUST:

2012 34 TRUCK STOP 4305 W MOUNT PLEASANT ST

Actual:
706 ft.

M118
NE
> 1
4.004 mi.
21140 ft.

34 TRUCK STOP
4305 W MT PLEASANT ST
WEST BURLINGTON, IA

Site 9 of 14 in cluster M

IA RGA LUST S116256957
N/A

Relative:
Higher

RGA LUST:

2011 34 TRUCK STOP 4305 W MT PLEASANT ST
2009 34 TRUCK STOP 4305 W MT PLEASANT ST
2007 34 TRUCK STOP 4305 W MT PLEASANT ST
2006 34 TRUCK STOP 4305 W MT PLEASANT ST
2005 34 TRUCK STOP 4305 W MT PLEASANT ST

Actual:
706 ft.

M119
NE
> 1
4.004 mi.
21140 ft.

34 TRUCK STOP
4305 W MOUNT PLEASANT ST
WEST BURLINGTON, IA 52655

Site 10 of 14 in cluster M

FINDS 1011292223
N/A

Relative:
Higher

FINDS:

Registry ID: 110036297986

Actual:
706 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

EDR ID Number
EPA ID Number

M120
NE
> 1
4.004 mi.
21140 ft.

34 TRUCK STOP
4305 W MOUNT PLEASANT ST
WEST BURLINGTON, IA 52655

Site 11 of 14 in cluster M

IA LUST
IA UST
IA Financial Assurance

U003635911
N/A

Relative:
Higher

Actual:
706 ft.

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

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 Corrective Action Design 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 Assessment 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 Assessment 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 Assessment 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 Assessment 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 Assessment 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 Assessment 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 Assessment 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 Assessment 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 Assessment 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 Assessment 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 Assessment Due: 04/22/2000
T2 Received: 04/18/2000
T2 Accepted: 05/31/2000
T2 Rejected: Not reported
T2 Reviewed: VKS

T2 Assessment 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 Assessment Start Date: 05/16/1990
Free Product Recvry End Date: 07/25/2002
FP Letter Sent Date: 02/20/2001
FP Report Frequency: MONTHLY
Assessment Report Due: Not reported
Assessment Report Received: Not reported
Assessment 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
No Action Required:	False
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
NE
> 1
4.013 mi.
21189 ft.
3 AMIGOS
4302 W MOUNT PLEASANT ST
WEST BURLINGTON, IA 52655
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
NE
> 1
4.083 mi.
21558 ft.
4000 W MOUNT PLEASANT ST
WEST BURLINGTON, IA 52655
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

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.
Relative:
Higher
Actual:
705 ft.

COLLISION CENTER CORP
4000 W MT PLEASANT ST
WEST BURLINGTON, IA 52655
Site 14 of 14 in cluster M

RCRA-CESQG
FINDS
1004689909
IAD102327129

RCRA-CESQG:

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
NE
> 1
4.106 mi.
21680 ft.
Relative:
Higher
Actual:
704 ft.

IDEAL READY MIX CO INC - WEST BURLINGTON
3902 WEST MOUNT PLEASANT STREET
WEST BURLINGTON, IA 52655

FINDS **1016072971**
N/A

Site 1 of 3 in cluster N

FINDS:

Registry ID: 110010328387

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.**

**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**

**Relative:
Higher**

AIRS (AFS):

**Actual:
704 ft.**

**126
NE
> 1
4.117 mi.
21737 ft.**

**J & J STEEL-IDEAL READY MIX CO INC
301 S BEAVERDALE RD
WEST BURLINGTON, IA 52665**

**FTTS 1007282314
HIST FTTS N/A**

**Relative:
Higher**

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

**Actual:
700 ft.**

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

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

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

Relative:
Higher

EDR Historical Auto Stations:

Name: HOLT KAMPS TRAILER REPAIR
Year: 2003
Address: 3400 W MOUNT PLEASANT ST

Actual:
698 ft.

Name: HOLT KAMPS TRAILER REPAIR
Year: 2005
Address: 3400 W MOUNT PLEASANT ST

Name: HOLT KAMPS TRAILER REPAIR
Year: 2006
Address: 3400 W MOUNT PLEASANT ST

Name: HOLT KAMPS TRAILER REPAIR
Year: 2007
Address: 3400 W MOUNT PLEASANT ST

Name: HOLT KAMPS TRAILER REPAIR
Year: 2008
Address: 3400 W MOUNT PLEASANT ST

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

Actual:
702 ft.

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

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
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
NE
> 1
4.310 mi.
22755 ft.
IDOT MAINT GARAGE
645 N BEAVERDALE RD
WEST BURLINGTON, IA 52655
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
NE
> 1
4.310 mi.
22755 ft.
IDOT MAINT GARAGE
645 N BEAVERDALE RD
WEST BURLINGTON, IA 52655
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
No Action Required:	False
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 SENT. 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 ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

133
NNW
> 1
4.346 mi.
22945 ft.

MDM ENTERPRISES
18929 110TH ST
DANVILLE, IA 52623

FINDS 1016785762
N/A

Relative:
Higher

FINDS:

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

Q134
NNE
> 1
4.360 mi.
23020 ft.

RIVER MART
14562 WASHINGTON RD
WEST BURLINGTON, IA 52655

IA UST U001721679
IA Financial Assurance N/A

Relative:
Higher

UST:

Facility Id: 899
Loc Id: 899
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

Actual:
707 ft.

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
NNE
> 1
4.360 mi.
23020 ft.

RIVER MART
14562 WASHINGTON RD
WEST BURLINGTON, IA 52655

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

FINDS **1016080585**
N/A

Q136
NNE
> 1
4.365 mi.
23049 ft.

14432 WASHINGTON ROAD
BURLINGTON, IA

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
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON RD
WEST BURLINGTON, IA

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
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON ROAD
WEST BURLINGTON, IA

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.

HMIRS **2001031030**
N/A

HMIRS **2001030371**
N/A

HMIRS **2001040962**
N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
Q139 NNE > 1 4.369 mi. 23068 ft.	14432 WASHINGTON RD WEST BURLINGTON, IA Site 6 of 47 in cluster Q	HMIRS	2001030366 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. Q140 NNE > 1 4.369 mi. 23068 ft.	14432 WASHINGTON ROAD WEST BURLINGTON, IA Site 7 of 47 in cluster Q	HMIRS	2004070256 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. Q141 NNE > 1 4.369 mi. 23068 ft.	14432 WASHINGTON RD WEST BURLINGTON, IA Site 8 of 47 in cluster Q	HMIRS	2001030369 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. Q142 NNE > 1 4.369 mi. 23068 ft.	FEDEX FREIGHT INC BRL 14432 WASHINGTON RD WEST BURLINGTON, IA 52655 Site 9 of 47 in cluster Q	RCRA-CESQG	1012178342 IAR000512558
Relative: Higher	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
Used 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: TRICHLORETHYLENE
. 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 ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

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.

Q146
NNE
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON RD
WEST BURLINGTON, IA
Site 13 of 47 in cluster Q

HMIRS 2000029365
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.
Q147
NNE
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON ROAD
WEST BURLINGTON, IA
Site 14 of 47 in cluster Q

HMIRS 2003133332
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.
Q148
NNE
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON RD
WEST BURLINGTON, IA
Site 15 of 47 in cluster Q

HMIRS 9999080568
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.
Q149
NNE
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON RD
WEST BURLINGTON, IA
Site 16 of 47 in cluster Q

HMIRS 9999082036
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.
Q150
NNE
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON ROAD
WEST BURLINGTON, IA
Site 17 of 47 in cluster Q

HMIRS 2004080788
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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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

[Click this hyperlink](#) while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

Actual:
711 ft.
Q152

NNE
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON RD
WEST BURLINGTON, IA

Site 19 of 47 in cluster Q

HMIRS 2000022275
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.
Q153

NNE
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON ROAD
WEST BURLINGTON, IA

Site 20 of 47 in cluster Q

HMIRS 2002084419
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.
Q154

NNE
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON RD
WEST BURLINGTON, IA

Site 21 of 47 in cluster Q

HMIRS 2000111355
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.
Q155

NNE
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON ROAD
WEST BURLINGTON, IA

Site 22 of 47 in cluster Q

HMIRS 2002033655
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.
Q156

NNE
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON ROAD
14432 WASHINGTON ROAD
WEST BURLINGTON, IA

Site 23 of 47 in cluster Q

HMIRS 2005709685
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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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

[Click this hyperlink](#) while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

Actual:
711 ft.
Q158

NNE
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON RD
WEST BURLINGTON, IA

Site 25 of 47 in cluster Q

HMIRS 2000029364
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.
Q159

NNE
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON ROAD
WEST BURLINGTON, IA

Site 26 of 47 in cluster Q

HMIRS 2003121406
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.
Q160

NNE
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON ROAD
WEST BURLINGTON, IA

Site 27 of 47 in cluster Q

HMIRS 2004041317
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.
Q161

NNE
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON ROAD
WEST BURLINGTON, IA

Site 28 of 47 in cluster Q

HMIRS 2003122514
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.
Q162

NNE
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON ROAD
WEST BURLINGTON, IA

Site 29 of 47 in cluster Q

HMIRS 2002083722
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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Q163
NNE
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON ROAD
14432 WASHINGTON ROAD
WEST BURLINGTON, IA

Site 30 of 47 in cluster Q

HMIRS 2005701698
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.
Q164
NNE
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON ROAD
WEST BURLINGTON, IA

Site 31 of 47 in cluster Q

HMIRS 2002084887
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.
Q165
NNE
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON RD
WEST BURLINGTON, IA

Site 32 of 47 in cluster Q

HMIRS 2000080021
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.
Q166
NNE
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON ROAD
WEST BURLINGTON, IA

Site 33 of 47 in cluster Q

HMIRS 200112052
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.
Q167
NNE
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON RD
WEST BURLINGTON, IA

Site 34 of 47 in cluster Q

HMIRS 2001030393
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.
Q168
NNE
> 1
4.369 mi.
23068 ft.

14432 WASHINGTON ROAD
WEST BURLINGTON, IA

Site 35 of 47 in cluster Q

HMIRS 2000120758
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.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
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
Relative: Higher	Click this hyperlink 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
Relative: Higher	Click this hyperlink 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
Relative: Higher	Click this hyperlink 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
Relative: Higher	Click this hyperlink 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
Relative: Higher	Click this hyperlink 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
Relative: Higher	UST: Facility Id: 1681 Loc Id: 1681 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

US AIRS 1005658447
N/A

Site 41 of 47 in cluster Q

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

Q176
NNE
> 1
4.418 mi.
23325 ft.

DES MOINES COUNTY REGIONAL SANITARY LANDFILL
13758 WASHINGTON RD
WEST BURLINGTON, IA 52655

IA SWF/LF
IA AIRS
S110366953
N/A

Site 42 of 47 in cluster Q

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: Ceco 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
NNE
> 1

4.418 mi.
23325 ft.

Relative:
Higher

Actual:
712 ft.

DES MOINES COUNTY SLF
13758 WASHINGTON ROAD
WEST BURLINGTON, IA 52655

Site 43 of 47 in cluster Q

FINDS:

Registry ID: 110061014940
Environmental Interest/Information System
LANDFILL GAS (LFG) RECOVERY

FINDS 1017372829
N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

Q178
NNE
> 1
4.418 mi.
23325 ft.

DES MOINES CO. REG. SOLID WASTE
13758 WASHINGTON RD
WEST BURLINGTON, IA

Site 44 of 47 in cluster Q

IA AST **A100372391**
N/A

Relative:
Higher

AST:

Key: 3213
Facility County Code: Not reported
Owners Name: DES MOINES CO. REG. SOLID WASTE
Owners Address: 1818 WEST BURLINGTON
Owners City,St,Zip: Burlington, IA 52601

Actual:
712 ft.

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

Q179
NNE
> 1
4.418 mi.
23325 ft.

DES MOINES COUNTY REGIONAL SANITARY LANDFILL
13758 WASHINGTON ROAD
WEST BURLINGTON, IA 52655

Site 45 of 47 in cluster Q

FINDS **1016062667**
N/A

Relative:
Higher

FINDS:

Registry ID: 110002352258

Actual:
712 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 SYNTHETIC MINOR

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

Q180
NNE
> 1
4.422 mi.
23348 ft.

GATEWAY CENTER CARE FACILITY-STP
13702 WASHINGTON ROAD
WEST BURLINGTON, IA 52655

IA NPDES **S108268807**
N/A

Site 46 of 47 in cluster Q

Relative:
Higher

NPDES:

Actual:
711 ft.

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

Q181
NNE
> 1
4.422 mi.
23348 ft.

GATEWAY CENTER CARE FACILITY-STP
13702 WASHINGTON ROAD
WEST BURLINGTON, IA 52655

FINDS **1005504895**
N/A

Site 47 of 47 in cluster Q

Relative:
Higher

FINDS:

Actual:
711 ft.

Registry ID: 110010031223

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 attainment: 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 attainment: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

R183 **WASHINGTON HEIGHTS CARE FACILITY**
NNE **13528 WASHINGTON RD**
> 1 **WEST BURLINGTON, IA 52655**
4.428 mi.
23379 ft. **Site 1 of 4 in cluster R**

FINDS **1011275236**
 N/A

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 **WASHINGTON HEIGHTS CARE FACILITY**
NNE **13528 WASHINGTON RD**
> 1 **WEST BURLINGTON, IA 52655**
4.428 mi.
23379 ft. **Site 2 of 4 in cluster R**

IA LUST **U004134411**
IA UST **N/A**

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

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
No Action Required:	False
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

Relative:
Higher

Actual:
722 ft.

FINDS:

Registry ID: 110056261977

Environmental Interest/Information System

IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor Documentation) provides information about existing emission factors

FINDS **1016694919**
N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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
Actual: Registry ID: 110025577329
706 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.

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
Site 2 of 3 in cluster T

FTTS **1009523599**
HIST FTTS **N/A**

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
Site 3 of 3 in cluster T

FTTS **1007294261**
HIST FTTS **N/A**

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 ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

U192 **ECHO VALLEY MOBILE HOME PARK NO.1** **FINDS** **1004466717**
NNE **14876 WASHINGTON RD**
> 1 **WEST BURLINGTON, IA 52655**
4.509 mi.
23807 ft. **Site 1 of 9 in cluster U**

Relative:
Higher

FINDS:

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

U193 **TIMBERLINE ESTATES, LTD.** **FINDS** **1004466719**
NNE **14876 WASHINGTON ROAD SUITE 117**
> 1 **WEST BURLINGTON, IA 52655**
4.509 mi.
23807 ft. **Site 2 of 9 in cluster U**

Relative:
Higher

FINDS:

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 ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

U194
NNE
> 1
4.509 mi.
23807 ft.
ECHO VALLEY MOBILE HOME PARK NO. 2
14876 WASHINGTON ROAD, LOT 117
WEST BURLINGTON, IA 52655
Site 3 of 9 in cluster U

IA NPDES
S108268741
N/A

Relative:
Higher

NPDES:

Actual:
714 ft.

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

U195
NNE
> 1
4.509 mi.
23807 ft.
TIMBERLINE ESTATES, LTD
14876 WASHINGTON ROAD
WEST BURLINGTON, IA 52655
Site 4 of 9 in cluster U

IA NPDES
S108268742
N/A

Relative:
Higher

NPDES:

Actual:
714 ft.

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

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 ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

	Site	Database(s)	
U196 NNE > 1 4.509 mi. 23807 ft.	ECHO VALLEY MOBILE HOME PARK NO. 2 14876 WASHINGTON ROAD, LOT 117 WEST BURLINGTON, IA 52655 Site 5 of 9 in cluster U	FINDS	1011289575 N/A
Relative: Higher	FINDS: 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		
U197 NNE > 1 4.540 mi. 23971 ft.	11432 WASHINGTON AVE WEST BURLINGTON, IA Site 6 of 9 in cluster U	HMIRS	9998040050 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. U198 NNE > 1 4.541 mi. 23976 ft.	11432 WASHINGTON RD WEST BURLINGTON, IA Site 7 of 9 in cluster U	HMIRS	9998080033 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. U199 NNE > 1 4.541 mi. 23976 ft.	11432 WASHINGTON RD WEST BURLINGTON, IA Site 8 of 9 in cluster U	HMIRS	9998120488 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.			

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

U200
NNE 11432 WASHINGTON ROAD
> 1 WEST BURLINGTON, IA
4.541 mi.
23976 ft. Site 9 of 9 in cluster U

HMIRS 9998081232
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.
201 JONES TRUCK LINES INC
NNE BEAVERDALE RD
> 1 WEST BURLINGTON, IA 52655
4.578 mi.
24173 ft.

IA UST U003633655
N/A

Relative: UST:
Higher Facility Id: 2490
Loc Id: 2490
Actual: Registration: 198601956
711 ft. 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 ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

V202 2514 W. MT. PLEASANT STREET
NE 2514 W. MT. PLEASANT STREET
> 1 WEST BURLINGTON, IA
4.671 mi.
24663 ft. Site 1 of 6 in cluster V

HMIRS 2008449185
N/A

Relative:
Higher [Click this hyperlink](#) while viewing on your computer to access additional HMIRS detail in the EDR Site Report.

Actual:
691 ft.
V203 UNITED PARCEL SERVICE
NE 2514 W MT PLEASANT CT
> 1 WEST BURLINGTON, IA 52655
4.671 mi.
24663 ft. Site 2 of 6 in cluster V

RCRA-CESQG 1004689140
FINDS IA0000350173
IA LUST
IA UST
IA Financial Assurance

Relative:
Higher RCRA-CESQG:
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
Used 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
No Action Required:	False
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.

UNITED PARCEL SERVICE
2514 W MOUNT PLEASANT ST
WEST BURLINGTON, IA

IA RGA LUST **S116266356**
N/A

Site 3 of 6 in cluster V

Relative:
Higher

RGA LUST:

2012 UNITED PARCEL SERVICE 2514 W MOUNT PLEASANT ST

Actual:
691 ft.

V205
NE
> 1
4.671 mi.
24663 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

Relative:
Higher

TIER 2:

Report Year: 2014
Facility Id: 326
Id: 4215
Description: COURIER SERVICES, EXCEPT AIR SIC

Actual:
691 ft.

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 ID
Direction
Distance
Elevation

MAP FINDINGS

EDR ID Number
EPA ID Number

V207
NE
> 1
4.800 mi.
25343 ft. **Site 6 of 6 in cluster V**

IA AIRS S107669041
N/A

Relative:
Higher

AIRS:
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

W208
ENE
> 1
4.865 mi.
25686 ft. **Site 1 of 2 in cluster W**

FINDS 1016180783
N/A

Relative:
Higher

FINDS:

Actual:
699 ft.

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

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
Site 2 of 2 in cluster W

RCRA-CESQG
IA AIRS
US AIRS
1004691366
IAR000008052

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

IA UST U003126807
IA Financial Assurance N/A

4.870 mi.
25714 ft. Site 1 of 3 in cluster X

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 ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

X211
ENE
> 1
4.870 mi.
25714 ft.

1108 W AGENCY RD
WEST BURLINGTON, IA 52655

Site 2 of 3 in cluster X

EDR US Hist Auto Stat 1015155921
N/A

Relative:
Higher

EDR Historical Auto Stations:
Name: WESTLAND CONOCO FAST BREAK
Year: 2010
Address: 1108 W AGENCY RD

Actual:
703 ft.

X212
ENE
> 1
4.870 mi.
25714 ft.

WESTLAND FAST BREAK
1108 W AGENCY RD
WEST BURLINGTON, IA 52655

Site 3 of 3 in cluster X

FINDS 1011296241
N/A

Relative:
Higher

FINDS:
Registry ID: 110036391721

Actual:
703 ft.

Environmental Interest/Information System
IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor
Documentation) provides information about existing emission factors

Y213
SSE
> 1
4.884 mi.
25788 ft.

WEVER JUNCTION
1621 GREEN BAY RD
WEVER, IA 52658

Site 1 of 3 in cluster Y

IA UST U003640696
IA SPILLS N/A
IA Financial Assurance

Relative:
Lower

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

Actual:
540 ft.

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

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 **AGRINEED, INC. DENMARK**
SW **1514 303RD AVENUE**
> 1 **DENMARK, IA 52624**
4.884 mi.
25789 ft. **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

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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

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Database(s)

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AGRINEED, INC. DENMARK (Continued)

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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 basic:	The Fertilizer Institute DEGADIS
Scenario:	Not reported

Map ID
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Elevation

MAP FINDINGS

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Database(s)

EDR ID Number
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AGRINEED, INC. DENMARK (Continued)

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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

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AGRINEED, INC. DENMARK (Continued)

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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
Federal regulation:	True
OSHA 1910 120:	False
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	True

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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:

Actual:
712 ft.

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 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: 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
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MAP FINDINGS

Site

Database(s)

EDR ID Number
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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 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

Map ID
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AGRINEED, INC. DENMARK (Continued)

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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

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AGRINEED, INC. DENMARK (Continued)

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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

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AGRINEED, INC. DENMARK (Continued)

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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

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AGRINEED, INC. DENMARK (Continued)

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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
Federal regulation:	True
OSHA 1910 120:	False
SPCC:	False
RCRA:	False
OPA 90:	False
EPCRA:	True
Other Regulations:	Not reported

RMP:

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

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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 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: 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

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AGRINEED, INC. DENMARK (Continued)

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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

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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
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Database(s)

EDR ID Number
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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
Site 5 of 8 in cluster Z

FINDS **1014700567**
N/A

Relative:
Higher

FINDS:

Actual:
712 ft.

Registry ID: 110043623656
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
Site 6 of 8 in cluster Z

ERNS **99653246**
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.
Z222

NEW LONDON FARMERS COOP
1514 303RD AVE
DENMARK, IA 52624

RCRA NonGen / NLR **1000124472**
IAD083492272

> 1
4.884 mi.
25789 ft.
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 ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

Z223
SW
> 1
4.884 mi.
25789 ft.
AGRILIANCE LLC - DENMARK
1514 303RD AVENUE
DENMARK, IA 52624
Site 8 of 8 in cluster Z

FINDS **1016107934**
N/A

Relative:
Higher

FINDS:

Registry ID: 110000520197

Actual:
712 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 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.

224
NNE
> 1
4.890 mi.
25818 ft.
11686 BEAVERDALE RD APT 37
11686 BEAVERDALE RD APT 37
WEST BURLINGTON, IA

US HIST CDL **1009622189**
N/A

Relative:
Higher

US HIST CDL:
Seizure Date: 2005-05-05

Actual:
700 ft.

225
SW
> 1
4.892 mi.
25828 ft.
BOHNENKAMP'S
351 ACADEMY
DENMARK, IA 52624

IA LUST **U003171899**
IA UST **N/A**

Relative:
Higher

LUST:

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

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 Other: Not reported

Misc Rec Date: 08/26/1991
Misc Title: Not reported

Misc Due Date: Not reported
Misc Other: Not reported

Misc Rec Date: 05/22/2000
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 Assessment 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 smplng. 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:

Actual:
709 ft.

Report Year: 2014
Facility Id: 3027
Id: 9131
Description: EXEC & LEGIS OFFICES COMBINED SIC
Last Modified: Not reported

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**

EDR Historical Auto Stations:

Name: BECKMAN TOWING & REPAIR
Year: 2004
Address: 2000 W MOUNT PLEASANT ST

**Actual:
709 ft.**

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 ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

230
SSE
> 1
4.991 mi.
26350 ft.

BEACH FRONT
3541 BLAKSLEE ST
WEVER, IA 52658

FINDS 1011270046
N/A

Relative:
Lower

FINDS:

Registry ID: 110036226410

Actual:
562 ft.

Environmental Interest/Information System
IDNR-EFD (Iowa Department Of Natural Resources - Emission Factor
Documentation) provides information about existing emission factors

Count: 95 records.

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

Count: 95 records.

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	DENNY'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
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/01/2015
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
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: 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
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: 515-281-4171
Last EDR Contact: 04/15/2015
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
Date Data Arrived at EDR: 04/21/2014
Date Made Active in Reports: 05/05/2014
Number of Days to Update: 14

Source: Department of Natural Resources
Telephone: 515-281-8801
Last EDR Contact: 04/20/2015
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
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/10/2015
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
Date Data Arrived at EDR: 02/06/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 04/09/2015
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
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 33

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/17/2015
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
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/14/2015
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
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/18/2015
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
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/13/2015
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
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 04/30/2015
Number of Days to Update: 51

Source: Department of Natural Resources
Telephone: 515-242-5818
Last EDR Contact: 03/09/2015
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
Date Data Arrived at EDR: 11/26/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/10/2015
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.

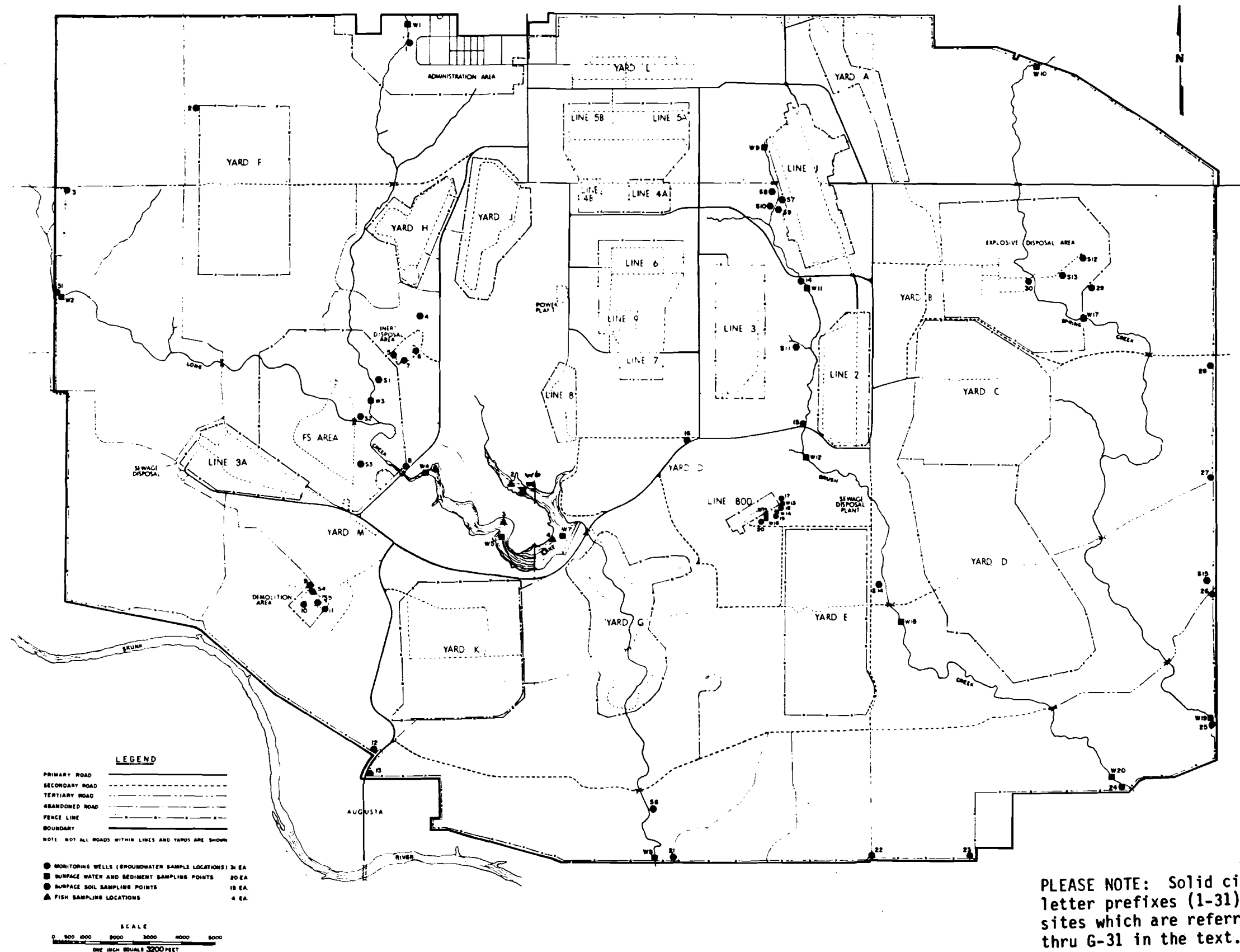
STREET AND ADDRESS INFORMATION

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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.

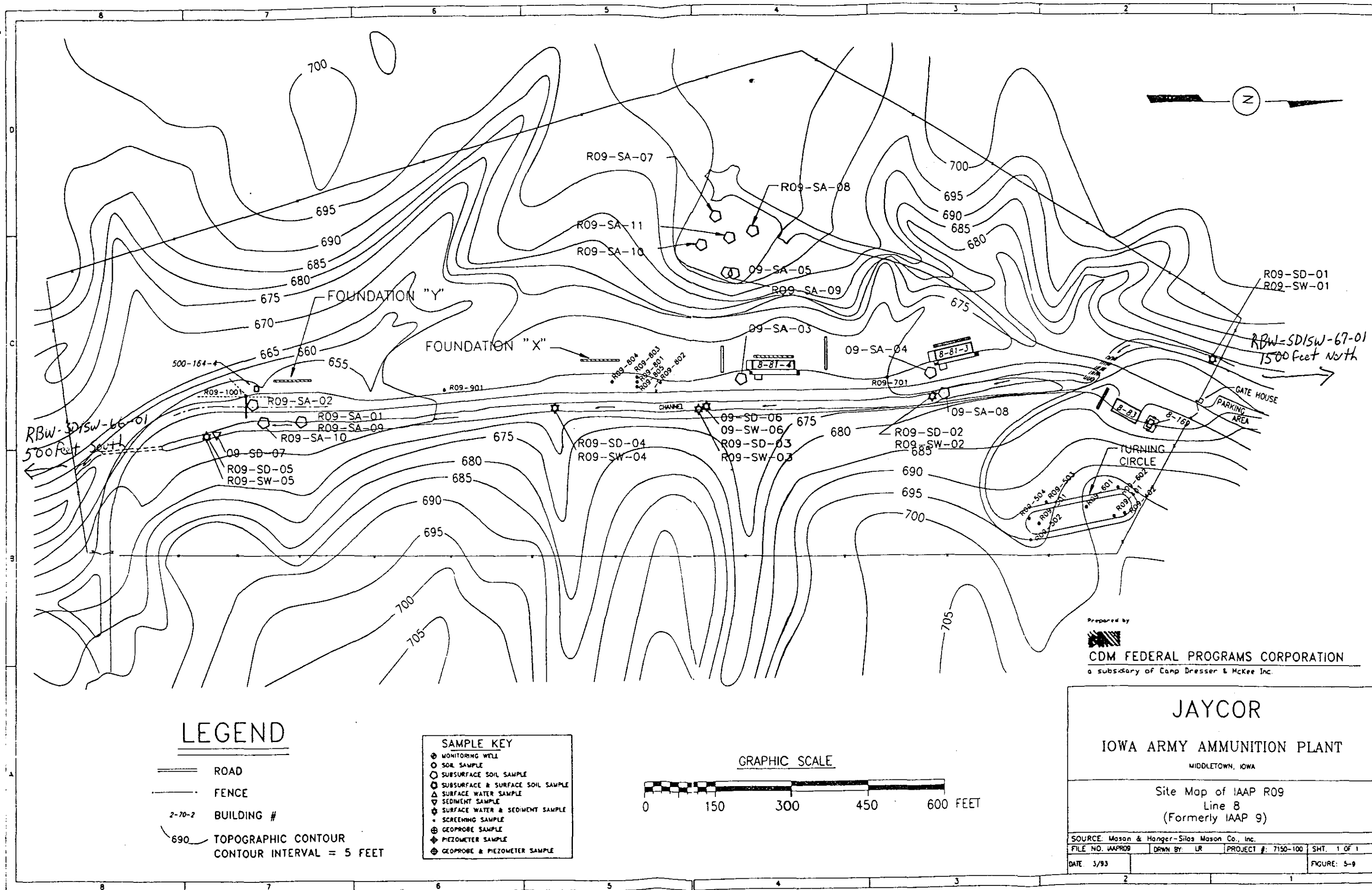
Document Numbers used within this Appendix relate to IAAAP Administrative Record numbers and USACE, St. Louis District FUSRAP website.



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.



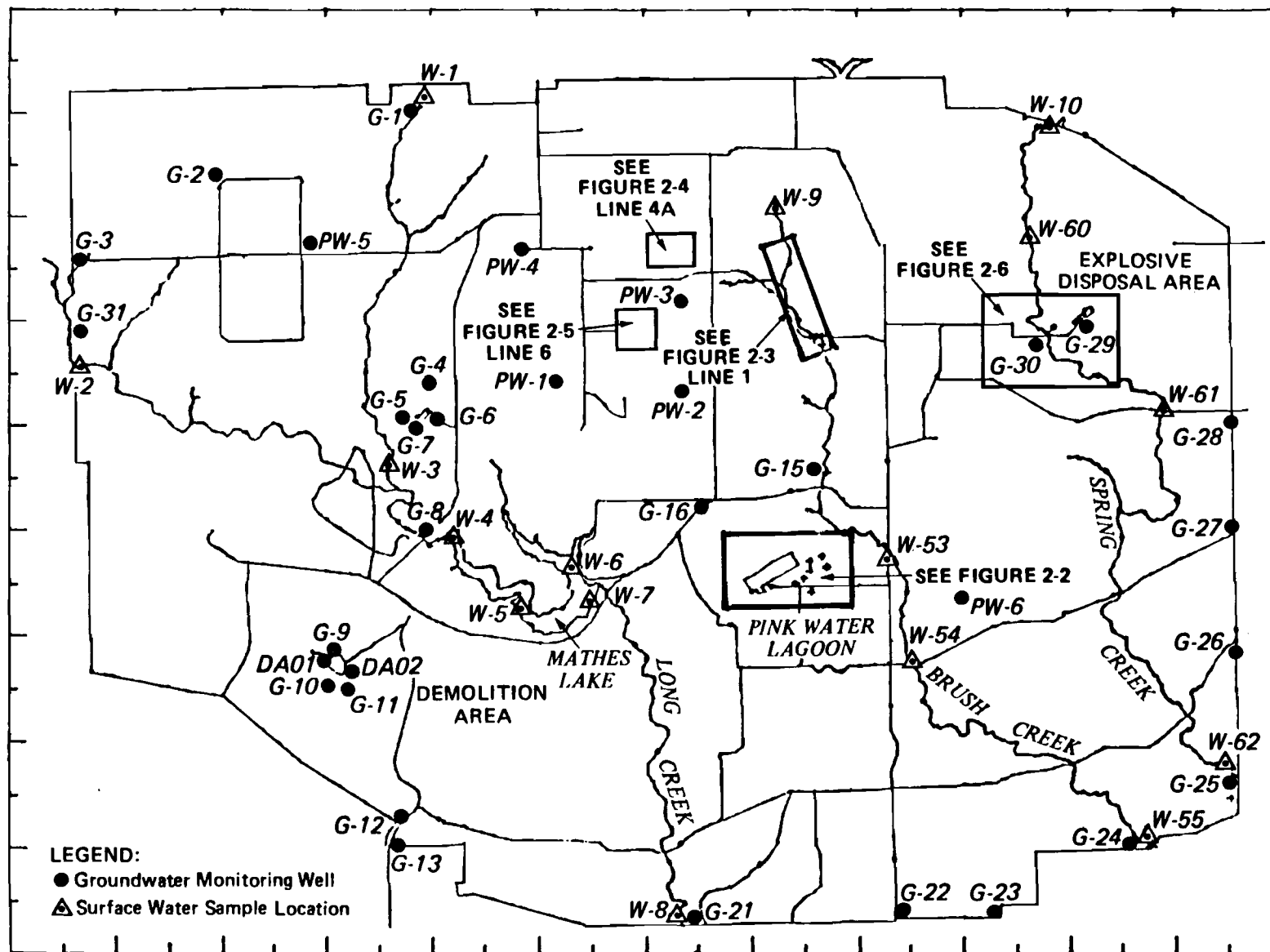
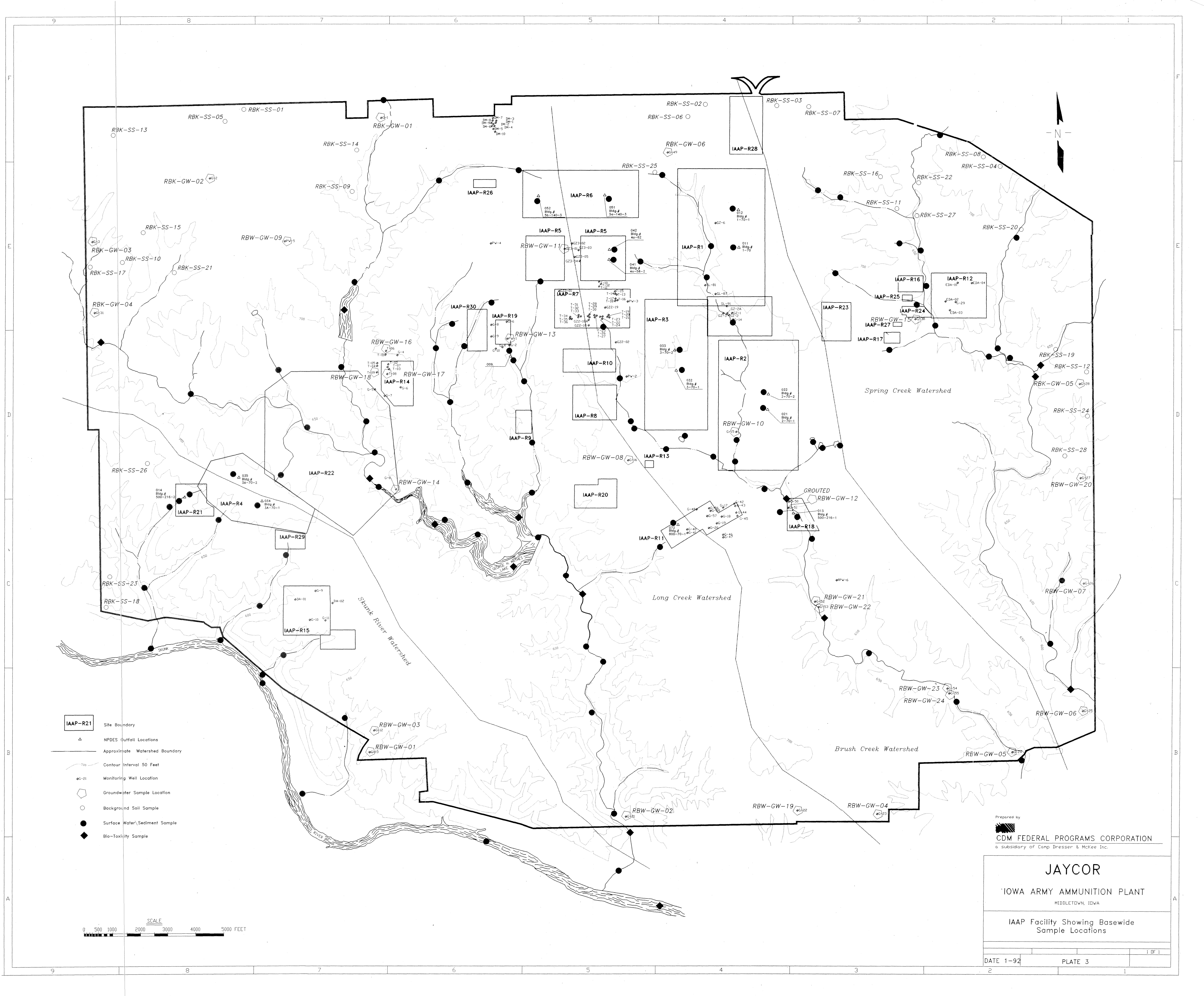


FIGURE 2-1

IOWA ARMY AMMUNITION PLANT— MID-WEST SITE CONFIRMATORY SURVEY
 GROUNDWATER AND SURFACE WATER SAMPLE LOCATIONS



Prepared by
CDM FEDERAL PROGRAMS CORPORATION
a subsidiary of Camp Dresser & McKee Inc.

JAYCOR
IOWA ARMY AMMUNITION PLANT
MIDDLETOWN, IOWA

IAP Facility Showing Basewide
Sample Locations