

CERFA Identification of Uncontaminated Property

at the

**Naval Reserve Center
Duluth, Minnesota**



**Naval Facilities Engineering Command
Mid-Atlantic**

Contract Number N62472-03-D-0057

Contract Task Order 0067

April 2007

CERFA IDENTIFICATION OF UNCONTAMINATED PROPERTY

AT THE

NAVAL RESERVE CENTER

DULUTH, MINNESOTA

**COMPREHENSIVE LONG-TERM
ENVIRONMENTAL ACTION NAVY (CLEAN) CONTRACT**

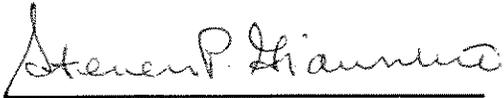
**Submitted to:
BRAC PMO Northeast
4911 S. Broad St.
Philadelphia, PA 19112**

**Submitted by:
Tetra Tech NUS, Inc
600 Clark Avenue, Suite 600
King of Prussia, PA 19406-1433**

**CONTRACT NO. N62472-03-D-0057
CONTRACT TASK ORDER 0067**

APRIL 2007

PREPARED UNDER THE DIRECTION OF:



**STEVEN P. GIANNINO, P.E.
PROJECT MANAGER
TETRA TECH NUS, INC.
GERMANTOWN, MARYLAND**

APPROVED FOR SUBMISSION BY:



**JOHN J. TREPANOWSKI, P.E.
PROGRAM MANAGER
TETRA TECH NUS, INC.
KING OF PRUSSIA, PENNSYLVANIA**

TABLE OF CONTENTS

1.0	BACKGROUND.....	1	
2.0	PURPOSE.....	1	
3.0	STATUTORY AUTHORITY	2	
4.0	CERFA PARCEL CLASSIFICATION PROCESS.....	2	
4.1	Detailed Search of Government Records	3	
4.2	Recorded Chain of Title Documents.....	4	
4.3	Aerial Photographs.....	4	
4.4	Visual Site Inspection.....	5	
4.5	Inspection of Adjacent Property	5	
4.6	Detailed Search of Government Records on Adjacent Property	6	
4.7	Interviews	7	
4.8	Sampling	8	
5.0	RESULTS OF CLASSIFICATION	8	
6.0	SIGNATURES.....	9	
LIST OF TABLES			
Table 1	Guidelines for Assignment of CERFA Categories.....	10	
LIST OF FIGURES			
Figure 1	CERFA Identification of Uncontaminated Property.....	12	
REFERENCES			13
APPENDIX A	GOVERNMENT FILE REVIEW DOCUMENTATION (INCLUDES GOVERNMENT DATABASE SEARCH CONTAINED ON CD)		
APPENDIX B	PROPERTY RECORDS		
APPENDIX C	AERIAL PHOTOGRAPHY		
APPENDIX D	VISUAL SITE INSPECTION		
APPENDIX E	ADJACENT PROPERTY INSPECTION		
APPENDIX F	INTERVIEWS		
APPENDIX G	SAMPLING DATA		
APPENDIX H	REGULATOR COMMENTS		

LIST OF ACRONYMS

ANG	Air National Guard
BRAC	Base Closure and Realignment Act
CDR	Commander
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERFA	Community Environmental Response Facilitation Act
DOD	Department of Defense
EDR	Environmental Data Resources, Inc.
FUDS	Formerly Used Defense Sites
IR	Installation Restoration
NRC	Naval Reserve Center
NWS	National Weather Service
Parcel 1 EBS	Parcel 1, 5019 Airport Road, Naval Reserve Center, Duluth, Minnesota
Parcel 2 EBS	Parcel 2, 5.27 Acres of leased land Adjacent to Naval Reserve Center, Duluth, Minnesota
PMO NE	Program Management Office Northeast
TtNUS	Tetra Tech NUS, Inc.
USAF	U.S. Air Force
VSI	Visual Site Inspection

1.0 BACKGROUND

In 2005, Naval Reserve Center (NRC), Duluth, Minnesota was designated for closure under the authority of the Defense Base Closure and Realignment Act (aka, BRAC) of 1990, Public Law 101-510 as amended. BRAC legislation requires that the base closure be in full compliance with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

NRC Duluth is located at 5019 Airport Road in Hermantown, Minnesota. Navy-owned property consists of the Reserve Center (Building 128) and two small buildings - a wood-paneled storage shed (Building 131) and an enclosed smoking area (unnumbered) constructed of wood-slatted walls. Building 128 is an approximately 13,392 square feet, two-story concrete-block building with stucco exterior constructed by the USAF as an administration building in 1956. It was first occupied by the Navy in 1985, and was altered to create offices and classrooms needed to accommodate Naval Reserve use requirements. The two small buildings are approximately 90 square feet each.

The buildings are situated on an approximately 1.15-acre parcel of land (Parcel 1) acquired from the U.S. Air Force (USAF). Over half of Parcel 1 (Subject Property) is wooded land. Immediately adjacent to the north is Parcel 2 - approximately 5.27-acres of land leased to the Navy by the City of Duluth. Parcel 2 consists of an 841-square feet garage (Building 201) with attached metal shed (approximately 696 square feet), asphalt parking lots and open land. Only the Navy-owned Parcel 1 is the subject of this report.

According to the June 1995 *Cultural Resources Survey and Assessment of Naval Reserve Centers within the Geographical Area of Responsibility of Southern Division, Naval Facilities Engineering Command, Charleston, South Carolina*, the NRC occupies the former Wing Headquarters for the now closed SAGE (Semi-Automatic Ground Environment) complex, a Cold War radar installation on the grounds of the former Duluth Air Force Base (now Duluth International Airport). The former SAGE facility, a large building across Airport Road to the east, is now occupied by the laboratories of the University of Minnesota-Duluth Natural Resources Research Institute (NRRI).

2.0 PURPOSE

The purpose of this document is to provide the results of the Navy's identification of uncontaminated property at NRC Duluth in accordance with CERCLA, as amended by the Community Environmental Response Facilitation Act (CERFA).

3.0 STATUTORY AUTHORITY

The statutory authority for the identification of uncontaminated property at NRC Duluth is Title 42, United States Code, Section 9620 (h)(4), entitled: "identification of uncontaminated property". CERFA, Public Law 102425, October 19, 1992 amended Section 120(h) of CERCLA and stipulates that the federal government must identify "uncontaminated property" scheduled for transfer. Uncontaminated property is defined as "...real property on which no hazardous substances and no petroleum products or their derivatives were known to have been released, or disposed of" [§9620 (h)(4)(A)].

The identification process shall be completed no later than 18 months after the date on which the real property is selected for closure [§9620 (h)(4)(C)(IV) and (E)(ii)(IV)]; that is, 18 months after November 9, 2005, or May 9, 2007.

This identification of uncontaminated property is not complete until concurrence in the results is obtained, in the case of real property that is not part of a facility on the National Priorities List (NPL), from the "appropriate State official" [§9620 (h)(4)(B)].

4.0 CERFA PROPERTY CLASSIFICATION PROCESS

CERFA [CERCLA Section 120 (h)(4)] requires the identification of uncontaminated property and stipulates that this identification "...shall be based on an investigation of the real property to determine or discover the obviousness of the presence or likely presence of a release or threatened release of any hazardous substance or any petroleum product or its derivatives, including aviation fuel and motor oil, on the real property". CERCLA 120(h)(4) stipulates that the identification of uncontaminated property shall consist of a review of various sources of information concerning the current and previous uses of the property.

The Navy has recently completed the February 24, 2006 *Environmental Baseline Survey, Parcel 1, 5019 Airport Road, Naval Reserve Center, Duluth, Minnesota* (Parcel 1 EBS), and the September 20, 2006 *Environmental Baseline Survey, Parcel 2, 5.27 Acres of Leased Land Adjacent to Naval Reserve Center, Duluth, Minnesota* (Parcel 2 EBS) to document the environmental condition of the NRC Duluth property. Preparation of these EBS reports included investigative efforts that meet the CERCLA 120(h)(4)(A) requirements for identification of uncontaminated property. In October 2006, the Navy performed additional research to update the February 2006 information for Parcel 1. Thus, the EBS reports and supplemental research serve as the basis of this report.

The identification of uncontaminated property consisted of a review of the following sources of information as required by CERFA.

4.1 DETAILED SEARCH OF FEDERAL GOVERNMENT RECORDS

An onsite records review was conducted by the Navy BRAC Program Management Office Northeast (PMO NE) and Tetra Tech NUS, Inc. (TtNUS) on October 11, 2006. NRC Duluth personnel made available for review pertinent file documentation and drawings to provide historic information regarding hazardous material and petroleum usage and hazardous waste generation and disposal at NRC. Records available for review at the NRC included the following:

- Environmental Compliance Evaluation (May 26, 1994)
- Environmental Compliance Evaluation (July 14, 1998)
- Hazardous Waste Management Plan (October 1, 1999)
- Radon Survey (January 1995)
- Asbestos Containing Material/Lead Based Paint Survey (July 9, 2001)
- Asbestos Removal Specifications (building interior only; February 22, 1995)
- NAVOSH (safety) Inspection (June 14, 2001)
- NAVOSH Inspection (October 2002)
- Cultural Resources Survey and Assessment (June 1995)
- Engineering drawings - Repairs and Alterations (January 16, 1984)
- Site Plan (October 21, 1986)
- Building floor plans and space usage inventory (May 21, 2003)
- Material Safety Data Sheets (all janitorial supplies)
- Miscellaneous Navy and DoD memoranda and correspondence

In addition to the onsite records review, a commercial database search from Environmental Data Resources, Inc. (EDR) of the subject property and adjacent properties was conducted September 22, 2006 to update the search included in the Parcel 1 EBS report. The search consists of a review of records and reports maintained by other federal, state and local agencies.

A records review was also performed during preparation of the Parcel 1 EBS, including a review of Minnesota Air National Guard (ANG) Installation Restoration (IR) Program site investigation and remediation reports for IR Sites 3 and 4 on the west and north adjoining properties of Parcel 2.

Based on the review of onsite records, the EBS reports and the EDR report, there have been no known releases or disposal of hazardous substances or petroleum products on Parcel 1 at NRC Duluth.

Furthermore, use and/or storage of hazardous substances or petroleum products has been limited to *de minimis* quantities of maintenance and cleaning products, and there are no records indicating the generation of wastes other than minimal quantities of used paint (< 1 kg/mo), used aerosol paint containers (< 1 kg/mo), fluorescent light bulbs (4/month) and used oil (5 gallons/month from oil changes in Parcel 2 disposed at local service station).

A References list of documentation reviewed is provided at the end of this report, and copies of select documentation not readily available in previously published reports are included in Appendix A. The EDR report is included in Appendix A on the CD that accompanies this document.

4.2 RECORDED CHAIN OF TITLE DOCUMENTS

A chain of title search was not performed. The Subject Property was undeveloped until Building 128 was constructed by the USAF in 1956. A copy of the Memorandum for the Secretary of the Navy from the Department of the Air Force transferring the property to the Navy is included here as Appendix B, along with a real estate summary map. The documentation attached to the memorandum indicates the Navy accepted the property from the USAF in 1988.

4.3 AERIAL PHOTOGRAPHS

Historic aerial photographs dated 1952, 1964, 1970, 1976, 1988, 1991 and 1998 were reviewed and included in the Parcel 1 EBS report. Copies are included in this report as Appendix C. Also, a 2006 aerial photograph was obtained from Google Earth (Figure 1).

The aerial photograph analyses were used to:

- Track the development history of the Subject Property.
- Track the history of surrounding site development.
- Identify anomalies; e.g., ground scars, cleared areas, debris piles, possible disposal areas, etc., for further assessment, inspection, and/or investigation.

While informative, aerial photographs alone are rarely conclusive. Anomalies may be attributable to a number of causes unrelated to environmental concerns. Therefore, the results of the aerial photographic analyses were evaluated and cross-referenced with the:

- Results of records reviews and site inspections.
- Results of interviews with current NRC Duluth employees.
- Results of historic map analysis.

Review of the aerial photographs corroborated the developmental history of the Subject Property, confirming the site was developed after 1952. There were no observations that suggested the release or disposal of hazardous substances or petroleum products on or immediately adjacent to the Subject Property.

4.4 VISUAL SITE INSPECTION

A visual site inspection (VSI) was completed for the Parcel 1 EBS on October 6, 2005, and BRAC PMO NE and TtNUS conducted a follow-up VSI on October 11, 2006. Commander (CDR) Erik Isaacson (NRC Commanding Officer) and Petty Officer Garcia provided a tour of the buildings and grounds comprising Parcel 1 and the north adjacent property - Parcel 2. Notes, observations and photographs from the October 2006 VSI are included in Appendix D. The aerial photograph review and historic topographic map (1895, 1953, 1954, 1969, 1975, 1981, and 1993) analyses in the EBS also constitute a visual inspection of the subject and adjacent properties from 1895 to 2006.

No signs of release or disposal of hazardous substances or petroleum products were observed on the Subject Property. Furthermore, no use and/or storage of hazardous substances or petroleum products were observed other than *de minimis* quantities of janitorial supplies.

4.5 INSPECTION OF ADJACENT PROPERTY

Properties immediately adjacent to the Subject Property and properties in the surrounding area were inspected during the conduct of the October 2005 (Parcel 1 EBS) and October 2006 VSIs.

Immediately adjacent properties consist of:

- **North** - NRC parking lots and garage (Parcel 2) with ANG IR Site 4 beyond
- **South** - four-lane highway (U.S. Highway 53, aka Miller Trunk Highway)
- **East** - NRRRI laboratory facility across Airport Drive (aka Washington Street)
- **West** - woods and a National Weather Service (NWS) radar facility with ANG IR Site 3 to its north

Evaluation of adjacent and surrounding properties included drive-by inspections, analysis of a current (2006) aerial photograph, review of the commercial database search results discussed in Section 4.6, and

review of the Parcel 2 EBS which included a limited sampling investigation to assess potential impacts from ANG IR Sites 3 and 4. Adjacent property observations are provided in the table in Appendix E, along with associated photographs.

Based upon these inspections and record reviews, there is no known reason to suspect that conditions on the immediately adjacent or adjoining properties have impacted the Subject Property.

4.6 DETAILED SEARCH OF GOVERNMENT RECORDS ON ADJACENT PROPERTY

The Subject Property was not identified in any of the databases searched by EDR. The database search did identify the following numbers and types of sites listed on federal and/or state databases within the specified search radii:

- Formerly Used Defense Sites (FUDS) within 0.125 mile – 1 (Duluth International Airport which is covered by the ANG IR Program)
- RCRA Large Quantity Generators within 0.25 mile – 1
- RCRA Small Quantity Generators within 0.25 mile – 10
- Leaking Underground Storage Tanks (LUSTs) within 0.5 mile – 12
- Underground Storage Tanks (USTs) within 0.25 mile – 3
- Leaking Aboveground Storage Tanks (LASTs) within 0.5 mile -1
- Aboveground Storage Tanks (ASTs) within 0.25 mile – 3

With the exception of one RCRA Small Quantity Generator, JD's Sports and Repair, all of the sites identified in the September 22, 2006 database search were also identified in the database search included in the Parcel 1 EBS where they were evaluated and found unlikely to pose an environmental concern to the Subject Property based on closure documentation, regional groundwater drainage, information in historic reports (e.g., site-specific groundwater flow direction), topographic location and subsurface lithology. Because JD's Sports and Repair has not reported releases and was determined to be well west of the Subject Property during an area reconnaissance on the afternoon of October 11, 2006, it is not likely to impact the Subject Property.

The September 22, 2006 database search also identified 31 orphan sites it was unable to map because of incomplete or inaccurate addresses. Based on address information, area reconnaissance and review of a local street map, many of these are not in the surrounding area and none are located immediately adjacent to the Subject Property, therefore they are unlikely to pose an environmental concern. One of the orphan sites was a LUST site in the name of the NRRI/University of Minnesota-Duluth; however, the address listed (3153 Miller Trunk Highway) is not the same address as the NRRI facility (5013 Miller

Trunk Highway) immediately adjacent to the east side of the NRC. An online search of the Minnesota Pollution Control Agency (PCA) Aboveground/Underground Storage Tank database (http://www.pca.state.mn.us/programs/lust_pSearch.cfm) resulted in three sets of UST results (see Appendix A) for NRRI as follows:

- U of Duluth – NRRI Building (5013 Miller Trunk Highway) – 4 removed; 2 closed in place; 1 active
- NRRI/University of Minnesota-Duluth (5013 Miller Trunk Highway) – 5 removed; 1 active
- NRRI/University of Minnesota-Duluth (3153 Miller Trunk Highway) – 1 leaking

Trish Sodahl, Administrative Director of the NRRI, was contacted on October 27, 2006 regarding these discrepancies. She confirmed that 5013 Miller Trunk Highway is the correct address and agreed to review the facility files to find any records related to UST locations and/or releases. In a follow-up conversation, she reported that addresses on Miller Trunk Highway had been renumbered in the past, so 3153 Miller Trunk Highway was the address of NRRI under the previous system. She also indicated that the NRRI facility did have a leaking UST in the past, but she did not know any of the details regarding the extent of contamination. The Minnesota PCA database search result indicates a release of Fuel Oil 1 and 2 was reported May 22, 1990, and that site closure was completed February 11, 2000.

On December 7, 2006, Steve Leppala of the Minnesota PCA stated that the project information for the leaking UST at NRRI (ID Number 2584) has been archived, and that site closure would not have been achieved had unacceptable risks to human health or the environment remained. Mr. Leppala provided contact information for Jim Pennino, the Minnesota PCA hydrogeologist for the Curtis Oil leaking UST site (ID Number 8660) which is immediately adjacent to the east side of the NRRI facility. Mr. Pennino stated the groundwater flow direction at the Curtis Oil site is to the east and northeast. Based on the information provided by Minnesota PCA, the former leaking UST at the NRRI facility is not likely to have impacted the Subject Property.

Ms. Sodahl was also asked about steam lines shown leading from the former SAGE (current NRRI) facility to the NRC boiler room on 1984 and 1986 drawings (Appendix A). She was not aware of these lines, nor how or where they were disconnected when the Navy acquired Building 128 from the USAF.

4.7 INTERVIEWS

TtNUS and PMO NE conducted interviews with key personnel at NRC Duluth consisting of CDR Isaacson, CPO Garcia and PSC Branning during the October 11 site visit. CDR Isaacson and CPO Garcia served as escorts during the visual site inspection. Interviews with NRC personnel and representatives of other state and local agencies were also conducted during preparation of the EBS

report. Appendix F contains the interview notes from the October 11, 2006 site visit. Based on these interviews, hazardous substances and petroleum products have not been used or stored on the Subject Property, except in *de minimis* quantities, and there have been no known releases or disposal.

4.8 SAMPLING

No sampling was conducted as part of this CERFA classification process. Soil and groundwater sampling was conducted in June 2006 as part of the EBS for Parcel 2. Six soil borings were completed with three converted to shallow (12 ft.) groundwater monitoring wells. Soil and groundwater samples were analyzed for volatile organic compounds and polynuclear aromatic hydrocarbons (indicator analytes for fuel oil and solvents associated with IR Sites 3 and 4). No impacts were identified that exceeded risk-based or regulatory comparison criteria.

5.0 RESULTS OF CLASSIFICATION

All real property at NRC Duluth was reviewed for potential release of hazardous substances, petroleum products, and petroleum product derivatives as described in the preceding section. Table 1 outlines the property classification guidelines used in the process. In general accordance with CERFA procedures, the property was to be classified into one or more of the three following categories:

- **Category 1 (CERFA Uncontaminated)** – Real property on which no hazardous substances and no petroleum products or their derivatives are known to have been released or disposed.
- **Category 2 (Known Release and/or Disposal)** – Real property on which hazardous substances and/or petroleum products or their derivatives are known to have been released or disposed, including property where all response action necessary to protect human health and the environment with respect to hazardous substances or petroleum products/derivatives has been taken.
- **Category 3 (Potential Release and/or Disposal)** – Real property on which there is potential for hazardous substances and/or petroleum products or their derivatives to have been released or disposed, and some level of further assessment or evaluation is required to make this determination.

Based on the findings that hazardous substances and/or petroleum products have not been used at NRC Duluth, except in *de minimis* quantities, and that there have been no known releases or disposal of hazardous substances or petroleum products, all property on Parcel 1 is classified as CERFA uncontaminated, as defined in CERCLA Section 120 (h)(4).

6.0 SIGNATURES

Submitted

Dawn C. Kincaid
BRAC Environmental Coordinator

Date

Concurrence

Concurrence with CERFA Identification of Uncontaminated Property is indicated by signature below. This concurrence applies only to the identification of "CERFA uncontaminated" property identified in this document as Category 1.

Brad Moore, Commissioner
Minnesota Pollution Control Agency

Date

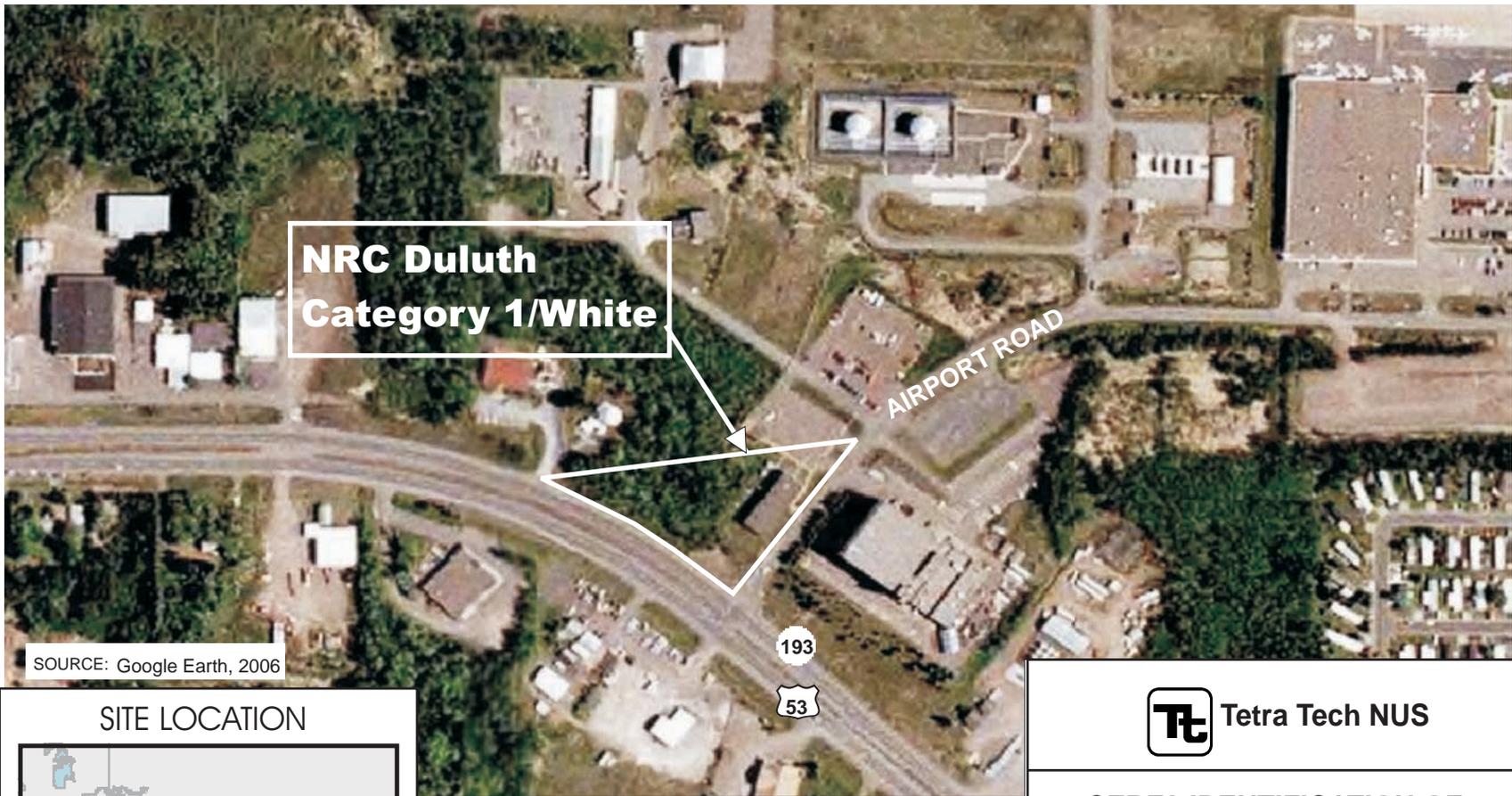
Table 1
Guidelines for Assignment of CERFA Categories ^{1,2}
BRAC PMO Northeast Facilities
 Page 1 of 2

Potential Source Impacting Real Property (Land) Considered Under CERFA	Category
LEAD-BASED PAINT (LBP)	
Family housing, or former site of family housing, older than 1978, no evaluation completed	3
Family housing, or former site of family housing, older than 1978, evaluation completed and response action required	2
Family housing, or former site of family housing, older than 1978, evaluation completed and no response action required	1
Family housing, or former site of family housing, newer than 1978	1
Water tower or large steel structure (e.g., >10,000-gal aboveground storage tank [AST]), older than 1978 (or former site of such), no evaluation completed.	3
Water tower or large steel structure (e.g., >10,000-gal AST), older than 1978 (or former site of such), evaluation completed and response action required.	2
Water tower or large steel structure (e.g., >10,000-gal AST), older than 1978 (or former site of such), evaluation completed and no response action required	1
Water tower or large steel structure (e.g., >10,000-gal AST), newer than 1978 (or former site of such)	1
Other structure, older than 1978, no LBP documentation, visibly peeling paint,	3
Other structure, older than 1978, no LBP documentation, no visibly peeling paint	1
Other structure, newer than 1978, regardless of paint condition	1
Note: interior painted surfaces – not a consideration	
STORAGE TANKS	
UST, documented closure, no release, regulatory concurrence	1
UST, documented closure, completed remedy, regulatory concurrence	2
UST, removed but no closure documentation and no regulatory concurrence	3
UST, documented closure, but no regulatory concurrence (or concurrence pending)	3
AST, visible evidence of possible leakage (e.g., stained pad without secondary containment)	3
AST, documented evidence of leakage	2
AST, no visible or documented evidence of possible leakage	1
MAGAZINES	
No NOSSA closure documentation.	3
NOSSA closure documentation completed, response required.	2
NOSSA closure documentation completed, no response required	1
BOILER AND MECHANICAL ROOMS, INDUSTRIAL BUILDINGS	
Significant floor stains next to significant floor cracks, corrosion, or holes at seams to exterior wall	3
Significant floor stains but no or only minor floor cracks, corrosion, or holes at seams to exterior wall	1
Good condition, no visible or documented evidence of leakage	1
Visible or documented evidence of leakage (regardless of condition)	2

Table 1
Guidelines for Assignment of CERFA Categories ^{1,2}
BRAC PMO Northeast Facilities
Page 2 of 2

Potential Source Impacting Real Property (Land) Considered Under CERFA	Category
ASBESTOS CONTAINING MATERIAL (ACM)	
Documented external ACM that is friable, accessible, and damaged (FAD)	2
Possible external ACM, appears to be FAD	3
External ACM (documented or possible), non-friable	1
Note: Interior ACM – not a consideration	
GROUNDWATER PLUMES	
If plume is present, regardless of aboveground conditions	2
AERIAL PHOTO OBSERVATIONS	
Historical photo shows what clearly appears to be a former industrial facility (e.g., factory, commercial garage, hangar, filling station) that stored and handled larger than household quantities of hazardous materials or petroleum products, no other information available	3
Historical photo shows what was most likely a residence, barn, private garage, or commercial establishment that did not likely store and handle larger than household quantities of hazardous materials or petroleum products (e.g., a restaurant), no other information available	1
CERCLA/RCRA/MRP SITES	
Identified Sites, subsequent investigation confirmed a release	2
Identified Sites, subsequent investigation confirmed that release had not occurred	1

- 1 Developed by TtNUS in consultation with BRAC PMO Northeast, October 2006.
- 2 The CERFA category assignments reflect whether hazardous substances and/or petroleum products have been released to external environmental media. Assignments made for structures actually refer to the land surrounding and adjacent to the structures rather than the structures themselves.



SOURCE: Google Earth, 2006

SITE LOCATION



LEGEND

-  Category 1/White-Areas of no known release and/or disposal
-  Category 2/Red-Areas of known release and/or disposal
-  Category 3/Yellow-Areas of potential release and/or disposal



CERFA IDENTIFICATION OF UNCONTAMINATED PROPERTY NAVAL RESERVE CENTER DULUTH, MINNESOTA

FILE Duluth_CERFA_15Dec06.cdr	SCALE 1" = 190 Feet
FIGURE NUMBER FIGURE 1	REV DATE 1 12/15/06

REFERENCES

Branning, 2006. Interview given by PSC Kenneth Branning, Senior Enlisted Leader, Naval Reserve Center, Duluth, Minnesota, October 11, 2006.

Environmental Data Resources, Inc., 2006. EDR Radius Map with GeoCheck® Navy Reserve Center Duluth, 5019 Airport Road, Hermantown, MN 55811, Inquiry Number 1760779.1s. September 22, 2006.

Garcia, 2006. Interview and site tour given by CPO "Doc" Garcia, Naval Reserve Center, Duluth, Minnesota, October 11, 2006.

Google Earth, 2006. Aerial Photograph (©2006 Google - Imagery ©2006 DigitalGlobe, Map Data ©2006 NAVTEQ™), Duluth, MN, 2006. <http://earth.google.com>

Isaacson, 2006. Interview and site tour given by CDR Eric Isaacson, Commanding Officer, Naval Reserve Center, Duluth, Minnesota, October 11, 2006.

Leppala, 2006. Telephone interview with Steve Leppala, Minnesota Pollution Control Agency, Duluth, Minnesota, December 7, 2006.

MPCA, 2006. Minnesota Pollution Control Agency, Minnesota Aboveground / Underground Storage Tank Database, http://www.pca.state.mn.us/programs/lust_pSearch.cfm. St. Paul, Minnesota, October 2006.

Pennino, 2006. Telephone interview with Jim Pennino, Minnesota Pollution Control Agency, St. Paul, Minnesota, December 7, 2006.

Sodahl, 2006. Telephone interview with Trish Sodahl, Administrative Director, University of Minnesota-Duluth Natural Resources Research Institute, Duluth, Minnesota, October 27, 2006.

Tetra Tech NUS, Inc., 2006. Visual Site Inspection of Subject and Adjacent Properties by Lawson Anderson, October 11, 2006.

U.S. Navy, 1984. (Naval Facilities Engineering Command, Navy Public Works Center) Repairs and Alterations, Naval Reserve Center (AFB), Duluth, MN, NAVAC Drawing Nos. 2072220 and 2072212. Great Lakes, Illinois, February 27, 1984.

U.S. Navy, 1986. (Naval Reserve Readiness Command Region 13, Facilities Planning and Maintenance) Site Plan, Naval Reserve Center, Duluth, MN. Great Lakes, Illinois, October 21, 1986.

U.S. Navy, 1995. (Naval Facilities Engineering Command, Southern Division) Cultural Resources Survey and Assessment of Naval Reserve Centers within the Geographical Area of Responsibility of Southern Division, Naval Facilities Engineering Command, Charleston, South Carolina. Charleston, South Carolina, June 1995.

U.S. Navy, 2006. (Engineering Field Activity, Midwest, Naval Facilities Engineering Command) Environmental Baseline Survey, Parcel 1, 5019 Airport Road, Naval Reserve Center, Duluth, Minnesota. Great Lakes, Illinois, February 24, 2006.

U.S. Navy, 2006. (Engineering Field Activity, Midwest, Naval Facilities Engineering Command) Environmental Baseline Survey, Parcel 2, 5.27 Acres of Leased Land Adjacent to Naval Reserve Center, Duluth, Minnesota. Great Lakes, Illinois, September 2006.

U.S. Navy, 2006. (Naval Reserve Center, Duluth, Minnesota) Various correspondence, memoranda and records. Duluth, Minnesota, October 11, 2006.

APPENDIX A
GOVERNMENT FILE REVIEW DOCUMENTATION

Naval Reserve Center, Duluth, Minnesota
CERFA Identification of Uncontaminated Property

EDR Report
Navy Reserve Center Duluth



EDR® Environmental
Data Resources Inc

The EDR Radius Map with GeoCheck®

**Navy Reserve Center Deluth
5019 Airport Road
Hermantown, MN 55811**

Inquiry Number: 1760779.1s

September 22, 2006

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	88
EPA Waste Codes	EPA-1
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-8
Physical Setting Source Map Findings	A-9
Physical Setting Source Records Searched	A-38

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

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2006 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission. EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

5019 AIRPORT ROAD
HERMANTOWN, MN 55811

COORDINATES

Latitude (North): 46.836000 - 46° 50' 9.6"
Longitude (West): 92.208800 - 92° 12' 31.7"
Universal Transverse Mercator: Zone 15
UTM X (Meters): 560337.0
UTM Y (Meters): 5187025.0
Elevation: 1420 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 46092-G2 DULUTH HEIGHTS, MN
Most Recent Revision: 1993

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:

FEDERAL RECORDS

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
Delisted NPL..... National Priority List Deletions
NPL RECOVERY..... Federal Superfund Liens
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
CORRACTS..... Corrective Action Report
RCRA-TSDF..... Resource Conservation and Recovery Act Information
ERNS..... Emergency Response Notification System

EXECUTIVE SUMMARY

HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SHWS	Site Remediation System Database
MN PLP	Permanent List of Priorities
MN DEL PLP	Delisted Permanent List of Priorities
SWF/LF	Permitted Solid Waste Disposal Facilities
MN LCP	Closed Landfills Priority List
MN LS	List of Sites
LIENS	Environmental Liens
BULK	Bulk Facilities Database
MN Spills	Spills Database
MN AGSPILLS	Department of Agriculture Spills
INST CONTROL	Site Remediation Section Database
MN VIC	Voluntary Investigation and Cleanup Program
DRYCLEANERS	Registered Drycleaning Facilities
BROWNFIELDS	Petroleum Brownfields Program Sites
CDL	Clandestine Drug Labs
MN Enforcement	Generators Associated with Enforcement Logs
MN HWS Permit	Active TSD Facilities
AIRS	Permit Contact List
TIER 2	Tier 2 Facility Listing

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
INDIAN LUST	Leaking Underground Storage Tanks on Indian Land
INDIAN UST	Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

EXECUTIVE SUMMARY

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.

FEDERAL RECORDS

RCRAInfo: 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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. 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-LQG list, as provided by EDR, and dated 06/13/2006 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>CIRRUS DESIGN CORPORATION</i>	<i>4515 TAYLOR CIRCLE</i>	<i>1/8 - 1/4 NE</i>	<i>15</i>	<i>29</i>

RCRAInfo: 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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. 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-SQG list, as provided by EDR, and dated 06/13/2006 has revealed that there are 10 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>TURBO-DIESEL INJECTION SERVICE</i>	<i>5043 MILLER TRUNK HWY</i>	<i>0 - 1/8 SSW</i>	<i>A1</i>	<i>6</i>
<i>AT & T WIRELESS</i>	<i>5051 MILLER TRUNK HWY</i>	<i>0 - 1/8 W</i>	<i>3</i>	<i>8</i>
<i>AUTOMEDIC COLLISION RPE CTR</i>	<i>5014 MILLER TRUNK HWY</i>	<i>0 - 1/8 S</i>	<i>B5</i>	<i>11</i>
<i>BILLMAN HOME CTR CONSTRUCTION</i>	<i>5010 MILLER TRUNK HWY</i>	<i>0 - 1/8 SSE</i>	<i>B6</i>	<i>11</i>
<i>NATIONAL WEATHER SERVICE</i>	<i>5027 MILLER TRUNK HWY</i>	<i>0 - 1/8 SSE</i>	<i>8</i>	<i>14</i>
<i>NORTHSIDE TRUCK SALES & SERVIC</i>	<i>5040 MILLER TRUNK HWY</i>	<i>0 - 1/8 WNW</i>	<i>C10</i>	<i>17</i>
<i>JD'S SPORTS & REPAIR</i>	<i>5040 MILLER TRUNK HWY</i>	<i>0 - 1/8 WNW</i>	<i>C11</i>	<i>17</i>

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CUSTOM COACH AUTOBODY HERMANTOWN RADIATOR RPR	5083 MILLER TRUNK HWY 5087 MILLER TRUNK HWY	1/8 - 1/4 WNW 19 1/8 - 1/4 WNW 20		66 71
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
UNIV OF MINN RR INST	5013 MILLER TRUNK HWY	1/8 - 1/4 SE	D16	42

FUDS: 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.

A review of the FUDS list, as provided by EDR, and dated 12/05/2005 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DULUTH INTERNATIONAL AIRPORT		1/2 - 1 ENE	28	86

STATE AND LOCAL RECORDS

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Minnesota Pollution Control Agency's Leak Sites list.

A review of the LUST list, as provided by EDR, and dated 06/01/2006 has revealed that there are 12 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
KOLAR GARAGE Complete Site Closed Date: 10/14/1998 00:00:00	5020 MILLER TRUNK HIGHW	0 - 1/8 SSW	A2	6
PELLA WINDOWS AND DOORS Complete Site Closed Date: 02/07/2000 00:00:00	5033 MILLER TRUNK HIGHW	0 - 1/8 SSE	B4	9
BILLMAN CONSTRUCTION COMPANY Complete Site Closed Date: 10/07/2002 00:00:00	5010 MILLER TRUNK HWY	0 - 1/8 SSE	B7	12
MINER'S INCORPORATED Complete Site Closed Date: 04/08/1997 00:00:00	5065 MILLER TRUNK HWY	1/8 - 1/4 WNW 13		20
HERMANTOWN SERVICE CENTER Complete Site Closed Date: 11/10/1997 00:00:00	5097 MILLER TRUNK HWY	1/4 - 1/2 W	25	79
SPUR NO 5054 Complete Site Closed Date: 01/23/2003 00:00:00	5106 MILLER TRUNK HWY	1/4 - 1/2 W	26	81
HERMANTOWN FEDERAL CREDIT UNIO Complete Site Closed Date: 08/17/1994 00:00:00	5116 MILLER TRUNK HIGHW	1/4 - 1/2 W	27	84
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DEFENSE REVITALIZATION AND MAR Complete Site Closed Date: 01/14/1998 00:00:00	4997 AIRPORT RD	1/8 - 1/4 ENE	14	27
FOOD AND FUEL Complete Site Closed Date: 08/06/1998 00:00:00	4997 MILLER TRUNK HWY	1/4 - 1/2 SE	E21	71
FOOD N FUEL Complete Site Closed Date: 02/07/2000 00:00:00	4997 MILLER TRUNK HWY	1/4 - 1/2 SE	E22	73

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CURTIS OIL BULK FACILITY	4995 MILLER TRUNK HWY	1/4 - 1/2 SE	E23	75
MILLER TRUNK FOOD N FUEL	4991 MILLER TRUNK HWY	1/4 - 1/2 SE	24	77

Complete Site Closed Date: 09/14/1998 00:00:00

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 Minnesota Pollution Control's Underground Storage Tank File.

A review of the UST list, as provided by EDR, and dated 06/01/2006 has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
MINER'S INCORPORATED	5065 MILLER TRUNK HWY	1/8 - 1/4 WNW 13		20

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
U OF DULUTH - NRRI BUILDING	5013 MILLER TRUNK HWY	1/8 - 1/4 SE	D17	43
NRRI/UNIVERSITY OF MN-DULUTH	5013 MILLER TRUNK HWY	1/8 - 1/4 SE	D18	53

LAST: A listing of leaking aboveground storage tanks.

A review of the LAST list, as provided by EDR, and dated 06/01/2006 has revealed that there is 1 LAST site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
BIG RIG REPAIRS	5040 MILLER TRUNK HWY	0 - 1/8 WNW C12		18

Complete Site Closed Date: 01/12/1996 00:00:00

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Minnesota Pollution Control's Aboveground Storage Tank File.

A review of the AST list, as provided by EDR, and dated 06/01/2006 has revealed that there are 3 AST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
NORTH SIDE TRUCK SALES AND SER	5040 MILLER TRUNK HWY	0 - 1/8 WNW C9		15

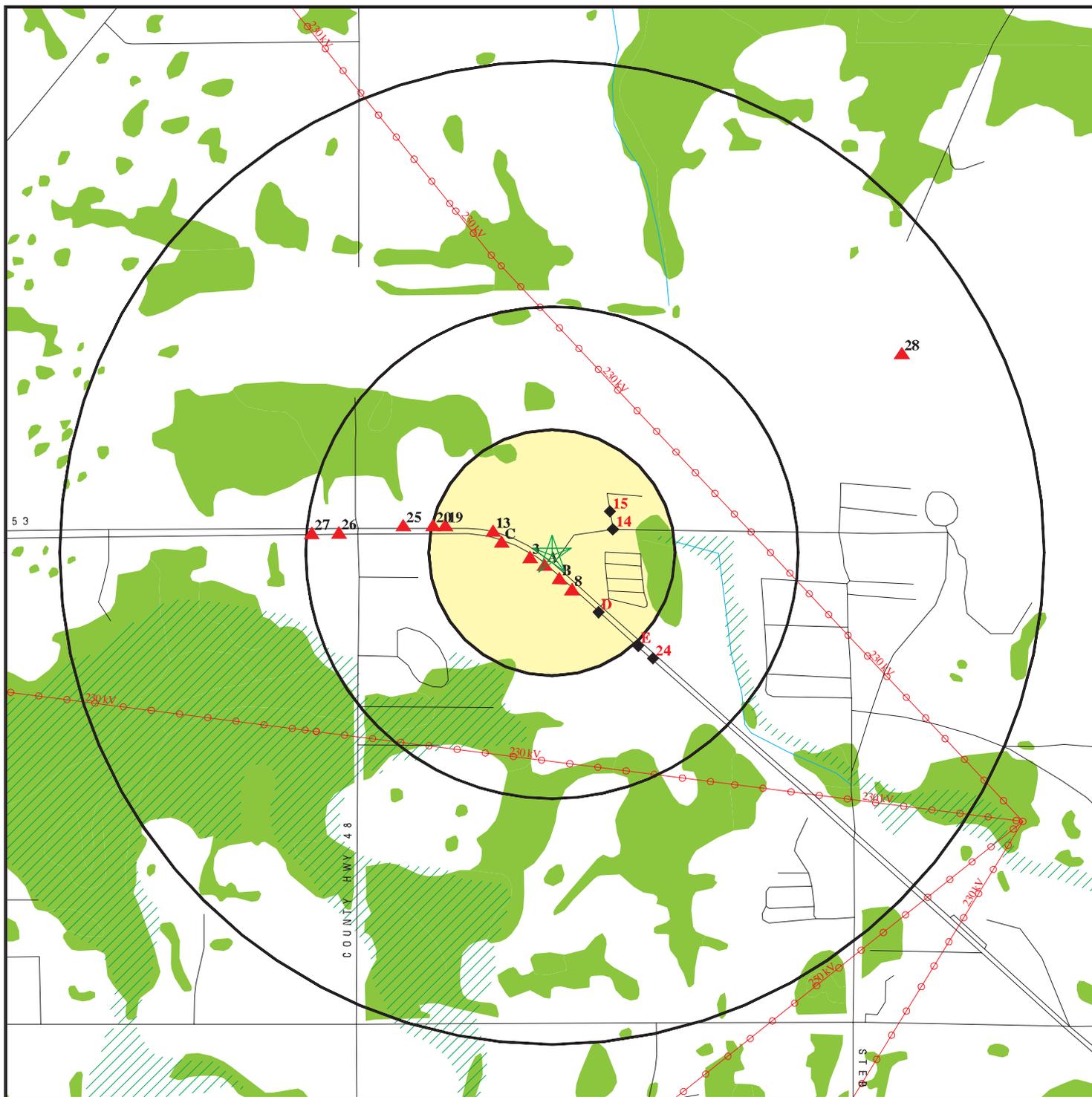
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CIRRUS DESIGN CORPORATION	4515 TAYLOR CIRCLE	1/8 - 1/4 NE	15	29
NRRI/UNIVERSITY OF MN-DULUTH	5013 MILLER TRUNK HWY	1/8 - 1/4 SE	D18	53

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
DULUTH GOVERNMENT SERVICES CENTER	LUST
FEDERAL PRISON	LUST
MN AIR NATIONAL GUARD BLDG. 103	LUST
SEVEN ELEVEN #17676	LUST, MN Spills
DULUTH INTERNATIONAL AIRPORT	LUST
NRRI/UNIVERSITY OF MN-DULUTH	LUST
KOLAR BUICK USED CAR LOT	LUST
ARROWHEAD REFINERY	LUST
FIRESTONE STORE	UST
MN OUTDOOR RECREATION	UST
HOLIDAY	UST
HERMANTOWN SERVICE CENTER	UST
FED EX EXPRESS	AST
DULUTH AIRPORT MAINTENANCE SHOP	AST
KUNDEL GOLDSCHMIDT HANGER	AST
KOLAR BUICK	AST
HERMANTOWN/ADOLPH BULK PLANT	AST
TARGET 0004	RCRA-SQG, FINDS
RESERVE BRANCH LINE	RCRA-SQG
UNITED PIPING INC	RCRA-SQG, FINDS
FAA DMS SMO DULUTH MN ASR	RCRA-SQG, FINDS
PENSKE AUTO CENTER	RCRA-SQG, FINDS
HERMANTOWN MOLDING & MILLWORK	RCRA-SQG, FINDS
LONGVIEW INSPECTION INC	RCRA-SQG, FINDS
RESERVE BRANCH LINE	FINDS
DULUTH INTERNATIONAL AIRPORT - SITE 102	MN LS
DULUTH INTERNATIONAL AIRPORT - SITE #102	MN VIC
DULUTH INTERNATIONAL AIRPORT - AOC C	MN VIC
HUMES COLLISION CENTER - ARROWHEAD RD	AIRS
MINNESOTA POWER - ENERGY CONTROL CENTER	TIER 2
RESERVE TAKE OFF	TIER 2

OVERVIEW MAP - 1760779.1s



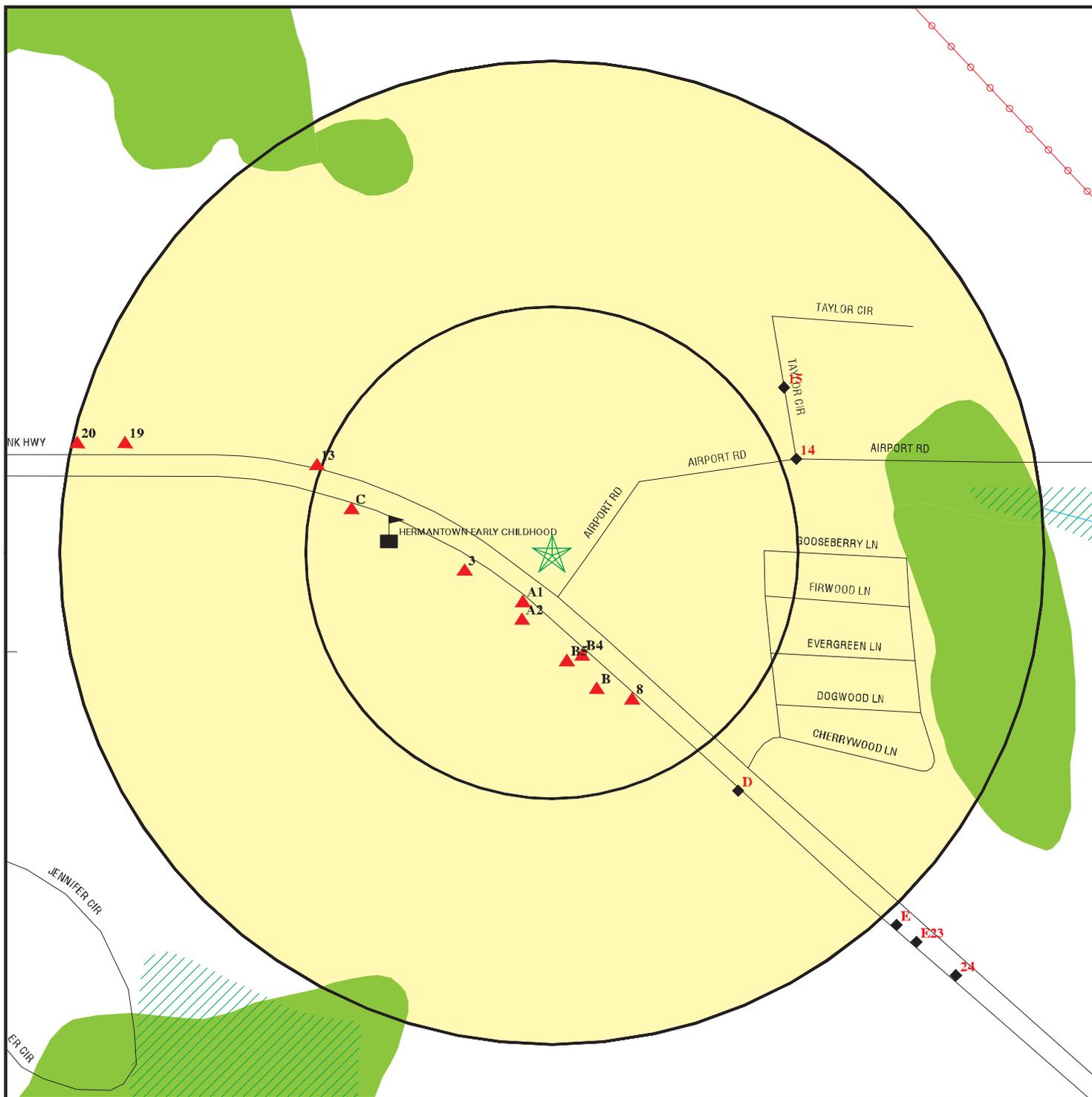
- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

- Indian Reservations BIA
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

SITE NAME: Navy Reserve Center Deluth
 ADDRESS: 5019 Airport Road
 Hermantown MN 55811
 LAT/LONG: 46.8360 / 92.2088

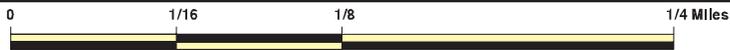
CLIENT: Tetra Tech NUS, Inc.
 CONTACT: Rima Miley
 INQUIRY #: 1760779.1s
 DATE: September 22, 2006 12:56 pm

DETAIL MAP - 1760779.1s



- ★ 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
- ☒ Landfill Sites
- ☒ Dept. Defense Sites

- ▭ Indian Reservations BIA
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- National Wetland Inventory



SITE NAME: Navy Reserve Center Deluth
 ADDRESS: 5019 Airport Road
 Hermantown MN 55811
 LAT/LONG: 46.8360 / 92.2088

CLIENT: Tetra Tech NUS, Inc.
 CONTACT: Rima Miley
 INQUIRY #: 1760779.1s
 DATE: September 22, 2006 12:56 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL RECORDS</u>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY	TP		NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	1	NR	NR	NR	1
RCRA Sm. Quan. Gen.		0.250	7	3	NR	NR	NR	10
ERNS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	1	NR	1
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
State Haz. Waste		1.000	0	0	0	0	NR	0
MN PLP		1.000	0	0	0	0	NR	0
MN DEL PLP		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
MN LCP		0.500	0	0	0	NR	NR	0
MN LS		0.500	0	0	0	NR	NR	0
LUST		0.500	3	2	7	NR	NR	12
UST		0.250	0	3	NR	NR	NR	3
LAST		0.500	1	0	0	NR	NR	1
AST		0.250	1	2	NR	NR	NR	3
LIENS	TP		NR	NR	NR	NR	NR	0
BULK		0.250	0	0	NR	NR	NR	0
MN Spills	TP		NR	NR	NR	NR	NR	0
MN AGSPILLS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INST CONTROL		0.500	0	0	0	NR	NR	0
MN VIC		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
MN Enforcement		TP	NR	NR	NR	NR	NR	0
MN HWS Permit		1.000	0	0	0	0	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
TIER 2		TP	NR	NR	NR	NR	NR	0
<u>TRIBAL RECORDS</u>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
<u>EDR PROPRIETARY RECORDS</u>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

A1
SSW
< 1/8
151 ft.

TURBO-DIESEL INJECTION SERVICE
5043 MILLER TRUNK HWY
DULUTH, MN 55812

RCRA-SQG **1004729798**
FINDS **MND981782592**

Site 1 of 2 in cluster A

Relative:
Higher

RCRAInfo:
 Owner: PEARSON JOHN
 (218) 729-5365
 EPA ID: MND981782592
 Contact: JOHN PEARSON
 (218) 729-5365

Actual:
1421 ft.

Classification: Conditionally Exempt Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
 Area of Violation: GENERATOR-RECORDKEEPING REQUIREMENTS
 Date Violation Determined: 04/28/2004
 Actual Date Achieved Compliance: 05/21/2004

Regulation Violated: Not reported
 Area of Violation: GENERATOR-OTHER REQUIREMENTS
 Date Violation Determined: 04/28/2004
 Actual Date Achieved Compliance: 05/21/2004

There are 2 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-RECORDKEEPING REQUIREMENTS	20040521
	GENERATOR-OTHER REQUIREMENTS	20040521

FINDS:

Other Pertinent Environmental Activity Identified at Site

MN-DELTA (Minnesota - Permitting, Compliance, And Enforcement Information Management System) facilitates the issuance of permits and manages compliance

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.

A2
SSW
< 1/8
194 ft.

KOLAR GARAGE
5020 MILLER TRUNK HIGHWAY
HERMANTOWN, MN 55811

LUST **S106550891**
N/A

Site 2 of 2 in cluster A

Relative:
Higher

LUST:
 MN PCA ID: 223527
 Leak Site: Leak Site - Tank and Petroleum Contamination
 File Archive Box: Not reported
 File Archive Lot: Not reported

Actual:
1421 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

KOLAR GARAGE (Continued)

S106550891

Soil Digout Date: Not reported
Cubic Yards Excavated: Not reported
Cond Closure Date: Not reported
Complete Site Closure Date: 10/14/1998 00:00:00
Contaminated Soils Remaining: Unknown
Enforcement Action Begin Date: 03/02/1998 00:00:00
Lust Trust Eligible: Yes
Offsite Contamination: Unknown
Reimbursement Awarded: No
Release Discovered Date: 02/20/1998 00:00:00
Leak Reported Date: 02/20/1998 00:00:00
Std Letter Response Date: 03/24/1998 00:00:00
Surface Water Impact: Unknown
Utility Project Flag: No
TMSP Added: 12/04/1999 14:03:51
TMSP Last Update: 03/31/2003 15:45:31
Staff Id Last Update: AMUSCH
Release From AST: No
Release From UST: No
Tank Registration Status Code: F
VPIC Application Date: Not reported
VPIC Acres: Not reported
Facility Addr 2: Not reported
Leak ID: 11105
Addr Id: 270519
Township Name: Not reported
Active Flag: Not reported
Country Code: USA
Foreign State: Not reported
Foreign Zone: Not reported
State County Code: 69
Interest Type: LS
Interest Phone: Not reported
Interest Start Date: 10/14/98
Interest End Date: Not reported
Vapor Intrusion Checked Flag: Not reported
Soil Gas Data Collected Flag: Not reported
Soil Gas Action Level Flag: Not reported
Sub Slab Sample Collected Flag: Not reported
Indoor Air Collected Flag: Not reported
Vapor Intrusion Action Flag: Not reported
Vapor Intrusion Comments: Not reported
Soil Gas Data Comments: Not reported
Comments: Not reported

LEAK CLEANUP ACTIONS:

MN PCA ID: Not reported
Leak Action Seq Id: Not reported
Leak Action Code: Not reported
Leak Action Approval Date: Not reported
Leak Action Begin Date: Not reported
Leak Action End Date: Not reported
Product Recovered Gallons: Not reported
Product Removed Gallons: Not reported
Treated Water Gallons: Not reported
TMSP Added: Not reported
TMSP Last Update: Not reported
Staff Id Last Update: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

KOLAR GARAGE (Continued)

S106550891

Corrective Reason Code: Not reported

LEAK GW INFO:

MN PCA ID: 223527

Dw Supply Contam: Not reported

Free Product Observed: Not reported

Free Product Thickness: Not reported

Ground Water Contam: No

Gw Cleanup Goal: 0

Gw Exceeds Cleanup Goal: Not reported

Cleanup Goal Achieved: Not reported

Water Supply Exceeds Ral: Not reported

Well Type Code: Not reported

Impacted Aquifer Code: Not reported

TMSP Added: 12/04/1999 14:07:35

TMSP Last Update: 11/04/2003 12:57:08

Staff Id Last Update: RSUCHAN

Mtbe Present Now: Not reported

Mtbe Present Historically: Not reported

Mtbe High Ug Per Liter Char: Not reported

Mtbe High Ug Per Liter Numb: Not reported

Mtbe High Level Date: Not reported

Free Product At Close: Not reported

Staff Id Ass: Not reported

PWS Well: Not reported

Prot Flag: Not reported

Sens Flag: Not reported

LEAK PRODUCT RELEASED:

MN PCA ID: 223527

Prod Released Sequence Id: 35822

Leak Product Code: Hydraulic Fluid

Tmsp Added: 03/31/2003 15:45:11

Tmsp Last_updt: 03/31/2003 15:45:11

Staff Id Last Updt: AMUSCH

3
West
< 1/8
239 ft.

AT & T WIRELESS
5051 MILLER TRUNK HWY
DULUTH, MN 55804

RCRA-SQG 1006808854
FINDS MNR000116095

Relative:
Higher

RCRAInfo:

Owner: AT & T CORP
 (760) 602-8677

EPA ID: MNR000116095

Contact: ROSA WHIPPLE
 (760) 602-8677

Actual:
1423 ft.

Classification: Conditionally Exempt Small Quantity Generator
 TSDF Activities: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

AT & T WIRELESS (Continued)

1006808854

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

MN-DELTA (Minnesota - Permitting, Compliance, And Enforcement Information Management System) facilitates the issuance of permits and manages compliance

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.

**B4
 SSE
 < 1/8
 284 ft.**

**PELLA WINDOWS AND DOORS
 5033 MILLER TRUNK HIGHWAY
 DULUTH, MN 55802**

**LUST S106550743
 N/A**

Site 1 of 4 in cluster B

**Relative:
 Equal**

LUST:

**Actual:
 1420 ft.**

MN PCA ID: 223140
 Leak Site: Leak Site - Tank and Petroleum Contamination
 File Archive Box: Not reported
 File Archive Lot: Not reported
 Soil Digout Date: Not reported
 Cubic Yards Excavated: Not reported
 Cond Closure Date: Not reported
Complete Site Closure Date: 02/07/2000 00:00:00
 Contaminated Soils Remaining: Unknown
 Enforcement Action Begin Date: 09/08/1997 00:00:00
 Lust Trust Eligible: No
 Offsite Contamination: Unknown
 Reimbursement Awarded: No
 Release Discovered Date: 09/03/1997 00:00:00
 Leak Reported Date: 09/03/1997 00:00:00
 Std Letter Response Date: 10/03/1997 00:00:00
 Surface Water Impact: Unknown
 Utility Project Flag: No
 TMSP Added: 12/04/1999 14:03:51
 TMSP Last Update: 02/17/2004 13:45:47
 Staff Id Last Update: SEWERT
 Release From AST: No
 Release From UST: No
 Tank Registration Status Code: U
 VPIC Application Date: Not reported
 VPIC Acres: Not reported
 Facility Addr 2: Not reported
 Leak ID: 10710
 Addr Id: 281603
 Township Name: Not reported
 Active Flag: Not reported
 Country Code: USA

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PELLA WINDOWS AND DOORS (Continued)

S106550743

Foreign State: Not reported
Foreign Zone: Not reported
State County Code: 69
Interest Type: LS
Interest Phone: Not reported
Interest Start Date: 09/27/99
Interest End Date: Not reported
Vapor Intrusion Checked Flag: Not reported
Soil Gas Data Collected Flag: Not reported
Soil Gas Action Level Flag: Not reported
Sub Slab Sample Collected Flag: Not reported
Indoor Air Collected Flag: Not reported
Vapor Intrusion Action Flag: Not reported
Vapor Intrusion Comments: Not reported
Soil Gas Data Comments: Not reported
Comments: Not reported

LEAK CLEANUP ACTIONS:

MN PCA ID: Not reported
Leak Action Seq Id: Not reported
Leak Action Code: Not reported
Leak Action Approval Date: Not reported
Leak Action Begin Date: Not reported
Leak Action End Date: Not reported
Product Recovered Gallons: Not reported
Product Removed Gallons: Not reported
Treated Water Gallons: Not reported
TMSP Added: Not reported
TMSP Last Update: Not reported
Staff Id Last Update: Not reported
Corrective Reason Code: Not reported

LEAK GW INFO:

MN PCA ID: 223140
Dw Supply Contam: Not reported
Free Product Observed: Not reported
Free Product Thickness: Not reported
Ground Water Contam: No
Gw Cleanup Goal: 0
Gw Exceeds Cleanup Goal: Not reported
Cleanup Goal Achieved: Not reported
Water Supply Exceeds Ral: Not reported
Well Type Code: Not reported
Impacted Aquifer Code: Not reported
TMSP Added: 12/04/1999 14:07:34
TMSP Last Update: 11/04/2003 12:57:08
Staff Id Last Update: RSUCHAN
Mtbe Present Now: Not reported
Mtbe Present Historically: Not reported
Mtbe High Ug Per Liter Char: Not reported
Mtbe High Ug Per Liter Numb: Not reported
Mtbe High Level Date: Not reported
Free Product At Close: Not reported
Staff Id Ass: Not reported
PWS Well: Not reported
Prot Flag: Not reported
Sens Flag: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

PELLA WINDOWS AND DOORS (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S106550743

LEAK PRODUCT RELEASED:
 MN PCA ID: 223140
 Prod Released Sequence Id: 37262
 Leak Product Code: Fuel Oil 1 and 2
 Tmsp Added: 04/17/2003 14:34:43
 Tmsp Last_updt: 04/17/2003 14:34:43
 Staff Id Last Updt: AMUSCH

B5
 South
 < 1/8
 291 ft.

AUTOMEDIC COLLISION RPE CTR
5014 MILLER TRUNK HWY
DULUTH, MN 55811

RCRA-SQG 1004732236
FINDS MND985713015

Site 2 of 4 in cluster B

Relative:
Higher

RCRAInfo:
 Owner: MERRY EDWARD A
 (218) 721-3053
 EPA ID: MND985713015
 Contact: EDWARD MERRY
 (218) 729-7822

Actual:
1421 ft.

Classification: Conditionally Exempt Small Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

MN-DELTA (Minnesota - Permitting, Compliance, And Enforcement Information Management System) facilitates the issuance of permits and manages compliance

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.

B6
SSE
 < 1/8
 382 ft.

BILLMAN HOME CTR CONSTRUCTION
5010 MILLER TRUNK HWY
DULUTH, MN 55811

RCRA-SQG 1004727643
FINDS MN0000948000

Site 3 of 4 in cluster B

Relative:
Higher

Actual:
1421 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

BILLMAN HOME CTR CONSTRUCTION (Continued)

1004727643

RCRAInfo:
 Owner: BILLMAN DONN MIKE PAT GREGG
 (218) 729-7570
 EPA ID: MN0000948000
 Contact: GREGG BILLMAN
 (218) 729-7570
 Classification: Conditionally Exempt Small Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

MN-DELTA (Minnesota - Permitting, Compliance, And Enforcement Information Management System) facilitates the issuance of permits and manages compliance

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

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.

B7 **BILLMAN CONSTRUCTION COMPANY**
SSE **5010 MILLER TRUNK HWY**
< 1/8 **HERMANTOWN, MN 55811**
382 ft.

LUST **1004272461**
N/A

Site 4 of 4 in cluster B

Relative:
Higher

LUST:
 MN PCA ID: 232998
 Leak Site: Leak Site - Tank and Petroleum Contamination
 File Archive Box: Not reported
 File Archive Lot: Not reported
 Soil Digout Date: Not reported
 Cubic Yards Excavated: Not reported
 Cond Closure Date: Not reported
Complete Site Closure Date: 10/07/2002 00:00:00
 Contaminated Soils Remaining: Unknown
 Enforcement Action Begin Date: 01/15/2002 00:00:00
 Lust Trust Eligible: Yes
 Offsite Contamination: Unknown
 Reimbursement Awarded: No
 Release Discovered Date: 09/02/1997 00:00:00
 Leak Reported Date: 01/09/2002 00:00:00

Actual:
1421 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BILLMAN CONSTRUCTION COMPANY (Continued)

1004272461

Std Letter Response Date: 01/24/2002 00:00:00
Surface Water Impact: Unknown
Utility Project Flag: No
TMSP Added: 01/10/2002 16:35:24
TMSP Last Update: 10/07/2002 15:15:01
Staff Id Last Update: JMCCANN
Release From AST: No
Release From UST: Yes
Tank Registration Status Code: F
VPIC Application Date: Not reported
VPIC Acres: Not reported
Facility Addr 2: Not reported
Leak ID: 14598
Addr Id: 296407
Township Name: Not reported
Active Flag: Not reported
Country Code: Not reported
Foreign State: Not reported
Foreign Zone: Not reported
State County Code: 69
Interest Type: LS
Interest Phone: Not reported
Interest Start Date: 01/10/02
Interest End Date: Not reported
Vapor Intrusion Checked Flag: Not reported
Soil Gas Data Collected Flag: Not reported
Soil Gas Action Level Flag: Not reported
Sub Slab Sample Collected Flag: Not reported
Indoor Air Collected Flag: Not reported
Vapor Intrusion Action Flag: Not reported
Vapor Intrusion Comments: Not reported
Soil Gas Data Comments: Not reported
Comments: Not reported

LEAK CLEANUP ACTIONS:
MN PCA ID: Not reported
Leak Action Seq Id: Not reported
Leak Action Code: Not reported
Leak Action Approval Date: Not reported
Leak Action Begin Date: Not reported
Leak Action End Date: Not reported
Product Recovered Gallons: Not reported
Product Removed Gallons: Not reported
Treated Water Gallons: Not reported
TMSP Added: Not reported
TMSP Last Update: Not reported
Staff Id Last Update: Not reported
Corrective Reason Code: Not reported

LEAK GW INFO:
MN PCA ID: 232998
Dw Supply Contam: No
Free Product Observed: No
Free Product Thickness: Not reported
Ground Water Contam: Yes
Gw Cleanup Goal: Not reported
Gw Exceeds Cleanup Goal: Not reported
Cleanup Goal Achieved: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

BILLMAN CONSTRUCTION COMPANY (Continued)

1004272461

Water Supply Exceeds Ral: Not reported
 Well Type Code: Not reported
 Impacted Aquifer Code: Not reported
 TMSP Added: 01/10/2002 16:35:24
 TMSP Last Update: 11/04/2003 12:57:09
 Staff Id Last Update: RSUCHAN
 Mtbe Present Now: No
 Mtbe Present Historically: No
 Mtbe High Ug Per Liter Char: Not reported
 Mtbe High Ug Per Liter Numb: Not reported
 Mtbe High Level Date: Not reported
 Free Product At Close: No
 Staff Id Ass: Not reported
 PWS Well: Not reported
 Prot Flag: Not reported
 Sens Flag: Not reported

LEAK PRODUCT RELEASED:

MN PCA ID: 232998
 Prod Released Sequence Id: 31569
 Leak Product Code: Diesel
 Tmsp Added: 10/31/2002 10:37:50
 Tmsp Last_updt: 10/31/2002 10:37:50
 Staff Id Last Updt: JMCCANN
 MN PCA ID: 232998
 Prod Released Sequence Id: 29771
 Leak Product Code: Gasoline, Type Unknown
 Tmsp Added: 07/03/2002 14:06:33
 Tmsp Last_updt: 07/03/2002 14:06:33
 Staff Id Last Updt: JMCCANN

**8
 SSE
 < 1/8
 446 ft.**

**NATIONAL WEATHER SERVICE
 5027 MILLER TRUNK HWY
 HERMANTOWN, MN 55811**

**RCRA-SQG 1004740257
 FINDS MNR000108498**

**Relative:
 Equal**

RCRAInfo:
 Owner: NATIONAL WEATHER SERVICE
 (218) 729-6697

**Actual:
 1420 ft.**

EPA ID: MNR000108498
 Contact: MIKE STEWART
 (218) 729-6572

Classification: Conditionally Exempt Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

MN-DELTA (Minnesota - Permitting, Compliance, And Enforcement Information Management System) facilitates the issuance of permits and manages compliance

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

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

NATIONAL WEATHER SERVICE (Continued)

1004740257

notification, permit, compliance, and corrective action activities required under RCRA.

**C9
 WNW
 < 1/8
 551 ft.**

**NORTH SIDE TRUCK SALES AND SERVICE
 5040 MILLER TRUNK HWY
 HERMANTOWN, MN 55811**

**AST A100277214
 N/A**

Site 1 of 4 in cluster C

**Relative:
 Higher**

AST:

**Actual:
 1431 ft.**

Program Interest Id: 211002
 Address Id: 33662
 MPCA Tank Number: 1001
 Above/Under Ground: Above Ground
 Serial Number: Not reported
 Date Added: 10/10/1999 10:57:35
 Date Last Updated: 05/04/2002 08:52:48
 Piping Cathodic Protection: Not reported
 Tank Cathodic Protection: Not reported
 Tank Stored Product: Used Or Waste Oil
 Client Tank Number: 1
 AST Base Material: On Supports
 Piping Material: Steel/Iron
 Piping Material Desc: STEEL/IRON
 Second Contain Tank: Not reported
 Second Contain Pipe: Not reported
 Tank Construction Material: Stainless Steel
 Tank Dispenser Code: Not reported
 Tank Status Code: Removed
 Tank Storage Capacity: 265
 Tank Registration Date: 06/08/1994 00:00:00
 Unregulated Tank Registration Date: Not reported
 Compartmental Tank Flag: Not reported
 Heating Product Flag: Not reported
 Haz Waste Generator Id: Not reported
 Product Replaced Date: Not reported
 Sludge Disposal Facility: Not reported
 Comments: Not reported
 Staff Id Who Did The Last Update: TANKS
 In Compliance: Not reported
 Preferred ID: 54794
 Facility Addr 2: Not reported

INSREM:

Program Interest Id: Not reported
 INSREM Product: Not reported
 INSREM Project #: Not reported
 INSREM Product: Not reported
 INSREM Product Description: Not reported
 INSREM Action ID: Not reported
 INSREM Action: Not reported
 Action Completed Date: Not reported
 Date Added: Not reported
 Date Last Updated: Not reported
 MPCA Tank Number: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

NORTH SIDE TRUCK SALES AND SERVICE (Continued)

A100277214

Tank Construction Material Code: Not reported
Piping Material: Not reported
Piping Material Desc: Not reported
Total Tank Capacity Quantity: Not reported
Staff Id Who Did The Last Update: Not reported

TABSITE:

Program Interest Id: 211002
Above Or Underground: Above Ground
Facility Code: 2
Indian Reservation: No
UST Registration Date: Not reported
AST Registration Date: 05/27/1994 00:00:00
Date Added: 06/08/1994 08:38:17
Date Last Updated: 05/23/2003 09:21:04
Staff Id Who Did The Last Update: SYS
Max Monthly Gallons: Not reported
Vapor Recovery Installed: Unknown
Vapor Notify Required: Unknown

TANK ACTION:

Program Interest Id: 211002
MPCA Tank Number: 1001
Above Or Underground: Above Ground
Tank Action ID: 82761
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Install Tank
Action Date: 01/01/1980 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:30:36
Date Last Updated: 05/04/2002 08:52:48
Staff Id Who Did The Last Update: TANKS

TANK COMPARTMENT:

Program Interest Id: 211002
MPCA Tank Number: 1001
Above Or Underground: Above Ground
Compartment Number: 1
Tank Stored Product Code: 24
Tank Stored Product Desc: WASTE OIL
Compartment Cap: 265
Heating: Not reported
Other Desc: Not reported
Date Added: 10/10/1999 10:58:59
Date Last Updated: 05/04/2002 08:52:48
Staff Id Who Did The Last Update: TANKS

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

C10
WNW
< 1/8
551 ft.

NORTHSIDE TRUCK SALES & SERVICE INC - DU
5040 MILLER TRUNK HWY
HERMANTOWN, MN 55811

RCRA-SQG **1000410166**
FINDS **MND982621872**

Site 2 of 4 in cluster C

Relative:
Higher

RCRAInfo:
 Owner: HEIMBACH STEVE
 (312) 555-1212
 EPA ID: MND982621872
 Contact: STEVE HEIMBACH
 (218) 789-7315
 Classification: Small Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

Actual:
1431 ft.

FINDS:

Other Pertinent Environmental Activity Identified at 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.

C11
WNW
< 1/8
551 ft.

JD'S SPORTS & REPAIR
5040 MILLER TRUNK HWY
HERMANTOWN, MN 55811

RCRA-SQG **1004738919**
FINDS **MNR000070961**

Site 3 of 4 in cluster C

Relative:
Higher

RCRAInfo:
 Owner: FULKERSON TROY
 (218) 729-8206
 EPA ID: MNR000070961
 Contact: Not reported
 Classification: Conditionally Exempt Small Quantity Generator
 TSDF Activities: Not reported
 Violation Status: Violations exist

Actual:
1431 ft.

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	03/03/2004
Actual Date Achieved Compliance:	07/01/2004
Enforcement Action:	VIOLATION NOTICE (VN)
Enforcement Action Date:	03/04/2004
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-OTHER REQUIREMENTS
Date Violation Determined:	03/03/2004
Actual Date Achieved Compliance:	07/01/2004
Enforcement Action:	VIOLATION NOTICE (VN)

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

JD'S SPORTS & REPAIR (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1004738919

Enforcement Action Date: 03/04/2004
 Penalty Type: Not reported
 Regulation Violated: Not reported
 Area of Violation: GENERATOR-OTHER REQUIREMENTS
 Date Violation Determined: 03/03/2004
 Actual Date Achieved Compliance: 07/01/2004
 Enforcement Action: VIOLATION NOTICE (VN)
 Enforcement Action Date: 03/04/2004
 Penalty Type: Not reported

There are 3 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	20040701
	GENERATOR-OTHER REQUIREMENTS	20040701
	GENERATOR-OTHER REQUIREMENTS	20040701

FINDS:

Other Pertinent Environmental Activity Identified at Site

MN-DELTA (Minnesota - Permitting, Compliance, And Enforcement Information Management System) facilitates the issuance of permits and manages compliance

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.

C12
WNW
 < 1/8
 551 ft.

BIG RIG REPAIRS
5040 MILLER TRUNK HWY
HERMANTOWN, MN 55811

MN Enforcement
LAST

S101148106
N/A

Site 4 of 4 in cluster C

Relative:
Higher

Actual:
 1431 ft.

MN Enforcement Log :
 Facility ID: MNR000070961
 Effective End Date: 03/04/04
 Enforcement Type: 121:Letter of Warning (LOW)
 Copliance Status: 07/01/04
 Lead Agency: State
 Final Penalty: Not reported
 Sequence: Not reported
 Payment Date: Not reported
 Amount: Not reported

LAST:

MN PCA ID: 219996
 Leak Site: Leak Site - Tank and Petroleum Contamination
 File Archive Box: 96
 File Archive Lot: 98/206
 Soil Digout Date: 05/12/1994 00:00:00

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BIG RIG REPAIRS (Continued)

S101148106

Cubic Yards Excavated: 50
Cond Closure Date: Not reported
Complete Site Closure Date: 01/12/1996 00:00:00
Contaminated Soils Remaining: Yes
Enforcement Action Begin Dt: 06/02/1994 00:00:00
Last Trust Eligible: No
Offsite Contamination: Unknown
Reimbursement Awarded: No
Release Discovered Date: 05/12/1994 00:00:00
Leak Reported Date: 05/12/1994 00:00:00
Std Letter Response Date: 08/31/1995 00:00:00
Surface Water Impact: Unknown
Utility Project Flag: No
TMSP Added: 12/04/1999 14:03:48
TMSP Last Update: 05/04/2002 09:25:01
Staff Id Last Update: TANKS
Release From UST: Yes
Release From LUST: No
Tank Registration Status Code: S
VPIC Application Date: Not reported
VPIC Acres: Not reported
Facility Addr 2: Not reported
Leak Id: 7380
Addr Id: 33662
Township Name: Not reported
Active Flag: No
Country Code: USA
Foreign State: Not reported
Foreign Zone: Not reported
State County Code: 69
Interest Type: LS
Interest Phone: NO CORE PI PH.
Interest Start Date: 03/03/98
Interest End Date: Not reported
Vapor Intrusion Checked Flag: Not reported
Soil Gas Data Collected Flag: Not reported
Soil Gas Action Level Flag: Not reported
Sub Slab Sample Collected Flag: Not reported
Indoor Air Collected Flag: Not reported
Vapor Intrusion Action Flag: Not reported
Vapor Intrusion Comments: Not reported
Soil Gas Data Comments: Not reported
Comments: Not reported

LEAK CLEANUP ACTIONS:

MN PCA ID: Not reported
Leak Action Seq Id: Not reported
Leak Action Code: Not reported
Leak Action Approval Date: Not reported
Leak Action Begin Date: Not reported
Leak Action End Date: Not reported
Product Recovered Gallons: Not reported
Product Removed Gallons: Not reported
Treated Water Gallons: Not reported
TMSP Added: Not reported
TMSP Last Update: Not reported
Staff Id Last Update: Not reported
Corrective Reason Code: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

BIG RIG REPAIRS (Continued)

S101148106

LEAK GW INFO:

MN PCA ID: 219996
 Dw Supply Contam: Not reported
 Free Product Observed: Not reported
 Free Product Thickness: Not reported
 Ground Water Contam: No
 Gw Cleanup Goal: 0
 Gw Exceeds Cleanup Goal: Not reported
 Cleanup Goal Achieved: Not reported
 Water Supply Exceeds Ral: Not reported
 Well Type Code: Not reported
 Impacted Aquifer Code: Not reported
 TMSP Added: 12/04/1999 14:07:32
 TMSP Last Update: 11/04/2003 12:57:07
 Staff Id Last Update: RSUCHAN
 Mtbe Present Now: Not reported
 Mtbe Present Historically: Not reported
 Mtbe High Ug Per Liter Char: Not reported
 Mtbe High Ug Per Liter Numb: Not reported
 Mtbe High Level Date: Not reported
 Free Product At Close: Not reported
 Staff Id Ass: Not reported
 PWS Well: Not reported
 Prot Flag: Not reported
 Sens Flag: Not reported

LEAK PRODUCT RELEASED:

MN PCA ID: 219996
 Prod Released Sequence Id: 322136
 Leak Product Code: Used Oil
 Tmsp Added: 12/04/1999 14:04:33
 Tmsp Last_updt: 05/04/2002 09:25:01
 Staff Id Last Updt: TANKS

13
 WNW
 1/8-1/4
 674 ft.

MINER'S INCORPORATED
5065 MILLER TRUNK HWY
HERMANTOWN, MN 55811

LUST U002291930
UST N/A

Relative:
Higher

LUST:

Actual:
1432 ft.

MN PCA ID: 221578
 Leak Site: Leak Site - Tank and Petroleum Contamination
 File Archive Box: 05
 File Archive Lot: 01/124
 Soil Digout Date: 12/06/1995 00:00:00
 Cubic Yards Excavated: 45
 Cond Closure Date: Not reported
Complete Site Closure Date: 04/08/1997 00:00:00
 Contaminated Soils Remaining: Yes
 Enforcement Action Begin Date: Not reported
 Lust Trust Eligible: No
 Offsite Contamination: Unknown
 Reimbursement Awarded: No
 Release Discovered Date: 12/07/1995 00:00:00
 Leak Reported Date: 12/07/1995 00:00:00
 Std Letter Response Date: Not reported
 Surface Water Impact: Unknown
 Utility Project Flag: No

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MINER'S INCORPORATED (Continued)

U002291930

TMSP Added: 12/04/1999 14:03:50
TMSP Last Update: 05/04/2002 09:30:46
Staff Id Last Update: TANKS
Release From AST: No
Release From UST: No
Tank Registration Status Code: U
VPIC Application Date: Not reported
VPIC Acres: Not reported
Facility Addr 2: Not reported
Leak ID: 9029
Addr Id: 184523
Township Name: Not reported
Active Flag: Not reported
Country Code: USA
Foreign State: Not reported
Foreign Zone: Not reported
State County Code: 69
Interest Type: LS
Interest Phone: 2187295882
Interest Start Date: 07/15/97
Interest End Date: Not reported
Vapor Intrusion Checked Flag: Not reported
Soil Gas Data Collected Flag: Not reported
Soil Gas Action Level Flag: Not reported
Sub Slab Sample Collected Flag: Not reported
Indoor Air Collected Flag: Not reported
Vapor Intrusion Action Flag: Not reported
Vapor Intrusion Comments: Not reported
Soil Gas Data Comments: Not reported
Comments: Not reported

LEAK CLEANUP ACTIONS:

MN PCA ID: Not reported
Leak Action Seq Id: Not reported
Leak Action Code: Not reported
Leak Action Approval Date: Not reported
Leak Action Begin Date: Not reported
Leak Action End Date: Not reported
Product Recovered Gallons: Not reported
Product Removed Gallons: Not reported
Treated Water Gallons: Not reported
TMSP Added: Not reported
TMSP Last Update: Not reported
Staff Id Last Update: Not reported
Corrective Reason Code: Not reported

LEAK GW INFO:

MN PCA ID: 221578
Dw Supply Contam: Not reported
Free Product Observed: Not reported
Free Product Thickness: Not reported
Ground Water Contam: Not reported
Gw Cleanup Goal: 0
Gw Exceeds Cleanup Goal: Not reported
Cleanup Goal Achieved: Not reported
Water Supply Exceeds Ral: Not reported
Well Type Code: Not reported
Impacted Aquifer Code: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MINER'S INCORPORATED (Continued)

U002291930

Tmsp Added: 12/04/1999 14:07:33
Tmsp Last Update: 11/04/2003 12:57:08
Staff Id Last Update: RSUCHAN
Mtbe Present Now: Not reported
Mtbe Present Historically: Not reported
Mtbe High Ug Per Liter Char: Not reported
Mtbe High Ug Per Liter Numb: Not reported
Mtbe High Level Date: Not reported
Free Product At Close: Not reported
Staff Id Ass: Not reported
PWS Well: Not reported
Prot Flag: Not reported
Sens Flag: Not reported

LEAK PRODUCT RELEASED:

MN PCA ID: 221578
Prod Released Sequence Id: 323155
Leak Product Code: Diesel
Tmsp Added: 12/04/1999 14:04:34
Tmsp Last_updt: 05/04/2002 09:30:46
Staff Id Last Updt: TANKS
MN PCA ID: 221578
Prod Released Sequence Id: 325063
Leak Product Code: Fuel Oil 1 and 2
Tmsp Added: 12/04/1999 14:04:37
Tmsp Last_updt: 05/04/2002 09:30:46
Staff Id Last Updt: TANKS

UST:

Program Interest Id: 206555
MPCA Tank Number: 001
Above/ Under Ground: Under Ground
Piping Cathodic Protection: None
Tank Cathodic Protection: None
Tank Stored Product: Gasoline
Client Tank Number: 001
AST Base Material: Not reported
Piping Material: Steel/Iron
Piping Material Description: Not reported
Second Contain Tank: Not reported
Second Contain Pipe: Not reported
Tank Construction Material: Bare/Paint/Asph Coat Steel
Tank Dispenser Code: 1
Tank Status Code: Removed
Tank Storage Capacity: 10000
Tank Registration Date: 11/28/1995 00:00:00
Unregulated Tank Registration Date: Not reported
Compartmental Tank Flag: Not reported
Heating Product Flag: No
Haz Waste Generator Id: Not reported
Product Replaced Date: Not reported
Sludge Disposal Facility: Not reported
Comments: Not reported
Date Added: 10/10/1999 10:56:52
Date Last Updated: 05/04/2002 08:38:01
Staff Id Who Did The Last Update: TANKS
In Compliance: No

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MINER'S INCORPORATED (Continued)

U002291930

Serial Number: Not reported
Address Id: 184523
Fac Address 2: Not reported
Preferred ID: 19488

INSREM:

Program Interest Id: 206555
INSREM Product: 211771
INSREM Project #: 1
INSREM Product: Fuel Oil
INSREM Product Description: FUEL OIL
INSREM Action ID: 385719
INSREM Action: Remove Tank And Pipe
Action Completed Date: Not reported
Date Added: 10/10/1999 11:02:59
Date Last Updated: 05/04/2002 08:38:01
MPCA Tank Number: 003
Tank Construction Material Code: 1
Piping Material: 1
Piping Material Desc: STEEL/IRON
Total Tank Capacity Quantity: 1000
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 206555
INSREM Product: 211771
INSREM Project #: 1
INSREM Product: Gasoline
INSREM Product Description: GASOLINE
INSREM Action ID: 385720
INSREM Action: Remove Tank And Pipe
Action Completed Date: Not reported
Date Added: 10/10/1999 11:02:59
Date Last Updated: 05/04/2002 08:38:01
MPCA Tank Number: 001
Tank Construction Material Code: 1
Piping Material: 1
Piping Material Desc: STEEL/IRON
Total Tank Capacity Quantity: 10000
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 206555
INSREM Product: 211771
INSREM Project #: 1
INSREM Product: Diesel
INSREM Product Description: DIESEL
INSREM Action ID: 385721
INSREM Action: Remove Tank And Pipe
Action Completed Date: Not reported
Date Added: 10/10/1999 11:02:59
Date Last Updated: 05/04/2002 08:38:01
MPCA Tank Number: 002
Tank Construction Material Code: 1
Piping Material: 1
Piping Material Desc: STEEL/IRON
Total Tank Capacity Quantity: 10000
Staff Id Who Did The Last Update: TANKS

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MINER'S INCORPORATED (Continued)

U002291930

TABSITE:

Program Interest Id: 206555
Above Or Underground: Under Ground
Facility Code: 40
Indian Reservation: No
UST Registration Date: 11/28/1995 00:00:00
AST Registration Date: Not reported
Date Added: 12/07/1995 08:03:33
Date Last Updated: 05/23/2003 09:21:03
Staff Id Who Did The Last Update: SYS
Max Monthly Gallons: Not reported
Vapor Recovery Installed: Unknown
Vapor Notify Required: Unknown

TANK ACTION:

Program Interest Id: 206555
MPCA Tank Number: 001
Above Or Underground: Under Ground
Tank Action ID: 83522
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Install Tank
Action Date: 01/01/1900 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:30:20
Date Last Updated: 05/04/2002 08:38:01
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 206555
MPCA Tank Number: 002
Above Or Underground: Under Ground
Tank Action ID: 83522
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Install Tank
Action Date: 01/01/1900 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:30:20
Date Last Updated: 05/04/2002 08:38:01
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 206555
MPCA Tank Number: 003
Above Or Underground: Under Ground
Tank Action ID: 83522
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Install Tank
Action Date: 01/01/1900 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MINER'S INCORPORATED (Continued)

U002291930

Date Added: 05/05/2000 08:30:20
Date Last Updated: 05/04/2002 08:38:01
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 206555
MPCA Tank Number: 001
Above Or Underground: Under Ground
Tank Action ID: 84683
Contractor Number: 227
Supervisor Number: 3404
Tank Action: Remove Tank
Action Date: 12/07/1995 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:12
Date Last Updated: 05/04/2002 08:38:01
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 206555
MPCA Tank Number: 002
Above Or Underground: Under Ground
Tank Action ID: 84683
Contractor Number: 227
Supervisor Number: 3404
Tank Action: Remove Tank
Action Date: 12/07/1995 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:12
Date Last Updated: 05/04/2002 08:38:01
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 206555
MPCA Tank Number: 003
Above Or Underground: Under Ground
Tank Action ID: 84683
Contractor Number: 227
Supervisor Number: 3404
Tank Action: Remove Tank
Action Date: 12/07/1995 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:12
Date Last Updated: 05/04/2002 08:38:01
Staff Id Who Did The Last Update: TANKS

TANK COMPARTMENT:

Program Interest Id: 206555
MPCA Tank Number: 001
Above Or Underground: Under Ground
Compartment Number: 1
Tank Stored Product Code: 14
Tank Stored Product Desc: GASOLINE
Compartment Cap: 10000

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MINER'S INCORPORATED (Continued)

U002291930

Heating: No
Other Desc: Not reported
Date Added: 10/10/1999 10:58:19
Date Last Updated: 05/04/2002 08:38:01
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 206555
MPCA Tank Number: 003
Above Or Underground: Under Ground
Compartment Number: 1
Tank Stored Product Code: 13
Tank Stored Product Desc: FUEL OIL
Compartment Cap: 1000
Heating: Yes
Other Desc: Not reported
Date Added: 10/10/1999 10:58:46
Date Last Updated: 05/04/2002 08:38:01
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 206555
MPCA Tank Number: 002
Above Or Underground: Under Ground
Compartment Number: 1
Tank Stored Product Code: 10
Tank Stored Product Desc: DIESEL
Compartment Cap: 10000
Heating: No
Other Desc: Not reported
Date Added: 10/10/1999 10:58:46
Date Last Updated: 05/04/2002 08:38:01
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 206555
MPCA Tank Number: 003
Above/ Under Ground: Under Ground
Piping Cathodic Protection: None
Tank Cathodic Protection: None
Tank Stored Product: Fuel Oil
Client Tank Number: 003
AST Base Material: Not reported
Piping Material: Steel/Iron
Piping Material Description: Not reported
Second Contain Tank: Not reported
Second Contain Pipe: Not reported
Tank Construction Material: Bare/Paint/Asph Coat Steel
Tank Dispenser Code: 2
Tank Status Code: Removed
Tank Storage Capacity: 1000
Tank Registration Date: 11/28/1995 00:00:00
Unregulated Tank Registration Date: Not reported
Compartmental Tank Flag: Not reported
Heating Product Flag: Yes
Haz Waste Generator Id: Not reported
Product Replaced Date: Not reported
Sludge Disposal Facility: Not reported
Comments: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

MINER'S INCORPORATED (Continued)

U002291930

Date Added: 10/10/1999 10:57:22
 Date Last Updated: 05/04/2002 08:38:01
 Staff Id Who Did The Last Update: TANKS
 In Compliance: Yes
 Serial Number: Not reported
 Address Id: 184523
 Fac Address 2: Not reported
 Preferred ID: 19488

Program Interest Id: 206555
 MPCA Tank Number: 002
 Above/ Under Ground: Under Ground
 Piping Cathodic Protection: None
 Tank Cathodic Protection: None
 Tank Stored Product: Diesel
 Client Tank Number: 002
 AST Base Material: Not reported
 Piping Material: Steel/Iron
 Piping Material Description: Not reported
 Second Contain Tank: Not reported
 Second Contain Pipe: Not reported
 Tank Construction Material: Bare/Paint/Asph Coat Steel
 Tank Dispenser Code: 1
Tank Status Code: Removed
 Tank Storage Capacity: 10000
 Tank Registration Date: 11/28/1995 00:00:00
 Unregulated Tank Registration Date: Not reported
 Compartmental Tank Flag: Not reported
 Heating Product Flag: No
 Haz Waste Generator Id: Not reported
 Product Replaced Date: Not reported
 Sludge Disposal Facility: Not reported
 Comments: Not reported
 Date Added: 10/10/1999 10:57:22
 Date Last Updated: 05/04/2002 08:38:01
 Staff Id Who Did The Last Update: TANKS
 In Compliance: No
 Serial Number: Not reported
 Address Id: 184523
 Fac Address 2: Not reported
 Preferred ID: 19488

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

14
 ENE
 1/8-1/4
 701 ft.

DEFENSE REVITALIZATION AND MARKETING
4997 AIRPORT RD
DULUTH, MN 55811

LUST S106550598
N/A

Relative:
Lower

LUST:
 MN PCA ID: 222753
 Leak Site: Leak Site - Tank and Petroleum Contamination
 File Archive Box: 09
 File Archive Lot: 01/124
 Soil Digout Date: 06/20/1997 00:00:00
 Cubic Yards Excavated: 100
 Cond Closure Date: Not reported

Actual:
1411 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

DEFENSE REVITILIZATION AND MARKETING (Continued)

S106550598

Complete Site Closure Date: 01/14/1998 00:00:00
Contaminated Soils Remaining: Unknown
Enforcement Action Begin Date: 06/25/1997 00:00:00
Lust Trust Eligible: No
Offsite Contamination: Unknown
Reimbursement Awarded: No
Release Discovered Date: 06/17/1997 00:00:00
Leak Reported Date: 06/18/1997 00:00:00
Std Letter Response Date: 06/25/1997 00:00:00
Surface Water Impact: Unknown
Utility Project Flag: No
TMSP Added: 12/04/1999 14:03:51
TMSP Last Update: 03/31/2003 15:36:23
Staff Id Last Update: AMUSCH
Release From AST: No
Release From UST: No
Tank Registration Status Code: U
VPIC Application Date: Not reported
VPIC Acres: Not reported
Facility Addr 2: Not reported
Leak ID: 10249
Addr Id: 269757
Township Name: Not reported
Active Flag: Not reported
Country Code: USA
Foreign State: Not reported
Foreign Zone: Not reported
State County Code: 69
Interest Type: LS
Interest Phone: Not reported
Interest Start Date: 03/24/99
Interest End Date: Not reported
Vapor Intrusion Checked Flag: Not reported
Soil Gas Data Collected Flag: Not reported
Soil Gas Action Level Flag: Not reported
Sub Slab Sample Collected Flag: Not reported
Indoor Air Collected Flag: Not reported
Vapor Intrusion Action Flag: Not reported
Vapor Intrusion Comments: Not reported
Soil Gas Data Comments: Not reported
Comments: Not reported

LEAK CLEANUP ACTIONS:

MN PCA ID: Not reported
Leak Action Seq Id: Not reported
Leak Action Code: Not reported
Leak Action Approval Date: Not reported
Leak Action Begin Date: Not reported
Leak Action End Date: Not reported
Product Recovered Gallons: Not reported
Product Removed Gallons: Not reported
Treated Water Gallons: Not reported
TMSP Added: Not reported
TMSP Last Update: Not reported
Staff Id Last Update: Not reported
Corrective Reason Code: Not reported

LEAK GW INFO:

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

DEFENSE REVITILIZATION AND MARKETING (Continued)

S106550598

MN PCA ID: 222753
 Dw Supply Contam: Not reported
 Free Product Observed: Not reported
 Free Product Thickness: Not reported
 Ground Water Contam: No
 Gw Cleanup Goal: 0
 Gw Exceeds Cleanup Goal: Not reported
 Cleanup Goal Achieved: Not reported
 Water Supply Exceeds Ral: Not reported
 Well Type Code: Not reported
 Impacted Aquifer Code: Not reported
 TMSP Added: 12/04/1999 14:07:34
 TMSP Last Update: 11/04/2003 12:57:08
 Staff Id Last Update: RSUCHAN
 Mtbe Present Now: Not reported
 Mtbe Present Historically: Not reported
 Mtbe High Ug Per Liter Char: Not reported
 Mtbe High Ug Per Liter Numb: Not reported
 Mtbe High Level Date: Not reported
 Free Product At Close: Not reported
 Staff Id Ass: Not reported
 PWS Well: Not reported
 Prot Flag: Not reported
 Sens Flag: Not reported

LEAK PRODUCT RELEASED:

MN PCA ID: 222753
 Prod Released Sequence Id: 35799
 Leak Product Code: Fuel Oil 1 and 2
 Tmsp Added: 03/31/2003 15:36:27
 Tmsp Last_updt: 03/31/2003 15:36:27
 Staff Id Last Updt: AMUSCH

**15
 NE
 1/8-1/4
 764 ft.**

**CIRRUS DESIGN CORPORATION
 4515 TAYLOR CIRCLE
 DULUTH, MN 55811**

**FINDS 100088768
 MN Spills MN0000275115
 RCRA-LQG
 MN Enforcement
 AST
 WI MANIFEST**

**Relative:
 Lower**

FINDS:
 Other Pertinent Environmental Activity Identified at Site

**Actual:
 1413 ft.**

MN-DELTA (Minnesota - Permitting, Compliance, And Enforcement Information Management System) facilitates the issuance of permits and manages compliance

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.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CIRRUS DESIGN CORPORATION (Continued)

1000888768

MN SPILL:
Program Id: 186965
Township Name: Not reported
Interest Type: SP
Addr Id: 232924
Interest Phone: Not reported
Preferred Id: 29921
Interest Start Date: 03/03/99
Interest End Date: Not reported
Active: Not reported
Tmsp Added: 03/03/99
Tmsp Last Updt: 11/04/03
Staff Id Last Updt: TANKS
fadd2: Not reported
State County Code: 69
Country Code: USA
Foreign State: Not reported
Foreign Zone: None
Spill Closure Code: Nonsignificant, No Followup
Sp Rep Code: Refer To Air Quality
Report Taken By Initials: 3297
MPCA Project Manager Initials: 3094
Spill Site Closure Date: 03/01/1999 00:00:00
Sp Rep Desc: DOREEN HALTON, CIRRUS DESIGN
Spill Date: 03/01/1999 00:00:00
Spill Reported Date: 03/01/1999 00:00:00
Init Cause Code: Human Error
Init Cause Desc: HUMAN ERROR
Initial Source Code: 3
Priority Code: 3
Archive Lot: Not reported
Archive Box: Not reported
Rep Phone: Not reported
Rep Name: Not reported
MPCA Involvement: Not reported
Rpt Taken By Duty Officer: Not reported
Spill Cause: Not reported
Product: Not reported
Spill: Not reported
Report: Not reported
Region: Not reported
Project Mngr: Not reported
Quantity: Not reported
Product: Not reported
Respnbl Party: Not reported
Box: Not reported
Public Affected: Not reported
Closure Date: Not reported
Cause Code: Not reported
Date Reported: Not reported
Location: Not reported
Product: Not reported
Amount Spilled: Not reported
Units: Not reported
Priority: Not reported
Spill Date: Not reported
Spill Date: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CIRRUS DESIGN CORPORATION (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000888768

Action Taken: Not reported
Reported By: Not reported
Incident: Not reported
Respnbl Party: Not reported
Spill Cause: Not reported
Action Taken: Not reported
Comments: TWO CHEMICALS MIXED IMPROPERLY. DULUTH CAT RESPONDING. EPI CURE &\n HELOXY MODIFIER

MN SPILL ACTION:

Spill Action Code: 3
Spill Action Person: Not reported
Spill Action Date: Not reported
Tmsp Added: 03/03/1999 10:33:01
Tmsp Last Updt: 05/04/2002 07:31:45
Staff Id Last Updt: TANKS

MN SPILL AFFECTED DESCRIPTION:

Spill Inc. Affect Code: Air
Tmsp Added: 03/03/1999 10:33:01
Tmsp Last Updt: 05/04/2002 07:31:45
Staff Id Last Updt: TANKS

MN SPILL EMERGENCY:

Emergency Id: Not reported
Emergency Code: Not reported
Spill Action Code: Not reported
Tmsp Added: Not reported
Tmsp Last Updt: Not reported
Staff Id Last Updt: Not reported

MN SPILL PREVENTION:

Spill Prevention Code: Not reported
Spill Prevention Date: Not reported
Comments: Not reported
Tmsp Added: Not reported
Tmsp Last Updt: Not reported
Staff Id Last Updt: Not reported

MN SPILL PRODUCT:

Program ID: 186965
Spill Incident Accuracy Id: 80731
Spill Product Code: Other (Described In Remarks)
Spill Qty Units Code: Unknown
Spill Incident Accuracy Code: Unknown
Spill Released Qty: 0
Tmsp Added: 03/03/1999 10:33:01
Tmsp Last Updt: 05/04/2002 07:31:45
Staff Id Last Updt: TANKS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

CIRRUS DESIGN CORPORATION (Continued)

EDR ID Number
 EPA ID Number

Database(s)

Site

1000888768

RCRAInfo:

Owner: K LAPMEIER ALAN
 (218) 727-2737
 EPA ID: MN0000275115
 Contact: JOHN HITCHCOCK
 (218) 727-2737
 Classification: Large Quantity Generator
 TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2003

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	52505.29	D002	7920.27
D005	27704.44	D006	660.02
D007	35624.71	D008	27704.44
D035	27704.44	F003	35624.71
F005	27704.44		

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined:	04/19/2006
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined:	04/19/2006
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined:	04/19/2006
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	04/19/2006
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined:	04/19/2006
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-RECORDKEEPING REQUIREMENTS
Date Violation Determined:	04/19/2006
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	04/19/2006
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	04/19/2006
Actual Date Achieved Compliance:	Not reported
Regulation Violated:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

CIRRUS DESIGN CORPORATION (Continued)

1000888768

Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 04/19/2006
Actual Date Achieved Compliance: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-OTHER REQUIREMENTS
Date Violation Determined: 04/19/2006
Actual Date Achieved Compliance: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 04/19/2006
Actual Date Achieved Compliance: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 04/19/2006
Actual Date Achieved Compliance: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 04/19/2006
Actual Date Achieved Compliance: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 04/19/2006
Actual Date Achieved Compliance: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 03/09/2004
Actual Date Achieved Compliance: 04/19/2004

Enforcement Action: VIOLATION NOTICE (VN)
Enforcement Action Date: 03/09/2004
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 03/09/2004
Actual Date Achieved Compliance: 04/19/2004

Enforcement Action: VIOLATION NOTICE (VN)
Enforcement Action Date: 03/09/2004
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 03/09/2004
Actual Date Achieved Compliance: 04/19/2004

Enforcement Action: VIOLATION NOTICE (VN)
Enforcement Action Date: 03/09/2004
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined: 03/09/2004
Actual Date Achieved Compliance: 04/19/2004

Enforcement Action: VIOLATION NOTICE (VN)
Enforcement Action Date: 03/09/2004
Penalty Type: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

CIRRUS DESIGN CORPORATION (Continued)

1000888768

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-OTHER REQUIREMENTS
Date Violation Determined:	03/09/2004
Actual Date Achieved Compliance:	04/19/2004
Enforcement Action:	VIOLATION NOTICE (VN)
Enforcement Action Date:	03/09/2004
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	03/09/2004
Actual Date Achieved Compliance:	04/19/2004
Enforcement Action:	VIOLATION NOTICE (VN)
Enforcement Action Date:	03/09/2004
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-OTHER REQUIREMENTS
Date Violation Determined:	10/30/2001
Actual Date Achieved Compliance:	01/07/2002
Enforcement Action:	FORGIVEABLE ADMN PENALTY ORDER(APO)
Enforcement Action Date:	11/19/2001
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined:	10/30/2001
Actual Date Achieved Compliance:	01/07/2002
Enforcement Action:	FORGIVEABLE ADMN PENALTY ORDER(APO)
Enforcement Action Date:	11/19/2001
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-OTHER REQUIREMENTS
Date Violation Determined:	10/30/2001
Actual Date Achieved Compliance:	01/07/2002
Enforcement Action:	FORGIVEABLE ADMN PENALTY ORDER(APO)
Enforcement Action Date:	11/19/2001
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	06/11/1998
Actual Date Achieved Compliance:	07/23/1998
Enforcement Action:	VIOLATION NOTICE (VN)
Enforcement Action Date:	08/20/1998
Penalty Type:	Not reported

There are 24 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	
	GENERATOR-OTHER REQUIREMENTS	
	GENERATOR-MANIFEST REQUIREMENTS	
	GENERATOR-MANIFEST REQUIREMENTS	
	GENERATOR-MANIFEST REQUIREMENTS	

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

CIRRUS DESIGN CORPORATION (Continued)

EDR ID Number
 EPA ID Number

Database(s)

Site	Database(s)	EDR ID Number EPA ID Number
CIRRUS DESIGN CORPORATION (Continued)		
	GENERATOR-GENERAL REQUIREMENTS	
	GENERATOR-RECORDKEEPING REQUIREMENTS	
	GENERATOR-RECORDKEEPING REQUIREMENTS	
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	
Compliance Evaluation Inspection	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20040419
	GENERATOR-GENERAL REQUIREMENTS	20040419
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20040419
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20040419
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20040419
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20040419
Compliance Evaluation Inspection	GENERATOR-OTHER REQUIREMENTS	20040419
	GENERATOR-OTHER REQUIREMENTS	20020107
	GENERATOR-OTHER REQUIREMENTS	20020107
Compliance Evaluation Inspection	GENERATOR-MANIFEST REQUIREMENTS	20020107
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	19980723

MN Enforcement Log :

Facility ID: MN0000275115
 Effective End Date: 03/09/04
 Enforcement Type: 121:Letter of Warning (LOW)
 Copliance Status: 04/19/04
 Lead Agency: State
 Final Penalty: Not reported
 Sequence: Not reported
 Payment Date: Not reported
 Amount: Not reported

Facility ID: MN0000275115
 Effective End Date: 11/19/01
 Enforcement Type: 211:FORGIVEABLE ADMN PENALTY ORDER(APO)
 Copliance Status: 01/07/02
 Lead Agency: State
 Final Penalty: Not reported
 Sequence: Not reported
 Payment Date: Not reported
 Amount: Not reported

Facility ID: MN0000275115
 Effective End Date: 08/20/98
 Enforcement Type: 121:Letter of Warning (LOW)
 Copliance Status: 07/23/98
 Lead Agency: State
 Final Penalty: Not reported
 Sequence: Not reported
 Payment Date: Not reported
 Amount: Not reported

AST:

Program Interest Id: 267373
 Address Id: 382827
 MPCA Tank Number: 1001
 Above/Under Ground: Above Ground
 Serial Number: Not reported
 Date Added: 06/27/2003 11:36:17

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CIRRUS DESIGN CORPORATION (Continued)

1000888768

Date Last Updated: 06/27/2003 11:36:17
Piping Cathodic Protection: Not reported
Tank Cathodic Protection: Internal Inspection
Tank Stored Product: Aviation Gas
Client Tank Number: Not reported
AST Base Material: Concrete Slab
Piping Material: Not reported
Piping Material Desc: Not reported
Second Contain Tank: Not reported
Second Contain Pipe: Not reported
Tank Construction Material: Bare/Paint/Asph Coat Steel
Tank Dispenser Code: Not reported
Tank Status Code: Active
Tank Storage Capacity: 10000
Tank Registration Date: 03/31/2003 00:00:00
Unregulated Tank Registration Date: Not reported
Compartmental Tank Flag: Not reported
Heating Product Flag: Not reported
Haz Waste Generator Id: Not reported
Product Replaced Date: Not reported
Sludge Disposal Facility: Not reported
Comments: Not reported
Staff Id Who Did The Last Update: JHENRY
In Compliance: Not reported
Preferred ID: 123098
Facility Addr 2: Not reported

INSREM:

Program Interest Id: Not reported
INSREM Product: Not reported
INSREM Project #: Not reported
INSREM Product: Not reported
INSREM Product Description: Not reported
INSREM Action ID: Not reported
INSREM Action: Not reported
Action Completed Date: Not reported
Date Added: Not reported
Date Last Updated: Not reported
MPCA Tank Number: Not reported
Tank Construction Material Code: Not reported
Piping Material: Not reported
Piping Material Desc: Not reported
Total Tank Capacity Quantity: Not reported
Staff Id Who Did The Last Update: Not reported

TABSITE:

Program Interest Id: 267373
Above Or Underground: Above Ground
Facility Code: 19
Indian Reservation: No
UST Registration Date: Not reported
AST Registration Date: 03/31/2003 00:00:00
Date Added: 06/27/2003 11:34:22
Date Last Updated: 05/05/2006 06:53:32
Staff Id Who Did The Last Update: RSUCHAN
Max Monthly Gallons: Not reported
Vapor Recovery Installed: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CIRRUS DESIGN CORPORATION (Continued)

1000888768

Vapor Notify Required: Not reported

TANK ACTION:

Program Interest Id: 267373
MPCA Tank Number: 1001
Above Or Underground: Above Ground
Tank Action ID: 88026
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Install Tank
Action Date: 06/01/2003 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 06/27/2003 11:36:41
Date Last Updated: 06/27/2003 11:36:41
Staff Id Who Did The Last Update: JHENRY

Program Interest Id: 267373
MPCA Tank Number: 1001
Above Or Underground: Above Ground
Tank Action ID: 88026
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: 11
Action Date: 06/01/2003 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 06/27/2003 11:36:50
Date Last Updated: 06/27/2003 11:36:50
Staff Id Who Did The Last Update: JHENRY

TANK COMPARTMENT:

Program Interest Id: 267373
MPCA Tank Number: 1001
Above Or Underground: Above Ground
Compartment Number: 1
Tank Stored Product Code: 4
Tank Stored Product Desc: Not reported
Compartment Cap: 10000
Heating: No
Other Desc: Not reported
Date Added: 06/27/2003 11:36:17
Date Last Updated: 06/27/2003 11:36:17
Staff Id Who Did The Last Update: JHENRY

WI MANIFEST:

Year: 04
EPA ID: MN0000275115
FID: 0
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CIRRUS DESIGN CORPORATION (Continued)

1000888768

Contact First Name: Not reported
Contact Last Name: Not reported
Contact Title: Not reported
Contact Address: Not reported
Contact State: Not reported
Contact City: Not reported
Contact Zip: Not reported
Contact Telephone: Not reported
Contact Extention: Not reported
Contact Email Address: Not reported
WI MANIFEST SHIP: -
Year: 04
Manifest DOC ID: 0
Copy Type: 3
Gen EPA ID: MN0000275115
Gen Date: 04/22/2004
TSD Date: 04/23/2004
TSD EPA ID: WID023350192
GEN Copy Revd Date: 5/10/2004
TSG Copy Revd Date: 05/03/2004
Year: Not reported
Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

Year: 04
Manifest DOC ID: 0
Copy Type: 3
Gen EPA ID: MN0000275115
Gen Date: 05/06/2004
TSD Date: 05/10/2004
TSD EPA ID: WID023350192
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: 05/19/2004
Year: Not reported
Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

Year: 04
Manifest DOC ID: 0
Copy Type: 3
Gen EPA ID: MN0000275115
Gen Date: 07/28/2004
TSD Date: 08/02/2004
TSD EPA ID: WID023350192
GEN Copy Revd Date: 8/3/2004
TSG Copy Revd Date: 08/11/2004
Year: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CIRRUS DESIGN CORPORATION (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000888768

Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

Year: 04
Manifest DOC ID: 0
Copy Type: 3
Gen EPA ID: MN0000275115
Gen Date: 09/09/2004
TSD Date: 09/15/2004
TSD EPA ID: WID023350192
GEN Copy Revd Date: 9/17/2004
TSG Copy Revd Date: 09/23/2004
Year: Not reported
Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

Year: 04
Manifest DOC ID: 0
Copy Type: 3
Gen EPA ID: MN0000275115
Gen Date: 04/22/2004
TSD Date: 05/03/2004
TSD EPA ID: WID003967148
GEN Copy Revd Date: 6/4/2004
TSG Copy Revd Date: 06/04/2004
Year: Not reported
Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

WI MANIFEST SHIP: Has 20 more record(s) for this section. Please contact your EDR Account Executive for more information

WI MANIFEST TRANS: -
Year: Not reported
Mifest DOC ID: Not reported
TRAN EPA ID: Not reported
TRAN ORDER NO: Not reported
TRAN Date: Not reported

Year: Not reported
Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CIRRUS DESIGN CORPORATION (Continued)

EDR ID Number
EPA ID Number

Database(s)

Site

1000888768

Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

Year: 05
EPA ID: MN0000275115
FID: 0
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
Contact First Name: Not reported
Contact Last Name: Not reported
Contact Title: Not reported
Contact Address: Not reported
Contact State: Not reported
Contact City: Not reported
Contact Zip: 0
Contact Telephone: 0
Contact Extention: Not reported
Contact Email Address: Not reported
WI MANIFEST SHIP: -

Year: 04
Manifest DOC ID: 0
Copy Type: 3
Gen EPA ID: MN0000275115
Gen Date: 04/22/2004
TSD Date: 04/23/2004
TSD EPA ID: WID023350192
GEN Copy Revd Date: 5/10/2004
TSG Copy Revd Date: 05/03/2004
Year: Not reported
Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

Year: 04
Manifest DOC ID: 0
Copy Type: 3
Gen EPA ID: MN0000275115
Gen Date: 05/06/2004
TSD Date: 05/10/2004
TSD EPA ID: WID023350192
GEN Copy Revd Date: Not reported
TSG Copy Revd Date: 05/19/2004
Year: Not reported
Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

CIRRUS DESIGN CORPORATION (Continued)

EDR ID Number
EPA ID Number

Database(s)

Site

1000888768

Unit of Measure: Not reported
Waste LBS: Not reported

Year: 04
Manifest DOC ID: 0
Copy Type: 3
Gen EPA ID: MN0000275115
Gen Date: 07/28/2004
TSD Date: 08/02/2004
TSD EPA ID: WID023350192
GEN Copy Revd Date: 8/3/2004
TSG Copy Revd Date: 08/11/2004
Year: Not reported
Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

Year: 04
Manifest DOC ID: 0
Copy Type: 3
Gen EPA ID: MN0000275115
Gen Date: 09/09/2004
TSD Date: 09/15/2004
TSD EPA ID: WID023350192
GEN Copy Revd Date: 9/17/2004
TSG Copy Revd Date: 09/23/2004
Year: Not reported
Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

Year: 04
Manifest DOC ID: 0
Copy Type: 3
Gen EPA ID: MN0000275115
Gen Date: 04/22/2004
TSD Date: 05/03/2004
TSD EPA ID: WID003967148
GEN Copy Revd Date: 6/4/2004
TSG Copy Revd Date: 06/04/2004
Year: Not reported
Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

WI MANIFEST SHIP: Has 20 more record(s) for this section. Please contact your EDR Account

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

CIRRUS DESIGN CORPORATION (Continued)

1000888768

Executive for more information

WI MANIFEST TRANS: -
 Year: Not reported
 Mifest DOC ID: Not reported
 TRAN EPA ID: Not reported
 TRAN ORDER NO: Not reported
 TRAN Date: Not reported

Year: Not reported
 Manifest DOC ID: Not reported
 Waste Page No: Not reported
 Waste Line No: Not reported
 Waste Code: Not reported
 Waste Amount: Not reported
 Unit of Measure: Not reported
 Waste LBS: Not reported

**D16
 SE
 1/8-1/4
 811 ft.**

**UNIV OF MINN RR INST
 5013 MILLER TRUNK HWY
 DULUTH, MN 55811**

**RCRA-SQG 1000429107
 FINDS MND175344886**

Site 1 of 3 in cluster D

**Relative:
 Lower**

RCRAInfo:
 Owner: NAME NOT REPORTED
 (312) 555-1212
 EPA ID: MND175344886
 Contact: Not reported

**Actual:
 1416 ft.**

Classification: Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
 Area of Violation: GENERATOR-OTHER REQUIREMENTS
 Date Violation Determined: 08/24/2000
 Actual Date Achieved Compliance: 12/20/2000

Enforcement Action: VIOLATION NOTICE (VN)
 Enforcement Action Date: 08/25/2000
 Penalty Type: Not reported

Regulation Violated: Not reported
 Area of Violation: GENERATOR-OTHER REQUIREMENTS
 Date Violation Determined: 08/24/2000
 Actual Date Achieved Compliance: 12/20/2000

Enforcement Action: VIOLATION NOTICE (VN)
 Enforcement Action Date: 08/25/2000
 Penalty Type: Not reported

Regulation Violated: Not reported
 Area of Violation: GENERATOR-MANIFEST REQUIREMENTS
 Date Violation Determined: 08/24/2000
 Actual Date Achieved Compliance: 12/20/2000

Enforcement Action: VIOLATION NOTICE (VN)
 Enforcement Action Date: 08/25/2000

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

UNIV OF MINN RR INST (Continued)

EDR ID Number
 EPA ID Number

Database(s)

1000429107

Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-PRE-TRANSPORT REQUIREMENTS
Date Violation Determined:	08/24/2000
Actual Date Achieved Compliance:	12/20/2000
Enforcement Action:	VIOLATION NOTICE (VN)
Enforcement Action Date:	08/25/2000
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-OTHER REQUIREMENTS
Date Violation Determined:	08/24/2000
Actual Date Achieved Compliance:	12/20/2000
Enforcement Action:	VIOLATION NOTICE (VN)
Enforcement Action Date:	08/25/2000
Penalty Type:	Not reported

There are 5 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-OTHER REQUIREMENTS	20001220
	GENERATOR-OTHER REQUIREMENTS	20001220
	GENERATOR-MANIFEST REQUIREMENTS	20001220
	GENERATOR-PRE-TRANSPORT REQUIREMENTS	20001220
	GENERATOR-OTHER REQUIREMENTS	20001220

FINDS:

Other Pertinent Environmental Activity Identified at Site

MN-DELTA (Minnesota - Permitting, Compliance, And Enforcement Information Management System) facilitates the issuance of permits and manages compliance

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.

**D17
 SE
 1/8-1/4
 811 ft.**

**U OF DULUTH - NRRI BUILDING
 5013 MILLER TRUNK HWY
 DULUTH, MN 55811**

**UST U003852032
 N/A**

Site 2 of 3 in cluster D

**Relative:
 Lower**

UST:

**Actual:
 1416 ft.**

Program Interest Id:	201438
MPCA Tank Number:	052
Above/ Under Ground:	Under Ground
Piping Cathodic Protection:	None
Tank Cathodic Protection:	None
Tank Stored Product:	Fuel Oil
Client Tank Number:	052
AST Base Material:	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

U OF DULUTH - NRRI BUILDING (Continued)

U003852032

Piping Material: Steel/Iron
 Piping Material Description: Not reported
 Second Contain Tank: Not reported
 Second Contain Pipe: Not reported
 Tank Construction Material: Bare/Paint/Asph Coat Steel
 Tank Dispenser Code: 1
Tank Status Code: Closed In-Place
 Tank Storage Capacity: 15000
 Tank Registration Date: 03/17/1989 00:00:00
 Unregulated Tank Registration Date: Not reported
 Compartmental Tank Flag: Not reported
 Heating Product Flag: Yes
 Haz Waste Generator Id: Not reported
 Product Replaced Date: Not reported
 Sludge Disposal Facility: Not reported
 Comments: Not reported
 Date Added: 10/10/1999 10:56:30
 Date Last Updated: 05/04/2002 08:20:49
 Staff Id Who Did The Last Update: TANKS
 In Compliance: Yes
 Serial Number: Not reported
 Address Id: 197387
 Fac Address 2: 3151 Miller Trunk Hwy
 Preferred ID: 12613

INSREM:

Program Interest Id: Not reported
 INSREM Product: Not reported
 INSREM Project #: Not reported
 INSREM Product: Not reported
 INSREM Product Description: Not reported
 INSREM Action ID: Not reported
 INSREM Action: Not reported
 Action Completed Date: Not reported
 Date Added: Not reported
 Date Last Updated: Not reported
 MPCA Tank Number: Not reported
 Tank Construction Material Code: Not reported
 Piping Material: Not reported
 Piping Material Desc: Not reported
 Total Tank Capacity Quantity: Not reported
 Staff Id Who Did The Last Update: Not reported

TABSITE:

Program Interest Id: 201438
 Above Or Underground: Both
 Facility Code: 10
 Indian Reservation: No
 UST Registration Date: 03/17/1989 00:00:00
 AST Registration Date: Not reported
 Date Added: 07/23/1992 19:11:05
 Date Last Updated: 05/23/2003 09:21:02
 Staff Id Who Did The Last Update: SYS
 Max Monthly Gallons: Not reported
 Vapor Recovery Installed: Unknown
 Vapor Notify Required: Unknown

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

U OF DULUTH - NRRI BUILDING (Continued)

U003852032

TANK ACTION:

Program Interest Id: 201438
MPCA Tank Number: 051
Above Or Underground: Under Ground
Tank Action ID: 25345
Contractor Number: 17
Supervisor Number: 6444
Tank Action: Remove Tank
Action Date: 11/29/1997 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: N
Date Added: 05/05/2000 08:31:42
Date Last Updated: 05/04/2002 08:20:49
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 201438
MPCA Tank Number: 051
Above Or Underground: Under Ground
Tank Action ID: 29406
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Install Tank
Action Date: 01/01/1984 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:42
Date Last Updated: 05/04/2002 08:20:49
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 201438
MPCA Tank Number: 052
Above Or Underground: Under Ground
Tank Action ID: 24257
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Close In Place
Action Date: 10/07/1992 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:42
Date Last Updated: 05/04/2002 08:20:49
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 201438
MPCA Tank Number: 052
Above Or Underground: Under Ground
Tank Action ID: 28165
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Install Tank
Action Date: 01/01/1955 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

U OF DULUTH - NRRI BUILDING (Continued)

U003852032

Date Added: 05/05/2000 08:31:42
Date Last Updated: 05/04/2002 08:20:49
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 201438
MPCA Tank Number: 053
Above Or Underground: Under Ground
Tank Action ID: 27325
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Remove Tank
Action Date: 10/07/1992 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: N
Date Added: 05/05/2000 08:31:42
Date Last Updated: 05/04/2002 08:20:49
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 201438
MPCA Tank Number: 053
Above Or Underground: Under Ground
Tank Action ID: 32774
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Install Tank
Action Date: 01/01/1955 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:42
Date Last Updated: 05/04/2002 08:20:49
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 201438
MPCA Tank Number: 054
Above Or Underground: Under Ground
Tank Action ID: 27291
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Remove Tank
Action Date: 10/07/1992 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: N
Date Added: 05/05/2000 08:31:42
Date Last Updated: 05/04/2002 08:20:49
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 201438
MPCA Tank Number: 054
Above Or Underground: Under Ground
Tank Action ID: 32701
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Install Tank
Action Date: 01/01/1955 00:00:00

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

U OF DULUTH - NRRI BUILDING (Continued)

U003852032

Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:42
Date Last Updated: 05/04/2002 08:20:49
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 201438
MPCA Tank Number: 055
Above Or Underground: Under Ground
Tank Action ID: 25796
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Remove Tank
Action Date: 10/07/1992 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: N
Date Added: 05/05/2000 08:31:42
Date Last Updated: 05/04/2002 08:20:49
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 201438
MPCA Tank Number: 055
Above Or Underground: Under Ground
Tank Action ID: 30167
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Install Tank
Action Date: 01/01/1955 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:42
Date Last Updated: 05/04/2002 08:20:49
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 201438
MPCA Tank Number: 056
Above Or Underground: Under Ground
Tank Action ID: 31390
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Install Tank
Action Date: 01/01/1955 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:42
Date Last Updated: 05/04/2002 08:20:49
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 201438
MPCA Tank Number: 057
Above Or Underground: Under Ground
Tank Action ID: 32701
Contractor Number: 17

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

U OF DULUTH - NRRI BUILDING (Continued)

U003852032

Supervisor Number: 6444
Tank Action: Install Tank
Action Date: 11/30/1997 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:42
Date Last Updated: 05/04/2002 08:20:49
Staff Id Who Did The Last Update: TANKS

TANK COMPARTMENT:

Program Interest Id: 201438
MPCA Tank Number: 051
Above Or Underground: Under Ground
Compartment Number: 1
Tank Stored Product Code: 10
Tank Stored Product Desc: DIESEL
Compartment Cap: 1000
Heating: Unknown
Other Desc: Not reported
Date Added: 10/10/1999 10:58:10
Date Last Updated: 05/04/2002 08:20:49
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 201438
MPCA Tank Number: 055
Above Or Underground: Under Ground
Compartment Number: 1
Tank Stored Product Code: 13
Tank Stored Product Desc: FUEL OIL
Compartment Cap: 30000
Heating: Unknown
Other Desc: Not reported
Date Added: 10/10/1999 10:58:19
Date Last Updated: 05/04/2002 08:20:49
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 201438
MPCA Tank Number: 056
Above Or Underground: Under Ground
Compartment Number: 1
Tank Stored Product Code: 24
Tank Stored Product Desc: WASTE OIL
Compartment Cap: 2000
Heating: Unknown
Other Desc: Not reported
Date Added: 10/10/1999 10:58:31
Date Last Updated: 05/04/2002 08:20:49
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 201438
MPCA Tank Number: 053
Above Or Underground: Under Ground
Compartment Number: 1
Tank Stored Product Code: 13
Tank Stored Product Desc: FUEL OIL
Compartment Cap: 30000

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

U OF DULUTH - NRRI BUILDING (Continued)

U003852032

Heating: Unknown
Other Desc: Not reported
Date Added: 10/10/1999 10:58:47
Date Last Updated: 05/04/2002 08:20:49
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 201438
MPCA Tank Number: 057
Above Or Underground: Under Ground
Compartment Number: 1
Tank Stored Product Code: 10
Tank Stored Product Desc: Not reported
Compartment Cap: 560
Heating: No
Other Desc: Not reported
Date Added: 10/10/1999 10:58:45
Date Last Updated: 05/04/2002 08:20:49
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 201438
MPCA Tank Number: 054
Above Or Underground: Under Ground
Compartment Number: 1
Tank Stored Product Code: 13
Tank Stored Product Desc: FUEL OIL
Compartment Cap: 30000
Heating: Unknown
Other Desc: Not reported
Date Added: 10/10/1999 10:58:45
Date Last Updated: 05/04/2002 08:20:49
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 201438
MPCA Tank Number: 052
Above Or Underground: Under Ground
Compartment Number: 1
Tank Stored Product Code: 13
Tank Stored Product Desc: FUEL OIL
Compartment Cap: 15000
Heating: Unknown
Other Desc: Not reported
Date Added: 10/10/1999 10:57:59
Date Last Updated: 05/04/2002 08:20:49
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 201438
MPCA Tank Number: 051
Above/ Under Ground: Under Ground
Piping Cathodic Protection: None
Tank Cathodic Protection: None
Tank Stored Product: Diesel
Client Tank Number: 051
AST Base Material: Not reported
Piping Material: Steel/Iron
Piping Material Description: Not reported
Second Contain Tank: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

U OF DULUTH - NRRI BUILDING (Continued)

U003852032

Second Contain Pipe:	Not reported
Tank Construction Material:	Bare/Paint/Asph Coat Steel
Tank Dispenser Code:	1
Tank Status Code:	Removed
Tank Storage Capacity:	1000
Tank Registration Date:	03/17/1989 00:00:00
Unregulated Tank Registration Date:	Not reported
Compartmental Tank Flag:	Not reported
Heating Product Flag:	Unknown
Haz Waste Generator Id:	Not reported
Product Replaced Date:	Not reported
Sludge Disposal Facility:	Not reported
Comments:	Not reported
Date Added:	10/10/1999 10:56:42
Date Last Updated:	05/04/2002 08:20:49
Staff Id Who Did The Last Update:	TANKS
In Compliance:	No
Serial Number:	Not reported
Address Id:	197387
Fac Address 2:	3151 Miller Trunk Hwy
Preferred ID:	12613
Program Interest Id:	201438
MPCA Tank Number:	055
Above/ Under Ground:	Under Ground
Piping Cathodic Protection:	None
Tank Cathodic Protection:	None
Tank Stored Product:	Fuel Oil
Client Tank Number:	055
AST Base Material:	Not reported
Piping Material:	Steel/Iron
Piping Material Description:	Not reported
Second Contain Tank:	Not reported
Second Contain Pipe:	Not reported
Tank Construction Material:	Bare/Paint/Asph Coat Steel
Tank Dispenser Code:	1
Tank Status Code:	Removed
Tank Storage Capacity:	30000
Tank Registration Date:	03/17/1989 00:00:00
Unregulated Tank Registration Date:	Not reported
Compartmental Tank Flag:	Not reported
Heating Product Flag:	Yes
Haz Waste Generator Id:	Not reported
Product Replaced Date:	Not reported
Sludge Disposal Facility:	Not reported
Comments:	Not reported
Date Added:	10/10/1999 10:56:51
Date Last Updated:	05/04/2002 08:20:49
Staff Id Who Did The Last Update:	TANKS
In Compliance:	Yes
Serial Number:	Not reported
Address Id:	197387
Fac Address 2:	3151 Miller Trunk Hwy
Preferred ID:	12613
Program Interest Id:	201438
MPCA Tank Number:	056

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

U OF DULUTH - NRRI BUILDING (Continued)

U003852032

Above/ Under Ground: Under Ground
 Piping Cathodic Protection: None
 Tank Cathodic Protection: None
 Tank Stored Product: Used Or Waste Oil
 Client Tank Number: 056
 AST Base Material: Not reported
 Piping Material: Steel/Iron
 Piping Material Description: Not reported
 Second Contain Tank: Not reported
 Second Contain Pipe: Not reported
 Tank Construction Material: Bare/Paint/Asph Coat Steel
 Tank Dispenser Code: 1
Tank Status Code: Closed In-Place
 Tank Storage Capacity: 2000
 Tank Registration Date: 03/17/1989 00:00:00
 Unregulated Tank Registration Date: Not reported
 Compartmental Tank Flag: Not reported
 Heating Product Flag: Unknown
 Haz Waste Generator Id: Not reported
 Product Replaced Date: Not reported
 Sludge Disposal Facility: Not reported
 Comments: Not reported
 Date Added: 10/10/1999 10:57:05
 Date Last Updated: 05/04/2002 08:20:49
 Staff Id Who Did The Last Update: TANKS
 In Compliance: No
 Serial Number: Not reported
 Address Id: 197387
 Fac Address 2: 3151 Miller Trunk Hwy
 Preferred ID: 12613

Program Interest Id: 201438
 MPCA Tank Number: 057
 Above/ Under Ground: Under Ground
 Piping Cathodic Protection: 4
 Tank Cathodic Protection: Anode
 Tank Stored Product: Diesel
 Client Tank Number: 057
 AST Base Material: Not reported
 Piping Material: Flexible
 Piping Material Description: Not reported
 Second Contain Tank: Not reported
 Second Contain Pipe: Not reported
 Tank Construction Material: STI-P3
 Tank Dispenser Code: 2
Tank Status Code: Active
 Tank Storage Capacity: 560
 Tank Registration Date: 10/12/1998 00:00:00
 Unregulated Tank Registration Date: Not reported
 Compartmental Tank Flag: Not reported
 Heating Product Flag: No
 Haz Waste Generator Id: Not reported
 Product Replaced Date: Not reported
 Sludge Disposal Facility: Not reported
 Comments: Not reported
 Date Added: 10/10/1999 10:57:20
 Date Last Updated: 05/04/2002 08:20:49

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

U OF DULUTH - NRRI BUILDING (Continued)

U003852032

Staff Id Who Did The Last Update:	TANKS
In Compliance:	Yes
Serial Number:	Not reported
Address Id:	197387
Fac Address 2:	3151 Miller Trunk Hwy
Preferred ID:	12613
Program Interest Id:	201438
MPCA Tank Number:	054
Above/ Under Ground:	Under Ground
Piping Cathodic Protection:	None
Tank Cathodic Protection:	None
Tank Stored Product:	Fuel Oil
Client Tank Number:	054
AST Base Material:	Not reported
Piping Material:	Steel/Iron
Piping Material Description:	Not reported
Second Contain Tank:	Not reported
Second Contain Pipe:	Not reported
Tank Construction Material:	Bare/Paint/Asph Coat Steel
Tank Dispenser Code:	1
Tank Status Code:	Removed
Tank Storage Capacity:	30000
Tank Registration Date:	03/17/1989 00:00:00
Unregulated Tank Registration Date:	Not reported
Compartmental Tank Flag:	Not reported
Heating Product Flag:	Yes
Haz Waste Generator Id:	Not reported
Product Replaced Date:	Not reported
Sludge Disposal Facility:	Not reported
Comments:	Not reported
Date Added:	10/10/1999 10:57:20
Date Last Updated:	05/04/2002 08:20:49
Staff Id Who Did The Last Update:	TANKS
In Compliance:	Yes
Serial Number:	Not reported
Address Id:	197387
Fac Address 2:	3151 Miller Trunk Hwy
Preferred ID:	12613
Program Interest Id:	201438
MPCA Tank Number:	053
Above/ Under Ground:	Under Ground
Piping Cathodic Protection:	None
Tank Cathodic Protection:	None
Tank Stored Product:	Fuel Oil
Client Tank Number:	053
AST Base Material:	Not reported
Piping Material:	Steel/Iron
Piping Material Description:	Not reported
Second Contain Tank:	Not reported
Second Contain Pipe:	Not reported
Tank Construction Material:	Bare/Paint/Asph Coat Steel
Tank Dispenser Code:	1
Tank Status Code:	Removed
Tank Storage Capacity:	30000
Tank Registration Date:	03/17/1989 00:00:00

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

U OF DULUTH - NRRI BUILDING (Continued)

U003852032

Unregulated Tank Registration Date: Not reported
 Compartmental Tank Flag: Not reported
 Heating Product Flag: Yes
 Haz Waste Generator Id: Not reported
 Product Replaced Date: Not reported
 Sludge Disposal Facility: Not reported
 Comments: Not reported
 Date Added: 10/10/1999 10:57:21
 Date Last Updated: 05/04/2002 08:20:49
 Staff Id Who Did The Last Update: TANKS
 In Compliance: Yes
 Serial Number: Not reported
 Address Id: 197387
 Fac Address 2: 3151 Miller Trunk Hwy
 Preferred ID: 12613

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

**D18
 SE
 1/8-1/4
 811 ft.**

**NRRI/UNIVERSITY OF MN-DULUTH
 5013 MILLER TRUNK HWY
 DULUTH, MN 55811**

**UST U000888908
 AST N/A**

Site 3 of 3 in cluster D

**Relative:
 Lower**

UST:
 Program Interest Id: 198669
 MPCA Tank Number: 055
 Above/ Under Ground: Under Ground
 Piping Cathodic Protection: None
 Tank Cathodic Protection: Anode
 Tank Stored Product: Fuel Oil
 Client Tank Number: 055
 AST Base Material: Not reported
 Piping Material: Steel/Iron
 Piping Material Description: Not reported
 Second Contain Tank: Not reported
 Second Contain Pipe: Not reported
 Tank Construction Material: Bare/Paint/Asph Coat Steel
 Tank Dispenser Code: 2
Tank Status Code: Removed
 Tank Storage Capacity: 30000
 Tank Registration Date: 05/12/1987 00:00:00
 Unregulated Tank Registration Date: Not reported
 Compartmental Tank Flag: Not reported
 Heating Product Flag: Yes
 Haz Waste Generator Id: MND175344886
 Product Replaced Date: Not reported
 Sludge Disposal Facility: J&D ENTERPRIZES
 Comments: Not reported
 Date Added: 10/10/1999 10:56:27
 Date Last Updated: 05/04/2002 08:11:22
 Staff Id Who Did The Last Update: TANKS
 In Compliance: Yes
 Serial Number: Not reported
 Address Id: 197387
 Fac Address 2: 3151 Miller Trunk Hwy
 Preferred ID: 9459

**Actual:
 1416 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

NRR/UNIVERSITY OF MN-DULUTH (Continued)

U000888908

INSREM:

Program Interest Id: 198669
INSREM Product: 206009
INSREM Project #: 3341
INSREM Product: Diesel
INSREM Product Description: DIESEL
INSREM Action ID: 377988
INSREM Action: Remove Tank And Pipe
Action Completed Date: Not reported
Date Added: 10/10/1999 11:02:50
Date Last Updated: 05/04/2002 08:11:22
MPCA Tank Number: 051
Tank Construction Material Code: 1
Piping Material: 1
Piping Material Desc: STEEL/IRON
Total Tank Capacity Quantity: 1000
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
INSREM Product: 206010
INSREM Project #: 3342
INSREM Product: Other Substance
INSREM Product Description: EMERG GEN/AUXILIARY FOR BOILER
INSREM Action ID: 377989
INSREM Action: Install Tank And Pipe
Action Completed Date: Not reported
Date Added: 10/10/1999 11:02:50
Date Last Updated: 05/04/2002 08:11:22
MPCA Tank Number: 001
Tank Construction Material Code: 6
Piping Material: 9
Piping Material Desc: POLYMERE
Total Tank Capacity Quantity: 560
Staff Id Who Did The Last Update: TANKS

TABSITE:

Program Interest Id: 198669
Above Or Underground: Both
Facility Code: 10
Indian Reservation: No
UST Registration Date: 05/12/1987 00:00:00
AST Registration Date: 02/12/1996 00:00:00
Date Added: 07/23/1992 19:11:05
Date Last Updated: 05/23/2003 09:21:02
Staff Id Who Did The Last Update: SYS
Max Monthly Gallons: Not reported
Vapor Recovery Installed: Unknown
Vapor Notify Required: Unknown

TANK ACTION:

Program Interest Id: 198669
MPCA Tank Number: 051
Above Or Underground: Under Ground
Tank Action ID: 32602
Contractor Number: Not reported
Supervisor Number: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

NRRI/UNIVERSITY OF MN-DULUTH (Continued)

U000888908

Tank Action: Install Tank
Action Date: 01/01/1956 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:19
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 052
Above Or Underground: Under Ground
Tank Action ID: 26463
Contractor Number: 227
Supervisor Number: 2042
Tank Action: Remove Tank
Action Date: 10/07/1992 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: N
Date Added: 05/05/2000 08:31:19
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 052
Above Or Underground: Under Ground
Tank Action ID: 31288
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Install Tank
Action Date: 01/01/1956 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:19
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 053
Above Or Underground: Under Ground
Tank Action ID: 26078
Contractor Number: 227
Supervisor Number: 2042
Tank Action: Remove Tank
Action Date: 10/07/1992 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: N
Date Added: 05/05/2000 08:31:19
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 053
Above Or Underground: Under Ground

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

NRRI/UNIVERSITY OF MN-DULUTH (Continued)

U000888908

Tank Action ID: 30632
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Install Tank
Action Date: 01/01/1956 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:19
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 054
Above Or Underground: Under Ground
Tank Action ID: 26855
Contractor Number: 227
Supervisor Number: 2042
Tank Action: Remove Tank
Action Date: 10/07/1992 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: N
Date Added: 05/05/2000 08:31:19
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 054
Above Or Underground: Under Ground
Tank Action ID: 31944
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Install Tank
Action Date: 01/01/1956 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:19
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 055
Above Or Underground: Under Ground
Tank Action ID: 24512
Contractor Number: 277
Supervisor Number: 2042
Tank Action: Remove Tank
Action Date: 10/07/1992 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: N
Date Added: 05/05/2000 08:31:19
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

NRRI/UNIVERSITY OF MN-DULUTH (Continued)

U000888908

Program Interest Id: 198669
MPCA Tank Number: 055
Above Or Underground: Under Ground
Tank Action ID: 27990
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Install Tank
Action Date: 01/01/1956 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:19
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 1056
Above Or Underground: Above Ground
Tank Action ID: 34355
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Install Tank
Action Date: 01/01/1991 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:19
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

TANK COMPARTMENT:

Program Interest Id: 198669
MPCA Tank Number: 053
Above Or Underground: Under Ground
Compartment Number: 1
Tank Stored Product Code: 13
Tank Stored Product Desc: FUEL OIL
Compartment Cap: 30000
Heating: Unknown
Other Desc: Not reported
Date Added: 10/10/1999 10:58:23
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 052
Above Or Underground: Under Ground
Compartment Number: 1
Tank Stored Product Code: 13
Tank Stored Product Desc: FUEL OIL
Compartment Cap: 15000
Heating: Unknown
Other Desc: Not reported
Date Added: 10/10/1999 10:58:30
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

NRRI/UNIVERSITY OF MN-DULUTH (Continued)

U000888908

Program Interest Id: 198669
MPCA Tank Number: 054
Above Or Underground: Under Ground
Compartment Number: 1
Tank Stored Product Code: 13
Tank Stored Product Desc: FUEL OIL
Compartment Cap: 30000
Heating: Unknown
Other Desc: Not reported
Date Added: 10/10/1999 10:58:37
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 051
Above Or Underground: Under Ground
Compartment Number: 1
Tank Stored Product Code: 10
Tank Stored Product Desc: DIESEL
Compartment Cap: 1000
Heating: Unknown
Other Desc: Not reported
Date Added: 10/10/1999 10:58:44
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 1056
Above Or Underground: Above Ground
Compartment Number: 1
Tank Stored Product Code: 13
Tank Stored Product Desc: FUEL OIL 1-2
Compartment Cap: 612
Heating: Not reported
Other Desc: Not reported
Date Added: 10/10/1999 10:59:04
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 055
Above Or Underground: Under Ground
Compartment Number: 1
Tank Stored Product Code: 13
Tank Stored Product Desc: FUEL OIL
Compartment Cap: 30000
Heating: Unknown
Other Desc: Not reported
Date Added: 10/10/1999 10:57:56
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 053
Above/ Under Ground: Under Ground
Piping Cathodic Protection: None

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

NRRI/UNIVERSITY OF MN-DULUTH (Continued)

U000888908

Tank Cathodic Protection:	None
Tank Stored Product:	Fuel Oil
Client Tank Number:	053
AST Base Material:	Not reported
Piping Material:	Steel/Iron
Piping Material Description:	Not reported
Second Contain Tank:	Not reported
Second Contain Pipe:	Not reported
Tank Construction Material:	Bare/Paint/Asph Coat Steel
Tank Dispenser Code:	2
Tank Status Code:	Removed
Tank Storage Capacity:	30000
Tank Registration Date:	05/12/1987 00:00:00
Unregulated Tank Registration Date:	Not reported
Compartmental Tank Flag:	Not reported
Heating Product Flag:	Yes
Haz Waste Generator Id:	MND175344886
Product Replaced Date:	Not reported
Sludge Disposal Facility:	J&D ENETERPRIZES
Comments:	Not reported
Date Added:	10/10/1999 10:56:57
Date Last Updated:	05/04/2002 08:11:22
Staff Id Who Did The Last Update:	TANKS
In Compliance:	Yes
Serial Number:	Not reported
Address Id:	197387
Fac Address 2:	3151 Miller Trunk Hwy
Preferred ID:	9459
Program Interest Id:	198669
MPCA Tank Number:	052
Above/ Under Ground:	Under Ground
Piping Cathodic Protection:	None
Tank Cathodic Protection:	None
Tank Stored Product:	Fuel Oil
Client Tank Number:	052
AST Base Material:	Not reported
Piping Material:	Steel/Iron
Piping Material Description:	Not reported
Second Contain Tank:	Not reported
Second Contain Pipe:	Not reported
Tank Construction Material:	Bare/Paint/Asph Coat Steel
Tank Dispenser Code:	2
Tank Status Code:	Removed
Tank Storage Capacity:	15000
Tank Registration Date:	05/12/1987 00:00:00
Unregulated Tank Registration Date:	Not reported
Compartmental Tank Flag:	Not reported
Heating Product Flag:	Yes
Haz Waste Generator Id:	MND175344886
Product Replaced Date:	Not reported
Sludge Disposal Facility:	J&D ENTERPRIZES
Comments:	Not reported
Date Added:	10/10/1999 10:57:04
Date Last Updated:	05/04/2002 08:11:22
Staff Id Who Did The Last Update:	TANKS
In Compliance:	Yes

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

NRRI/UNIVERSITY OF MN-DULUTH (Continued)

U000888908

Serial Number:	Not reported
Address Id:	197387
Fac Address 2:	3151 Miller Trunk Hwy
Preferred ID:	9459
Program Interest Id:	198669
MPCA Tank Number:	054
Above/ Under Ground:	Under Ground
Piping Cathodic Protection:	None
Tank Cathodic Protection:	None
Tank Stored Product:	Fuel Oil
Client Tank Number:	054
AST Base Material:	Not reported
Piping Material:	Steel/Iron
Piping Material Description:	Not reported
Second Contain Tank:	Not reported
Second Contain Pipe:	Not reported
Tank Construction Material:	Bare/Paint/Asph Coat Steel
Tank Dispenser Code:	2
Tank Status Code:	Removed
Tank Storage Capacity:	30000
Tank Registration Date:	05/12/1987 00:00:00
Unregulated Tank Registration Date:	Not reported
Compartmental Tank Flag:	Not reported
Heating Product Flag:	Yes
Haz Waste Generator Id:	MND175344886
Product Replaced Date:	Not reported
Sludge Disposal Facility:	J&D ENTERPRIZES
Comments:	Not reported
Date Added:	10/10/1999 10:57:11
Date Last Updated:	05/04/2002 08:11:22
Staff Id Who Did The Last Update:	TANKS
In Compliance:	Yes
Serial Number:	Not reported
Address Id:	197387
Fac Address 2:	3151 Miller Trunk Hwy
Preferred ID:	9459
Program Interest Id:	198669
MPCA Tank Number:	051
Above/ Under Ground:	Under Ground
Piping Cathodic Protection:	None
Tank Cathodic Protection:	Anode
Tank Stored Product:	Diesel
Client Tank Number:	051
AST Base Material:	Not reported
Piping Material:	Steel/Iron
Piping Material Description:	Not reported
Second Contain Tank:	Not reported
Second Contain Pipe:	Not reported
Tank Construction Material:	Bare/Paint/Asph Coat Steel
Tank Dispenser Code:	2
Tank Status Code:	Removed
Tank Storage Capacity:	1000
Tank Registration Date:	05/12/1987 00:00:00
Unregulated Tank Registration Date:	Not reported
Compartmental Tank Flag:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

NRRI/UNIVERSITY OF MN-DULUTH (Continued)

U000888908

Heating Product Flag: Unknown
Haz Waste Generator Id: Not reported
Product Replaced Date: Not reported
Sludge Disposal Facility: Not reported
Comments: Not reported
Date Added: 10/10/1999 10:57:19
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS
In Compliance: Yes
Serial Number: Not reported
Address Id: 197387
Fac Address 2: 3151 Miller Trunk Hwy
Preferred ID: 9459

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

AST:

Program Interest Id: 198669
Address Id: 197387
MPCA Tank Number: 1056
Above/Under Ground: Above Ground
Serial Number: Not reported
Date Added: 10/10/1999 10:57:46
Date Last Updated: 05/06/2004 07:15:43
Piping Cathodic Protection: Not reported
Tank Cathodic Protection: Not reported
Tank Stored Product: Fuel Oil
Client Tank Number: 1056
AST Base Material: Located Indoors
Piping Material: Steel/Iron
Piping Material Desc: STEEL/IRON
Second Contain Tank: Not reported
Second Contain Pipe: Not reported
Tank Construction Material: Metal
Tank Dispenser Code: Not reported
Tank Status Code: Active
Tank Storage Capacity: 612
Tank Registration Date: 02/12/1996 00:00:00
Unregulated Tank Registration Date: Not reported
Compartmental Tank Flag: Not reported
Heating Product Flag: Not reported
Haz Waste Generator Id: Not reported
Product Replaced Date: Not reported
Sludge Disposal Facility: Not reported
Comments: Not reported
Staff Id Who Did The Last Update: RSUCHAN
In Compliance: Yes
Preferred ID: 9459
Facility Addr 2: 3151 Miller Trunk Hwy

INSREM:

Program Interest Id: 198669
INSREM Product: 206009
INSREM Project #: 3341
INSREM Product: Diesel
INSREM Product Description: DIESEL

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

NRRI/UNIVERSITY OF MN-DULUTH (Continued)

U000888908

INSREM Action ID: 377988
INSREM Action: Remove Tank And Pipe
Action Completed Date: Not reported
Date Added: 10/10/1999 11:02:50
Date Last Updated: 05/04/2002 08:11:22
MPCA Tank Number: 051
Tank Construction Material Code: 1
Piping Material: 1
Piping Material Desc: STEEL/IRON
Total Tank Capacity Quantity: 1000
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
INSREM Product: 206010
INSREM Project #: 3342
INSREM Product: Other Substance
INSREM Product Description: EMERG GEN/AUXILIARY FOR BOILER
INSREM Action ID: 377989
INSREM Action: Install Tank And Pipe
Action Completed Date: Not reported
Date Added: 10/10/1999 11:02:50
Date Last Updated: 05/04/2002 08:11:22
MPCA Tank Number: 001
Tank Construction Material Code: 6
Piping Material: 9
Piping Material Desc: POLYMERE
Total Tank Capacity Quantity: 560
Staff Id Who Did The Last Update: TANKS

TABSITE:

Program Interest Id: 198669
Above Or Underground: Both
Facility Code: 10
Indian Reservation: No
UST Registration Date: 05/12/1987 00:00:00
AST Registration Date: 02/12/1996 00:00:00
Date Added: 07/23/1992 19:11:05
Date Last Updated: 05/23/2003 09:21:02
Staff Id Who Did The Last Update: SYS
Max Monthly Gallons: Not reported
Vapor Recovery Installed: Unknown
Vapor Notify Required: Unknown

TANK ACTION:

Program Interest Id: 198669
MPCA Tank Number: 051
Above Or Underground: Under Ground
Tank Action ID: 32602
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Install Tank
Action Date: 01/01/1956 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:19

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

NRRI/UNIVERSITY OF MN-DULUTH (Continued)

U000888908

Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 052
Above Or Underground: Under Ground
Tank Action ID: 26463
Contractor Number: 227
Supervisor Number: 2042
Tank Action: Remove Tank
Action Date: 10/07/1992 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: N
Date Added: 05/05/2000 08:31:19
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 052
Above Or Underground: Under Ground
Tank Action ID: 31288
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Install Tank
Action Date: 01/01/1956 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:19
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 053
Above Or Underground: Under Ground
Tank Action ID: 26078
Contractor Number: 227
Supervisor Number: 2042
Tank Action: Remove Tank
Action Date: 10/07/1992 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: N
Date Added: 05/05/2000 08:31:19
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 053
Above Or Underground: Under Ground
Tank Action ID: 30632
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Install Tank
Action Date: 01/01/1956 00:00:00
Action Date Unknown: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

NRRI/UNIVERSITY OF MN-DULUTH (Continued)

U000888908

Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:19
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 054
Above Or Underground: Under Ground
Tank Action ID: 26855
Contractor Number: 227
Supervisor Number: 2042
Tank Action: Remove Tank
Action Date: 10/07/1992 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: N
Date Added: 05/05/2000 08:31:19
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 054
Above Or Underground: Under Ground
Tank Action ID: 31944
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Install Tank
Action Date: 01/01/1956 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:19
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 055
Above Or Underground: Under Ground
Tank Action ID: 24512
Contractor Number: 277
Supervisor Number: 2042
Tank Action: Remove Tank
Action Date: 10/07/1992 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: N
Date Added: 05/05/2000 08:31:19
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 055
Above Or Underground: Under Ground
Tank Action ID: 27990
Contractor Number: Not reported
Supervisor Number: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

NRRI/UNIVERSITY OF MN-DULUTH (Continued)

U000888908

Tank Action: Install Tank
Action Date: 01/01/1956 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:19
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 1056
Above Or Underground: Above Ground
Tank Action ID: 34355
Contractor Number: Not reported
Supervisor Number: Not reported
Tank Action: Install Tank
Action Date: 01/01/1991 00:00:00
Action Date Unknown: Not reported
Corrosion Expert Name: Not reported
Lab Flag: Not reported
Date Added: 05/05/2000 08:31:19
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

TANK COMPARTMENT:

Program Interest Id: 198669
MPCA Tank Number: 053
Above Or Underground: Under Ground
Compartment Number: 1
Tank Stored Product Code: 13
Tank Stored Product Desc: FUEL OIL
Compartment Cap: 30000
Heating: Unknown
Other Desc: Not reported
Date Added: 10/10/1999 10:58:23
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 052
Above Or Underground: Under Ground
Compartment Number: 1
Tank Stored Product Code: 13
Tank Stored Product Desc: FUEL OIL
Compartment Cap: 15000
Heating: Unknown
Other Desc: Not reported
Date Added: 10/10/1999 10:58:30
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 054
Above Or Underground: Under Ground
Compartment Number: 1
Tank Stored Product Code: 13
Tank Stored Product Desc: FUEL OIL

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

NRRI/UNIVERSITY OF MN-DULUTH (Continued)

U000888908

Compartment Cap: 30000
Heating: Unknown
Other Desc: Not reported
Date Added: 10/10/1999 10:58:37
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 051
Above Or Underground: Under Ground
Compartment Number: 1
Tank Stored Product Code: 10
Tank Stored Product Desc: DIESEL
Compartment Cap: 1000
Heating: Unknown
Other Desc: Not reported
Date Added: 10/10/1999 10:58:44
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 1056
Above Or Underground: Above Ground
Compartment Number: 1
Tank Stored Product Code: 13
Tank Stored Product Desc: FUEL OIL 1-2
Compartment Cap: 612
Heating: Not reported
Other Desc: Not reported
Date Added: 10/10/1999 10:59:04
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

Program Interest Id: 198669
MPCA Tank Number: 055
Above Or Underground: Under Ground
Compartment Number: 1
Tank Stored Product Code: 13
Tank Stored Product Desc: FUEL OIL
Compartment Cap: 30000
Heating: Unknown
Other Desc: Not reported
Date Added: 10/10/1999 10:57:56
Date Last Updated: 05/04/2002 08:11:22
Staff Id Who Did The Last Update: TANKS

19
WNW
1/8-1/4
1183 ft.

CUSTOM COACH AUTOBODY
5083 MILLER TRUNK HWY
HERMANTOWN, MN 55811

RCRA-SQG **1004726555**
FINDS **MN0000199562**
WI MANIFEST

Relative:
Higher

Actual:
1431 ft.

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

CUSTOM COACH AUTOBODY (Continued)

1004726555

RCRAInfo:

Owner: NORDALL TODD A
 (218) 729-5554
 EPA ID: MN0000199562
 Contact: TODD NORDWALL
 (218) 729-5554

Classification: Conditionally Exempt Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-OTHER REQUIREMENTS
Date Violation Determined:	07/16/2002
Actual Date Achieved Compliance:	08/20/2002
Enforcement Action:	VIOLATION NOTICE (VN)
Enforcement Action Date:	07/17/2002
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-OTHER REQUIREMENTS
Date Violation Determined:	07/16/2002
Actual Date Achieved Compliance:	08/20/2002
Enforcement Action:	VIOLATION NOTICE (VN)
Enforcement Action Date:	07/17/2002
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined:	07/16/2002
Actual Date Achieved Compliance:	08/20/2002
Enforcement Action:	VIOLATION NOTICE (VN)
Enforcement Action Date:	07/17/2002
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined:	07/16/2002
Actual Date Achieved Compliance:	08/20/2002
Enforcement Action:	VIOLATION NOTICE (VN)
Enforcement Action Date:	07/17/2002
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-OTHER REQUIREMENTS
Date Violation Determined:	07/16/2002
Actual Date Achieved Compliance:	08/20/2002
Enforcement Action:	VIOLATION NOTICE (VN)
Enforcement Action Date:	07/17/2002
Penalty Type:	Not reported

There are 5 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-OTHER REQUIREMENTS	20020820
	GENERATOR-OTHER REQUIREMENTS	20020820

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

CUSTOM COACH AUTOBODY (Continued)

EDR ID Number
 EPA ID Number

Database(s)

	1004726555
GENERATOR-MANIFEST REQUIREMENTS	20020820
GENERATOR-GENERAL REQUIREMENTS	20020820
GENERATOR-OTHER REQUIREMENTS	20020820

FINDS:

Other Pertinent Environmental Activity Identified at Site

MN-DELTA (Minnesota - Permitting, Compliance, And Enforcement Information Management System) facilitates the issuance of permits and manages compliance

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.

WI MANIFEST:

Year: 04
 EPA ID: MN0000199562
 FID: 0
 ACT Code: 203
 ACT Status: A
 ACT Code 1: 203
 ACT Name: HW Generator - Very Small
 Contact First Name: Not reported
 Contact Last Name: Not reported
 Contact Title: Not reported
 Contact Address: Not reported
 Contact State: Not reported
 Contact City: Not reported
 Contact Zip: Not reported
 Contact Telephone: Not reported
 Contact Extention: Not reported
 Contact Email Address: Not reported
 WI MANIFEST SHIP: -
 Year: 04
 Manifest DOC ID: 0
 Copy Type: 3
 Gen EPA ID: MN0000199562
 Gen Date: 04/15/2004
 TSD Date: 04/23/2004
 TSD EPA ID: WID990829475
 GEN Copy Revd Date: 5/21/2004
 TSG Copy Revd Date: 05/21/2004
 Year: Not reported
 Manifest DOC ID: Not reported
 Waste Page No: Not reported
 Waste Line No: Not reported
 Waste Code: Not reported
 Waste Amount: Not reported
 Unit of Measure: Not reported
 Waste LBS: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CUSTOM COACH AUTOBODY (Continued)

1004726555

Year: 05
Manifest DOC ID: 0
Copy Type: 3
Gen EPA ID: MN0000199562
Gen Date: 09/19/2005
TSD Date: 09/26/2005
TSD EPA ID: WID990829475
GEN Copy Revd Date: 09/29/2005
TSG Copy Revd Date: 10/05/2005
Year: Not reported
Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

WI MANIFEST TRANS: -

Year: Not reported
Mifest DOC ID: Not reported
TRAN EPA ID: Not reported
TRAN ORDER NO: Not reported
TRAN Date: Not reported

Year: Not reported
Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

Year: 05
EPA ID: MN0000199562
FID: 0
ACT Code: 203
ACT Status: A
ACT Code 1: 203
ACT Name: HW Generator - Very Small
Contact First Name: Not reported
Contact Last Name: Not reported
Contact Title: Not reported
Contact Address: Not reported
Contact State: Not reported
Contact City: Not reported
Contact Zip: 0
Contact Telephone: 0
Contact Extention: Not reported
Contact Email Address: Not reported
WI MANIFEST SHIP: -
Year: 04
Manifest DOC ID: 0
Copy Type: 3
Gen EPA ID: MN0000199562

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CUSTOM COACH AUTOBODY (Continued)

1004726555

Gen Date: 04/15/2004
TSD Date: 04/23/2004
TSD EPA ID: WID990829475
GEN Copy Revd Date: 5/21/2004
TSG Copy Revd Date: 05/21/2004
Year: Not reported
Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

Year: 05
Manifest DOC ID: 0
Copy Type: 3
Gen EPA ID: MN0000199562
Gen Date: 09/19/2005
TSD Date: 09/26/2005
TSD EPA ID: WID990829475
GEN Copy Revd Date: 09/29/2005
TSG Copy Revd Date: 10/05/2005
Year: Not reported
Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

WI MANIFEST TRANS: -

Year: Not reported
Mifest DOC ID: Not reported
TRAN EPA ID: Not reported
TRAN ORDER NO: Not reported
TRAN Date: Not reported

Year: Not reported
Manifest DOC ID: Not reported
Waste Page No: Not reported
Waste Line No: Not reported
Waste Code: Not reported
Waste Amount: Not reported
Unit of Measure: Not reported
Waste LBS: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

20
WNW
1/8-1/4
1307 ft.

HERMANTOWN RADIATOR RPR
5087 MILLER TRUNK HWY
HERMANTOWN, MN 55811

RCRA-SQG
FINDS

1004731870
MND985706431

Relative:
Higher

RCRAInfo:

Owner: HANSEN GLENN
 EPA ID: MND985706431

Actual:
1430 ft.

Contact: GLENN HANSEN
 (218) 729-6717

Classification: Conditionally Exempt Small Quantity Generator
 TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

MN-DELTA (Minnesota - Permitting, Compliance, And Enforcement Information Management System) facilitates the issuance of permits and manages compliance

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.

E21
SE
1/4-1/2
1360 ft.

FOOD AND FUEL
4997 MILLER TRUNK HWY
HERMANTOWN, MN 55811

LUST **S106552273**
N/A

Relative:
Lower

Site 1 of 3 in cluster E

LUST:

MN PCA ID: 223397
 Leak Site: Leak Site - Tank and Petroleum Contamination
 File Archive Box: 12
 File Archive Lot: 01/124
 Soil Digout Date: Not reported
 Cubic Yards Excavated: Not reported
 Cond Closure Date: Not reported
Complete Site Closure Date: 08/06/1998 00:00:00
 Contaminated Soils Remaining: Unknown
 Enforcement Action Begin Date: 12/01/1997 00:00:00
 Lust Trust Eligible: Yes
 Offsite Contamination: Unknown
 Reimbursement Awarded: No
 Release Discovered Date: 11/18/1997 00:00:00
 Leak Reported Date: 11/19/1997 00:00:00
 Std Letter Response Date: 01/08/1998 00:00:00
 Surface Water Impact: Unknown
 Utility Project Flag: No
 TMSP Added: 12/04/1999 14:03:51
 TMSP Last Update: 03/11/2003 14:25:57
 Staff Id Last Update: AMUSCH

Actual:
1415 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

FOOD AND FUEL (Continued)

S106552273

Release From AST: No
Release From UST: No
Tank Registration Status Code: F
VPIC Application Date: Not reported
VPIC Acres: Not reported
Facility Addr 2: Not reported
Leak ID: 10973
Addr Id: 270391
Township Name: Not reported
Active Flag: Not reported
Country Code: USA
Foreign State: Not reported
Foreign Zone: Not reported
State County Code: 69
Interest Type: LS
Interest Phone: Not reported
Interest Start Date: 08/20/99
Interest End Date: Not reported
Vapor Intrusion Checked Flag: Not reported
Soil Gas Data Collected Flag: Not reported
Soil Gas Action Level Flag: Not reported
Sub Slab Sample Collected Flag: Not reported
Indoor Air Collected Flag: Not reported
Vapor Intrusion Action Flag: Not reported
Vapor Intrusion Comments: Not reported
Soil Gas Data Comments: Not reported
Comments: Not reported

LEAK CLEANUP ACTIONS:
MN PCA ID: Not reported
Leak Action Seq Id: Not reported
Leak Action Code: Not reported
Leak Action Approval Date: Not reported
Leak Action Begin Date: Not reported
Leak Action End Date: Not reported
Product Recovered Gallons: Not reported
Product Removed Gallons: Not reported
Treated Water Gallons: Not reported
TMSP Added: Not reported
TMSP Last Update: Not reported
Staff Id Last Update: Not reported
Corrective Reason Code: Not reported

LEAK GW INFO:
MN PCA ID: 223397
Dw Supply Contam: Not reported
Free Product Observed: Not reported
Free Product Thickness: Not reported
Ground Water Contam: Not reported
Gw Cleanup Goal: 0
Gw Exceeds Cleanup Goal: Not reported
Cleanup Goal Achieved: Not reported
Water Supply Exceeds Ral: Not reported
Well Type Code: Not reported
Impacted Aquifer Code: Not reported
TMSP Added: 12/04/1999 14:07:34
TMSP Last Update: 11/04/2003 12:57:08
Staff Id Last Update: RSUCHAN

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

FOOD AND FUEL (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S106552273

Mtbe Present Now: Not reported
 Mtbe Present Historically: Not reported
 Mtbe High Ug Per Liter Char: Not reported
 Mtbe High Ug Per Liter Numb: Not reported
 Mtbe High Level Date: Not reported
 Free Product At Close: Not reported
 Staff Id Ass: Not reported
 PWS Well: Not reported
 Prot Flag: Not reported
 Sens Flag: Not reported

LEAK PRODUCT RELEASED:

MN PCA ID: 223397
 Prod Released Sequence Id: 34264
 Leak Product Code: Waste Oil
 Tmsp Added: 03/11/2003 14:26:00
 Tmsp Last_updt: 03/11/2003 14:26:00
 Staff Id Last Updt: AMUSCH

E22
SE
 1/4-1/2
 1360 ft.

FOOD N FUEL
4997 MILLER TRUNK HWY
DULUTH, MN 55811

LUST S106550016
N/A

Site 2 of 3 in cluster E

Relative:
Lower

LUST:

Actual:
1415 ft.

MN PCA ID: 221296
 Leak Site: Leak Site - Tank and Petroleum Contamination
 File Archive Box: Not reported
 File Archive Lot: Not reported
 Soil Digout Date: Not reported
 Cubic Yards Excavated: 0
 Cond Closure Date: Not reported
Complete Site Closure Date: 02/07/2000 00:00:00
 Contaminated Soils Remaining: Yes
 Enforcement Action Begin Date: Not reported
 Lust Trust Eligible: Yes
 Offsite Contamination: No
 Reimbursement Awarded: No
 Release Discovered Date: 08/30/1995 00:00:00
 Leak Reported Date: 08/30/1995 00:00:00
 Std Letter Response Date: Not reported
 Surface Water Impact: No
 Utility Project Flag: No
 TMSP Added: 12/04/1999 14:03:49
 TMSP Last Update: 03/28/2005 09:14:04
 Staff Id Last Update: SLEPPAL
 Release From AST: No
 Release From UST: No
 Tank Registration Status Code: F
 VPIC Application Date: Not reported
 VPIC Acres: Not reported
 Facility Addr 2: Not reported
 Leak ID: 8737
 Addr Id: 279809
 Township Name: Not reported
 Active Flag: Not reported
 Country Code: USA

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

FOOD N FUEL (Continued)

EDR ID Number
EPA ID Number

Database(s)

Site

S106550016

Foreign State: Not reported
Foreign Zone: Not reported
State County Code: 69
Interest Type: LS
Interest Phone: Not reported
Interest Start Date: 11/15/99
Interest End Date: Not reported
Vapor Intrusion Checked Flag: Not reported
Soil Gas Data Collected Flag: Not reported
Soil Gas Action Level Flag: Not reported
Sub Slab Sample Collected Flag: Not reported
Indoor Air Collected Flag: Not reported
Vapor Intrusion Action Flag: Not reported
Vapor Intrusion Comments: Not reported
Soil Gas Data Comments: Not reported
Comments: Not reported

LEAK CLEANUP ACTIONS:

MN PCA ID: Not reported
Leak Action Seq Id: Not reported
Leak Action Code: Not reported
Leak Action Approval Date: Not reported
Leak Action Begin Date: Not reported
Leak Action End Date: Not reported
Product Recovered Gallons: Not reported
Product Removed Gallons: Not reported
Treated Water Gallons: Not reported
TMSP Added: Not reported
TMSP Last Update: Not reported
Staff Id Last Update: Not reported
Corrective Reason Code: Not reported

LEAK GW INFO:

MN PCA ID: 221296
Dw Supply Contam: No
Free Product Observed: No
Free Product Thickness: Not reported
Ground Water Contam: S
Gw Cleanup Goal: 0
Gw Exceeds Cleanup Goal: Not reported
Cleanup Goal Achieved: Not reported
Water Supply Exceeds Ral: Not reported
Well Type Code: Not reported
Impacted Aquifer Code: 3
TMSP Added: 12/04/1999 14:07:33
TMSP Last Update: 11/04/2003 12:57:08
Staff Id Last Update: RSUCHAN
Mtbe Present Now: Not reported
Mtbe Present Historically: Not reported
Mtbe High Ug Per Liter Char: Not reported
Mtbe High Ug Per Liter Numb: Not reported
Mtbe High Level Date: Not reported
Free Product At Close: Not reported
Staff Id Ass: Not reported
PWS Well: Not reported
Prot Flag: Not reported
Sens Flag: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

FOOD N FUEL (Continued)

S106550016

LEAK PRODUCT RELEASED:
 MN PCA ID: 221296
 Prod Released Sequence Id: 322973
 Leak Product Code: Gasoline, Type Unknown
 Tmsp Added: 12/04/1999 14:04:34
 Tmsp Last_updt: 05/04/2002 09:29:45
 Staff Id Last Updt: TANKS
 MN PCA ID: 221296
 Prod Released Sequence Id: 325036
 Leak Product Code: Diesel
 Tmsp Added: 12/04/1999 14:04:37
 Tmsp Last_updt: 05/04/2002 09:29:45
 Staff Id Last Updt: TANKS

E23
SE
1/4-1/2
1430 ft.

CURTIS OIL BULK FACILITY
4995 MILLER TRUNK HWY
DULUTH, MN 55811

LUST S106549980
N/A

Site 3 of 3 in cluster E

Relative:
Lower

LUST:
 MN PCA ID: 221222
 Leak Site: Leak Site - Tank and Petroleum Contamination
 File Archive Box: Not reported
 File Archive Lot: Not reported
 Soil Digout Date: Not reported
 Cubic Yards Excavated: Not reported
 Cond Closure Date: Not reported
Complete Site Closure Date: Not reported
 Contaminated Soils Remaining: Unknown
 Enforcement Action Begin Date: 08/25/1995 00:00:00
 Lust Trust Eligible: Yes
 Offsite Contamination: Unknown
 Reimbursement Awarded: No
 Release Discovered Date: 08/16/1994 00:00:00
 Leak Reported Date: 08/07/1995 00:00:00
 Std Letter Response Date: 08/07/1995 00:00:00
 Surface Water Impact: Unknown
 Utility Project Flag: No
 TMSP Added: 12/04/1999 14:03:49
 TMSP Last Update: 03/14/2006 14:44:41
 Staff Id Last Update: GZARLIN
 Release From AST: No
 Release From UST: No
 Tank Registration Status Code: F
 VPIC Application Date: Not reported
 VPIC Acres: Not reported
 Facility Addr 2: Not reported
 Leak ID: 8660
 Addr Id: 175387
 Township Name: Not reported
 Active Flag: Not reported
 Country Code: USA
 Foreign State: Not reported
 Foreign Zone: Not reported
 State County Code: 69
 Interest Type: LS

Actual:
1414 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CURTIS OIL BULK FACILITY (Continued)

S106549980

Interest Phone: 2187295500
Interest Start Date: 11/13/98
Interest End Date: Not reported
Vapor Intrusion Checked Flag: Not reported
Soil Gas Data Collected Flag: Not reported
Soil Gas Action Level Flag: Not reported
Sub Slab Sample Collected Flag: Not reported
Indoor Air Collected Flag: Not reported
Vapor Intrusion Action Flag: Not reported
Vapor Intrusion Comments: Not reported
Soil Gas Data Comments: Not reported
Comments: Not reported

LEAK CLEANUP ACTIONS:

MN PCA ID: 221222
Leak Action Seq Id: 47021
Leak Action Code: 36
Leak Action Approval Date: Not reported
Leak Action Begin Date: 09/20/1995 00:00:00
Leak Action End Date: 09/21/1995 00:00:00
Product Recovered Gallons: Not reported
Product Removed Gallons: Not reported
Treated Water Gallons: Not reported
TMSP Added: 10/15/2004 13:41:02
TMSP Last Update: 10/15/2004 13:41:02
Staff Id Last Update: JPENNIN
Corrective Reason Code: 5
MN PCA ID: 221222
Leak Action Seq Id: 47022
Leak Action Code: 36
Leak Action Approval Date: 04/09/1999 00:00:00
Leak Action Begin Date: 08/10/1999 00:00:00
Leak Action End Date: 09/01/1999 00:00:00
Product Recovered Gallons: Not reported
Product Removed Gallons: Not reported
Treated Water Gallons: Not reported
TMSP Added: 10/15/2004 13:41:02
TMSP Last Update: 10/15/2004 13:41:02
Staff Id Last Update: JPENNIN
Corrective Reason Code: 4

LEAK GW INFO:

MN PCA ID: 221222
Dw Supply Contam: Not reported
Free Product Observed: Yes
Free Product Thickness: 5
Ground Water Contam: Yes
Gw Cleanup Goal: 0
Gw Exceeds Cleanup Goal: Not reported
Cleanup Goal Achieved: Not reported
Water Supply Exceeds Ral: Not reported
Well Type Code: Not reported
Impacted Aquifer Code: Not reported
TMSP Added: 12/04/1999 14:07:33
TMSP Last Update: 11/03/2005 12:10:25
Staff Id Last Update: JPENNIN
Mtbe Present Now: No
Mtbe Present Historically: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

CURTIS OIL BULK FACILITY (Continued)

S106549980

Mtbe High Ug Per Liter Char: Not reported
 Mtbe High Ug Per Liter Numb: Not reported
 Mtbe High Level Date: Not reported
 Free Product At Close: Not reported
 Staff Id Ass: 3371
 PWS Well: Not reported
 Prot Flag: Not reported
 Sens Flag: Not reported

LEAK PRODUCT RELEASED:

MN PCA ID: Not reported
 Prod Released Sequence Id: Not reported
 Leak Product Code: Not reported
 Tmsp Added: Not reported
 Tmsp Last_updt: Not reported
 Staff Id Last Updt: Not reported

**24
 SE
 1/4-1/2
 1568 ft.**

**MILLER TRUNK FOOD N FUEL
 4991 MILLER TRUNK HWY
 HERMANTOWN, MN 55811**

**LUST S106550967
 N/A**

**Relative:
 Lower**

LUST:

MN PCA ID: 223736
 Leak Site: Leak Site - Tank and Petroleum Contamination
 File Archive Box: Not reported
 File Archive Lot: Not reported
 Soil Digout Date: Not reported
 Cubic Yards Excavated: Not reported
 Cond Closure Date: Not reported
Complete Site Closure Date: 09/14/1998 00:00:00
 Contaminated Soils Remaining: Unknown
 Enforcement Action Begin Date: 06/04/1998 00:00:00
 Lust Trust Eligible: Yes
 Offsite Contamination: Unknown
 Reimbursement Awarded: No
 Release Discovered Date: 05/25/1998 00:00:00
 Leak Reported Date: 05/25/1998 00:00:00
 Std Letter Response Date: 06/25/1998 00:00:00
 Surface Water Impact: Unknown
 Utility Project Flag: No
 TMSP Added: 12/04/1999 14:03:51
 TMSP Last Update: 03/31/2003 15:46:54
 Staff Id Last Update: AMUSCH
 Release From AST: No
 Release From UST: No
 Tank Registration Status Code: F
 VPIC Application Date: Not reported
 VPIC Acres: Not reported
 Facility Addr 2: Not reported
 Leak ID: 11321
 Addr Id: 193909
 Township Name: Not reported
 Active Flag: Not reported
 Country Code: USA
 Foreign State: Not reported
 Foreign Zone: Not reported
 State County Code: 69

**Actual:
 1413 ft.**

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

MILLER TRUNK FOOD N FUEL (Continued)

S106550967

Interest Type: LS
Interest Phone: Not reported
Interest Start Date: 09/01/99
Interest End Date: Not reported
Vapor Intrusion Checked Flag: Not reported
Soil Gas Data Collected Flag: Not reported
Soil Gas Action Level Flag: Not reported
Sub Slab Sample Collected Flag: Not reported
Indoor Air Collected Flag: Not reported
Vapor Intrusion Action Flag: Not reported
Vapor Intrusion Comments: Not reported
Soil Gas Data Comments: Not reported
Comments: Not reported

LEAK CLEANUP ACTIONS:
MN PCA ID: Not reported
Leak Action Seq Id: Not reported
Leak Action Code: Not reported
Leak Action Approval Date: Not reported
Leak Action Begin Date: Not reported
Leak Action End Date: Not reported
Product Recovered Gallons: Not reported
Product Removed Gallons: Not reported
Treated Water Gallons: Not reported
TMSP Added: Not reported
TMSP Last Update: Not reported
Staff Id Last Update: Not reported
Corrective Reason Code: Not reported

LEAK GW INFO:
MN PCA ID: 223736
Dw Supply Contam: Not reported
Free Product Observed: Not reported
Free Product Thickness: Not reported
Ground Water Contam: Not reported
Gw Cleanup Goal: 0
Gw Exceeds Cleanup Goal: Not reported
Cleanup Goal Achieved: Not reported
Water Supply Exceeds Ral: Not reported
Well Type Code: Not reported
Impacted Aquifer Code: Not reported
TMSP Added: 12/04/1999 14:07:35
TMSP Last Update: 11/04/2003 12:57:08
Staff Id Last Update: RSUCHAN
Mtbe Present Now: Not reported
Mtbe Present Historically: Not reported
Mtbe High Ug Per Liter Char: Not reported
Mtbe High Ug Per Liter Numb: Not reported
Mtbe High Level Date: Not reported
Free Product At Close: Not reported
Staff Id Ass: Not reported
PWS Well: Not reported
Prot Flag: Not reported
Sens Flag: Not reported

LEAK PRODUCT RELEASED:
MN PCA ID: 223736
Prod Released Sequence Id: 35828
Leak Product Code: Unknown

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

MILLER TRUNK FOOD N FUEL (Continued)

EDR ID Number
 EPA ID Number

Database(s)

Tmsp Added: 03/31/2003 15:46:56
 Tmsp Last_updt: 03/31/2003 15:46:56
 Staff Id Last Updt: AMUSCH

S106550967

25
West
1/4-1/2
1621 ft.

HERMANTOWN SERVICE CENTER
5097 MILLER TRUNK HWY
DULUTH, MN 55811

LUST S106550061
N/A

Relative:
Higher

LUST:

Actual:
1424 ft.

MN PCA ID: 221402
 Leak Site: Leak Site - Tank and Petroleum Contamination
 File Archive Box: 18
 File Archive Lot: 00/298
 Soil Digout Date: 10/01/1995 00:00:00
 Cubic Yards Excavated: 21
 Cond Closure Date: Not reported
Complete Site Closure Date: 11/10/1997 00:00:00
 Contaminated Soils Remaining: Yes
 Enforcement Action Begin Date: 10/26/1995 00:00:00
 Lust Trust Eligible: Yes
 Offsite Contamination: No
 Reimbursement Awarded: No
 Release Discovered Date: 10/10/1995 00:00:00
 Leak Reported Date: 10/10/1995 00:00:00
 Std Letter Response Date: 11/12/1995 00:00:00
 Surface Water Impact: Unknown
 Utility Project Flag: No
 TMSM Added: 12/04/1999 14:03:49
 TMSM Last Update: 03/28/2005 09:15:33
 Staff Id Last Update: SLEPPAL
 Release From AST: No
 Release From UST: No
 Tank Registration Status Code: F
 VPIC Application Date: Not reported
 VPIC Acres: Not reported
 Facility Addr 2: Not reported
 Leak ID: 8846
 Addr Id: 268414
 Township Name: Not reported
 Active Flag: Not reported
 Country Code: USA
 Foreign State: Not reported
 Foreign Zone: Not reported
 State County Code: 69
 Interest Type: LS
 Interest Phone: Not reported
 Interest Start Date: 02/25/98
 Interest End Date: Not reported
 Vapor Intrusion Checked Flag: Not reported
 Soil Gas Data Collected Flag: Not reported
 Soil Gas Action Level Flag: Not reported
 Sub Slab Sample Collected Flag: Not reported
 Indoor Air Collected Flag: Not reported
 Vapor Intrusion Action Flag: Not reported
 Vapor Intrusion Comments: Not reported
 Soil Gas Data Comments: Not reported
 Comments: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

HERMANTOWN SERVICE CENTER (Continued)

S106550061

LEAK CLEANUP ACTIONS:

MN PCA ID: Not reported
Leak Action Seq Id: Not reported
Leak Action Code: Not reported
Leak Action Approval Date: Not reported
Leak Action Begin Date: Not reported
Leak Action End Date: Not reported
Product Recovered Gallons: Not reported
Product Removed Gallons: Not reported
Treated Water Gallons: Not reported
TMSP Added: Not reported
TMSP Last Update: Not reported
Staff Id Last Update: Not reported
Corrective Reason Code: Not reported

LEAK GW INFO:

MN PCA ID: 221402
Dw Supply Contam: Not reported
Free Product Observed: No
Free Product Thickness: Not reported
Ground Water Contam: Yes
Gw Cleanup Goal: 0
Gw Exceeds Cleanup Goal: Not reported
Cleanup Goal Achieved: Not reported
Water Supply Exceeds Ral: Not reported
Well Type Code: Not reported
Impacted Aquifer Code: 3
TMSP Added: 12/04/1999 14:07:33
TMSP Last Update: 11/04/2003 12:57:08
Staff Id Last Update: RSUCHAN
Mtbe Present Now: Not reported
Mtbe Present Historically: Not reported
Mtbe High Ug Per Liter Char: Not reported
Mtbe High Ug Per Liter Numb: Not reported
Mtbe High Level Date: Not reported
Free Product At Close: Not reported
Staff Id Ass: Not reported
PWS Well: Not reported
Prot Flag: Not reported
Sens Flag: Not reported

LEAK PRODUCT RELEASED:

MN PCA ID: 221402
Prod Released Sequence Id: 323039
Leak Product Code: Gasoline Regular
Tmsp Added: 12/04/1999 14:04:34
Tmsp Last_updt: 05/04/2002 09:30:08
Staff Id Last Updt: TANKS
MN PCA ID: 221402
Prod Released Sequence Id: 325046
Leak Product Code: Fuel Oil 1 and 2
Tmsp Added: 12/04/1999 14:04:37
Tmsp Last_updt: 05/04/2002 09:30:08
Staff Id Last Updt: TANKS

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)
 EDR ID Number
 EPA ID Number

26
 West
 1/4-1/2
 2294 ft.

SPUR NO 5054
5106 MILLER TRUNK HWY
HERMANTOWN, MN 55811

LUST **S104936776**
MN Spills **N/A**

Relative:
Higher

LUST:

Actual:
1426 ft.

MN PCA ID: 229300
 Leak Site: Leak Site - Tank and Petroleum Contamination
 File Archive Box: Not reported
 File Archive Lot: Not reported
 Soil Digout Date: Not reported
 Cubic Yards Excavated: Not reported
 Cond Closure Date: Not reported
Complete Site Closure Date: 01/23/2003 00:00:00
 Contaminated Soils Remaining: Yes
 Enforcement Action Begin Date: 12/08/2000 00:00:00
 Lust Trust Eligible: Yes
 Offsite Contamination: No
 Reimbursement Awarded: No
 Release Discovered Date: 11/20/2000 00:00:00
 Leak Reported Date: 11/20/2000 00:00:00
 Std Letter Response Date: 12/26/2000 00:00:00
 Surface Water Impact: No
 Utility Project Flag: No
 TMSP Added: 11/29/2000 14:15:59
 TMSP Last Update: 03/19/2004 10:50:29
 Staff Id Last Update: SEWERT
 Release From AST: No
 Release From UST: Yes
 Tank Registration Status Code: F
 VPIC Application Date: Not reported
 VPIC Acres: Not reported
 Facility Addr 2: Not reported
 Leak ID: 13771
 Addr Id: 205931
 Township Name: Not reported
 Active Flag: Not reported
 Country Code: USA
 Foreign State: Not reported
 Foreign Zone: Not reported
 State County Code: 69
 Interest Type: LS
 Interest Phone: Not reported
 Interest Start Date: 11/29/00
 Interest End Date: Not reported
 Vapor Intrusion Checked Flag: Not reported
 Soil Gas Data Collected Flag: Not reported
 Soil Gas Action Level Flag: Not reported
 Sub Slab Sample Collected Flag: Not reported
 Indoor Air Collected Flag: Not reported
 Vapor Intrusion Action Flag: Not reported
 Vapor Intrusion Comments: Not reported
 Soil Gas Data Comments: Not reported
 Comments: Not reported

LEAK CLEANUP ACTIONS:

MN PCA ID: Not reported
 Leak Action Seq Id: Not reported
 Leak Action Code: Not reported
 Leak Action Approval Date: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SPUR NO 5054 (Continued)

S104936776

Leak Action Begin Date: Not reported
Leak Action End Date: Not reported
Product Recovered Gallons: Not reported
Product Removed Gallons: Not reported
Treated Water Gallons: Not reported
TMSP Added: Not reported
TMSP Last Update: Not reported
Staff Id Last Update: Not reported
Corrective Reason Code: Not reported

LEAK GW INFO:

MN PCA ID: 229300
Dw Supply Contam: Not reported
Free Product Observed: Not reported
Free Product Thickness: Not reported
Ground Water Contam: No
Gw Cleanup Goal: Not reported
Gw Exceeds Cleanup Goal: Not reported
Cleanup Goal Achieved: Not reported
Water Supply Exceeds Ral: Not reported
Well Type Code: Not reported
Impacted Aquifer Code: Not reported
TMSP Added: 11/29/2000 14:15:59
TMSP Last Update: 11/04/2003 12:57:09
Staff Id Last Update: RSUCHAN
Mtbe Present Now: Not reported
Mtbe Present Historically: Not reported
Mtbe High Ug Per Liter Char: Not reported
Mtbe High Ug Per Liter Numb: Not reported
Mtbe High Level Date: Not reported
Free Product At Close: Not reported
Staff Id Ass: Not reported
PWS Well: Not reported
Prot Flag: Not reported
Sens Flag: Not reported

LEAK PRODUCT RELEASED:

MN PCA ID: 229300
Prod Released Sequence Id: 31412
Leak Product Code: Gasoline Unleaded
Tmsp Added: 10/21/2002 13:07:10
Tmsp Last_updt: 12/31/2002 15:25:49
Staff Id Last Updt: SHENDER

MN SPILL:

Program Id: 176379
Township Name: Not reported
Interest Type: SP
Addr Id: 205931
Interest Phone: Not reported
Preferred Id: 18368
Interest Start Date: 03/21/96
Interest End Date: Not reported
Active: Not reported
Tmsp Added: 03/21/96
Tmsp Last Updt: 11/18/03
Staff Id Last Updt: TANKS
fadd2: Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

SPUR NO 5054 (Continued)

S104936776

State County Code:	69
Country Code:	USA
Foreign State:	Not reported
Foreign Zone:	None
Spill Closure Code:	Not reported
Sp Rep Code:	Not reported
Report Taken By Initials:	1612
Mpca Project Manager Initials:	1612
Spill Site Closure Date:	01/01/1996 00:00:00
Sp Rep Desc:	911 DISPATCH
Spill Date:	08/24/1993 00:00:00
Spill Reported Date:	08/24/1993 00:00:00
Init Cause Code:	Spill
Init Cause Desc:	VEHICLE OVERFILL
Initial Source Code:	Not reported
Priority Code:	4
Archive Lot:	Not reported
Archive Box:	Not reported
Rep Phone:	Not reported
Rep Name:	Not reported
Mpca Involvement:	Not reported
Rpt Taken By Duty Officer:	Not reported
Spill Cause:	Not reported
Product:	Not reported
Spill:	Not reported
Report:	Not reported
Region:	Not reported
Project Mngr:	Not reported
Quantity:	Not reported
Product:	Not reported
Respnbl Party:	Not reported
Box:	Not reported
Public Affected:	Not reported
Closure Date:	Not reported
Cause Code:	Not reported
Date Reported:	Not reported
Location:	Not reported
Product:	Not reported
Amount Spilled:	Not reported
Units:	Not reported
Priority:	Not reported
Spill Date:	Not reported
Spill Date:	Not reported
Action Taken:	Not reported
Reported By:	Not reported
Incident:	Not reported
Respnbl Party:	Not reported
Spill Cause:	Not reported
Action Taken:	Not reported
Comments:	Not reported
MN SPILL ACTION:	
Spill Action Code:	Not reported
Spill Action Person:	Not reported
Spill Action Date:	Not reported
Tmsp Added:	Not reported
Tmsp Last Updt:	Not reported
Staff Id Last Updt:	Not reported

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

SPUR NO 5054 (Continued)

S104936776

MN SPILL AFFECTED DESCRIPTION:

Spill Inc. Affect Code: Not reported
 Tmsp Added: Not reported
 Tmsp Last Updt: Not reported
 Staff Id Last Updt: Not reported

MN SPILL EMERGENCY:

Emergency Id: Not reported
 Emergency Code: Not reported
 Spill Action Code: Not reported
 Tmsp Added: Not reported
 Tmsp Last Updt: Not reported
 Staff Id Last Updt: Not reported

MN SPILL PREVENTION:

Spill Prevention Code: Not reported
 Spill Prevention Date: Not reported
 Comments: Not reported
 Tmsp Added: Not reported
 Tmsp Last Updt: Not reported
 Staff Id Last Updt: Not reported

MN SPILL PRODUCT:

Program ID: 176379
 Spill Incident Accuracy Id: 70732
 Spill Product Code: Gasoline Regular
 Spill Qty Units Code: Gallons
 Spill Incident Accuracy Code: Known
 Spill Released Qty: 10
 Tmsp Added: 03/21/1996 00:00:00
 Tmsp Last Updt: 05/04/2002 06:58:22
 Staff Id Last Updt: TANKS

27
West
1/4-1/2
2586 ft.

HERMANTOWN FEDERAL CREDIT UNION
5116 MILLER TRUNK HIGHWAY
HERMANTOWN, MN 55811

LUST S106549050
N/A

Relative:
Higher

LUST:

MN PCA ID: 219198
 Leak Site: Leak Site - Tank and Petroleum Contamination
 File Archive Box: 08
 File Archive Lot: 97/11
 Soil Digout Date: 07/15/1993 00:00:00
 Cubic Yards Excavated: 200
 Cond Closure Date: Not reported
Complete Site Closure Date: 08/17/1994 00:00:00
 Contaminated Soils Remaining: Yes
 Enforcement Action Begin Date: 07/27/1993 00:00:00
 Lust Trust Eligible: No
 Offsite Contamination: Unknown
 Reimbursement Awarded: No
 Release Discovered Date: 07/14/1993 00:00:00
 Leak Reported Date: 07/15/1993 00:00:00
 Std Letter Response Date: Not reported
 Surface Water Impact: Unknown
 Utility Project Flag: No
 TMSP Added: 12/04/1999 14:03:48
 TMSP Last Update: 05/04/2002 09:22:04

Actual:
1423 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

HERMANTOWN FEDERAL CREDIT UNION (Continued)

S106549050

Staff Id Last Update: TANKS
Release From AST: No
Release From UST: No
Tank Registration Status Code: U
VPIC Application Date: Not reported
VPIC Acres: Not reported
Facility Addr 2: Not reported
Leak ID: 6562
Addr Id: 277765
Township Name: Not reported
Active Flag: Not reported
Country Code: USA
Foreign State: Not reported
Foreign Zone: Not reported
State County Code: 69
Interest Type: LS
Interest Phone: 2187297733
Interest Start Date: 08/14/96
Interest End Date: Not reported
Vapor Intrusion Checked Flag: Not reported
Soil Gas Data Collected Flag: Not reported
Soil Gas Action Level Flag: Not reported
Sub Slab Sample Collected Flag: Not reported
Indoor Air Collected Flag: Not reported
Vapor Intrusion Action Flag: Not reported
Vapor Intrusion Comments: Not reported
Soil Gas Data Comments: Not reported
Comments: Not reported

LEAK CLEANUP ACTIONS:

MN PCA ID: Not reported
Leak Action Seq Id: Not reported
Leak Action Code: Not reported
Leak Action Approval Date: Not reported
Leak Action Begin Date: Not reported
Leak Action End Date: Not reported
Product Recovered Gallons: Not reported
Product Removed Gallons: Not reported
Treated Water Gallons: Not reported
TMSP Added: Not reported
TMSP Last Update: Not reported
Staff Id Last Update: Not reported
Corrective Reason Code: Not reported

LEAK GW INFO:

MN PCA ID: 219198
Dw Supply Contam: Not reported
Free Product Observed: No
Free Product Thickness: Not reported
Ground Water Contam: No
Gw Cleanup Goal: 0
Gw Exceeds Cleanup Goal: Not reported
Cleanup Goal Achieved: Not reported
Water Supply Exceeds Ral: Not reported
Well Type Code: Not reported
Impacted Aquifer Code: Not reported
TMSP Added: 12/04/1999 14:07:31
TMSP Last Update: 11/04/2003 12:57:07

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

MAP FINDINGS

HERMANTOWN FEDERAL CREDIT UNION (Continued)

EDR ID Number
 EPA ID Number

Database(s)

S106549050

Staff Id Last Update: RSUCHAN
 Mtbe Present Now: Not reported
 Mtbe Present Historically: Not reported
 Mtbe High Ug Per Liter Char: Not reported
 Mtbe High Ug Per Liter Numb: Not reported
 Mtbe High Level Date: Not reported
 Free Product At Close: Not reported
 Staff Id Ass: Not reported
 PWS Well: Not reported
 Prot Flag: Not reported
 Sens Flag: Not reported

LEAK PRODUCT RELEASED:

MN PCA ID: 219198
 Prod Released Sequence Id: 321605
 Leak Product Code: Fuel Oil 1 and 2
 Tmsp Added: 12/04/1999 14:04:33
 Tmsp Last_updt: 05/04/2002 09:22:04
 Staff Id Last Updt: TANKS

**28
 ENE
 1/2-1
 4322 ft.**

**DULUTH INTERNATIONAL AIRPORT
 DULUTH, MN**

**FUDS 1007211215
 N/A**

**Relative:
 Equal**

FUDS:
 Federal Facility ID: MN9799F2374
 Facility Name: DULUTH INTERNATIONAL AIRPORT
 City: DULUTH
 State: MN
 EPA Region: 5
 County: ST LOUIS
 Congressional District: 08
 US Army District: Omaha District (NWO)
 Fiscal Year: 2004
 Phone: 402-221-3917
 Inst ID: Not reported
 CTC: Not reported
 RAB: Not reported

**Actual:
 1420 ft.**

FUDS History : The former Duluth Air Force Base was established in the early 1950's during the Korean War era. The site closed in 1982. Some of the major functions of the base included the operation and maintenance of Bomarc anti-aircraft missiles, Goose Decoy missiles, fighter aircraft, interceptors, and SAFE radar/communications. The base served to support the Duluth Missile Site near the French River, Minnesota, and the Finland Air Force Radar Station in Finland, Minnesota. The property was conveyed to the City, the Airport Authority, and to the National Guard. It is being used as an airport, for commercial and industrial purposes, and for National Guard training. Tanks, petroleum and building demolition are the subjects of the FUDS Program involvement.

FUDS Description : This site is located in the extreme northeast corner of Duluth, Minnesota, and is 6 miles from downtown Duluth. The Air Guard and main terminal facilities can be accessed via north Trunk Highway 53, then north on Stebner Road. Haines Road and Rice Lake Road run east of the airport. Strip-type commercial development abuts the south and some of the east boundary. The west and north

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

DULUTH INTERNATIONAL AIRPORT (Continued)

Database(s)
EDR ID Number
EPA ID Number

1007211215

sides are forested with some wetlands. The current uses are airport facility, commercial, and industrial. The National Guard also still uses some of the property.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
DULUTH	1004731574	TARGET 0004	1902 HWY 53	55811	RCRA-SQG, FINDS
DULUTH	S106546305	DULUTH GOVERNMENT SERVICES CENTER	ADDRESS UNKNOWN	55811	LUST
DULUTH	1008938528	RESERVE BRANCH LINE	ADDRESS UNKNOWN	55811	FINDS
DULUTH	1008882377	RESERVE BRANCH LINE	ADDRESS UNKNOWN	55811	RCRA-SQG
DULUTH	1004739344	UNITED PIPING INC	4510 AIRPORT RD/B	55811	RCRA-SQG, FINDS
DULUTH	A100208243	FED EX EXPRESS	AIRPORT APPROACH RD	55811	AST
DULUTH	A100208364	DULUTH AIRPORT MAINTENANCE SHOP	AIRPORT APPROACH RD	55811	AST
DULUTH	S105004383	DULUTH INTERNATIONAL AIRPORT - SITE #102	AIRPORT ROAD - SITE #102	55811	MN VIC
DULUTH	S107152443	DULUTH INTERNATIONAL AIRPORT - AOC C	AIRPORT ROAD	55811	MN VIC
DULUTH	S106548184	FEDERAL PRISON	6902 AIRPORT RD	55811	LUST
DULUTH	S106551118	MN AIR NATIONAL GUARD BLDG. 103	AIRPORT RD	55811	LUST
DULUTH	S106635037	DULUTH INTERNATIONAL AIRPORT - SITE 102	AIRPORT ROAD, SITE 102	55811	MN LS
DULUTH	S105710360	SEVEN ELEVEN #17676	3 W CENTRAL	55811	LUST, MN Spills
DULUTH	1004736200	FAA DMS SMO DULUTH MN ASR	DULUTH AIRPORT PROPERTY	55811	RCRA-SQG, FINDS
DULUTH	S106456364	DULUTH INTERNATIONAL AIRPORT	DULUTH INTERNATIONAL AIRPORT	55811	LUST
DULUTH	A100208327	KUNDEL GOLDSCHMIDT HANGER	LOT 13 - AIRPORT RD	55811	AST
DULUTH	1004736144	PENSKE AUTO CENTER	1734 MALL DR SITE B	55811	RCRA-SQG, FINDS
DULUTH	U003912513	FIRESTONE STORE	1600 MILLER HILL MALL	55811	UST
DULUTH	1004739523	HERMANTOWN MOLDING & MILLWORK	55191 MILLER TRUNK HWY	55811	RCRA-SQG, FINDS
DULUTH	1006817208	LONGVIEW INSPECTION INC	4879 MILLER TRUNK HWY	55811	RCRA-SQG, FINDS
DULUTH	A100202816	KOLAR BUICK	615/4781 MILLER TRUNK HWY	55811	AST
DULUTH	S106547432	NRRI/UNIVERSITY OF MN-DULUTH	3153 MILLER TRUNK HWY	55811	LUST
DULUTH	S106548075	KOLAR BUICK USED CAR LOT	615 MILLER TRUNK HIGHWAY	55811	LUST
DULUTH	U003913093	MN OUTDOOR RECREATION	3350 MILLER TRUNK HWY	55811	UST
DULUTH	S107730365	MINNESOTA POWER - ENERGY CONTROL CENTER	3215 PERSON ST	55811	TIER 2
HERMANTOWN	A100208360	HERMANTOWN/ADOLPH BULK PLANT	HWY 2 & MORRIS THOMAS RD	55811	AST
HERMANTOWN	U003864551	HOLIDAY	HWY 53 & HAINES RD	55811	UST
HERMANTOWN	S107734482	HUMES COLLISION CENTER - ARROWHEAD RD	4779 W ARROWHEAD RD	55811	AIRS
HERMANTOWN	S107731242	RESERVE TAKE OFF	1/2 MILE NORTH OF HWY 2 ON ALMQUIST	55811	TIER 2
HERMANTOWN	U003852440	HERMANTOWN SERVICE CENTER	5997 MILLER TRUNK HWY	55811	UST
HERMANTOWN	S106549058	ARROWHEAD REFINERY	5300 MILLER TRUNK HWY	55811	LUST

EPA Waste Codes Addendum

Code	Description
D001	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.
D002	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.
D005	BARIUM
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D035	METHYL ETHYL KETONE
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT 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.
F005	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.

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.

FEDERAL RECORDS

NPL: National Priority List

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

Date of Government Version: 07/05/2006	Source: EPA
Date Data Arrived at EDR: 08/02/2006	Telephone: N/A
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 10/30/2006
	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

Date of Government Version: 07/05/2006	Source: EPA
Date Data Arrived at EDR: 08/02/2006	Telephone: N/A
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 10/30/2006
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

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

Date of Government Version: 07/05/2006	Source: EPA
Date Data Arrived at EDR: 08/02/2006	Telephone: N/A
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 08/02/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 10/30/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL RECOVERY: 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: 08/21/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: No Update Planned

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: 06/19/2006	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 703-413-0223
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 09/21/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Quarterly

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: 07/17/2006	Source: EPA
Date Data Arrived at EDR: 08/02/2006	Telephone: 703-413-0223
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 09/18/2006
Number of Days to Update: 41	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006	Source: EPA
Date Data Arrived at EDR: 03/17/2006	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 09/05/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). 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. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006	Source: EPA
Date Data Arrived at EDR: 06/28/2006	Telephone: 800-424-9346
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 09/15/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2005	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/2006	Telephone: 202-260-2342
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 07/25/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 10/23/2006
	Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 07/03/2006	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 07/19/2006	Telephone: 202-366-4555
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 07/19/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 09/07/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 09/07/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/2004	Source: USGS
Date Data Arrived at EDR: 02/08/2005	Telephone: 703-692-8801
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 08/11/2006
Number of Days to Update: 177	Next Scheduled EDR Contact: 11/06/2006
	Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 12/05/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 01/19/2006	Telephone: 202-528-4285
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 09/18/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 01/01/2007
	Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients--States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/10/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/13/2006	Telephone: 202-566-2777
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 09/11/2006
Number of Days to Update: 55	Next Scheduled EDR Contact: 12/11/2006
	Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 12/14/2004	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/2005	Telephone: Varies
Date Made Active in Reports: 04/25/2005	Last EDR Contact: 09/18/2006
Number of Days to Update: 69	Next Scheduled EDR Contact: 10/23/2006
	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: 07/10/2006	Source: EPA
Date Data Arrived at EDR: 07/21/2006	Telephone: 703-416-0223
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/02/2006
	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: 11/04/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/28/2005	Telephone: 505-845-0011
Date Made Active in Reports: 01/30/2006	Last EDR Contact: 09/05/2006
Number of Days to Update: 63	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Varies

ODI: Open Dump Inventory

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

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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 07/20/2006	Source: EPA
Date Data Arrived at EDR: 07/21/2006	Telephone: 202-564-6064
Date Made Active in Reports: 08/22/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 32	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

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: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 06/22/2006	Telephone: 202-566-0250
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 09/22/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 12/18/2006
	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: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/16/2006
	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: 07/14/2006	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 07/18/2006	Telephone: 202-566-1667
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 09/18/2006
Number of Days to Update: 50	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 07/14/2006	Source: EPA
Date Data Arrived at EDR: 07/18/2006	Telephone: 202-566-1667
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 09/18/2006
Number of Days to Update: 50	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Quarterly

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: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 05/11/2006	Telephone: 202-564-4203
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/16/2006
	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: 02/13/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/21/2006	Telephone: 202-564-5088
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 07/17/2006
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/16/2006
	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: 07/07/2006	Source: EPA
Date Data Arrived at EDR: 08/09/2006	Telephone: 202-566-0500
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 08/09/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 11/06/2006
	Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

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

Date of Government Version: 07/10/2006	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 07/20/2006	Telephone: 301-415-7169
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

MINES: Mines Master Index File

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

Date of Government Version: 05/16/2006	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 06/28/2006	Telephone: 303-231-5959
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/21/2006	Source: EPA
Date Data Arrived at EDR: 07/25/2006	Telephone: N/A
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 04/03/2006
Number of Days to Update: 43	Next Scheduled EDR Contact: 07/03/2006
	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: 09/05/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: No Update Planned

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: 12/31/2003	Source: EPA/NTIS
Date Data Arrived at EDR: 06/17/2005	Telephone: 800-424-9346
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 09/15/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 12/11/2006
	Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

SHWS: Site Remediation System Database

The SRS database includes all sites that the State Superfund Program is dealing with or has dealt with. The Superfund Program identifies, investigates and determines appropriate cleanup plans for abandoned or uncontrolled hazardous waste sites where a release or potential release of a hazardous substance poses a risk to human health or the environment.

Date of Government Version: 07/06/2006	Source: Minnesota Pollution Control Agency
Date Data Arrived at EDR: 07/07/2006	Telephone: 651-296-6300
Date Made Active in Reports: 08/14/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 38	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Annually

MN PLP: Permanent List of Priorities

The list identifies hazardous waste sites where investigation and cleanup are needed, cleanup is underway, or cleanup has been completed and long-term monitoring or maintenance continues.

Date of Government Version: 05/08/2006	Source: Pollution Control Agency
Date Data Arrived at EDR: 07/05/2006	Telephone: 651-296-6139
Date Made Active in Reports: 08/14/2006	Last EDR Contact: 09/18/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MN DEL PLP: Delisted Permanent List of Priorities

This generally means that either no more cleanup at a site is needed or that no state superfund funding is needed for long term monitoring activities.

Date of Government Version: 12/06/2005	Source: Pollution Control Agency
Date Data Arrived at EDR: 06/22/2006	Telephone: 651-296-6139
Date Made Active in Reports: 07/25/2006	Last EDR Contact: 09/18/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: Annually

SWF/LF: Permitted Solid Waste Disposal Facilities

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

Date of Government Version: 06/01/2006	Source: Minnesota Pollution Control Agency
Date Data Arrived at EDR: 06/07/2006	Telephone: 651-296-7276
Date Made Active in Reports: 07/25/2006	Last EDR Contact: 09/07/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: Varies

LCP: Closed Landfills Priority List

The Minnesota Legislature enacted a law to manage and clean up the state's closed Mixed Municipal Solid Waste Landfills. Under that law, the MPCA is required to create and periodically revise a priority list of qualified landfills, based on the relative health and environmental risks they present. The MPCA established the first such priority list in December, 1994.

Date of Government Version: 11/01/2005	Source: Minnesota Pollution Control Agency
Date Data Arrived at EDR: 12/14/2005	Telephone: 651-296-9543
Date Made Active in Reports: 01/26/2006	Source: Pollution Control Agency, GIS Section
Number of Days to Update: 43	Telephone: 651-296-7266
	Last EDR Contact: 09/22/2006
	Next Scheduled EDR Contact: 12/18/2006
	Data Release Frequency: Annually

LS: List of Sites

The List of Sites includes: Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), No Further Remedial Action Planned (NFRAP), National Priorities List (NPL), Permanent List of Priorities (PLP), sites delisted from the Permanent List of Priorities (DPLP), Hazardous Waste Permit Unit Project Facilities (HW PERM), List of Permitted Solid Waste Facilities (SW PERM), 1980 Metropolitan Area Waste Disposal Site Inventory (METRO), 1980 Statewide Outstate Dump Inventory (ODI), Voluntary and Investigation Program (VIC), and Closed Landfill Sites Undergoing Cleanup (LCP).

Date of Government Version: 06/02/2005	Source: Minnesota Pollution Control Agency
Date Data Arrived at EDR: 07/08/2005	Telephone: 651-297-2731
Date Made Active in Reports: 08/03/2005	Source: Pollution Control Agency, GIS Section
Number of Days to Update: 26	Telephone: 651-297-2731
	Last EDR Contact: 07/19/2006
	Next Scheduled EDR Contact: 10/16/2006
	Data Release Frequency: Semi-Annually

LUST: Leak Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 06/01/2006	Source: Minnesota Pollution Control Agency
Date Data Arrived at EDR: 06/07/2006	Telephone: 651-649-5451
Date Made Active in Reports: 07/25/2006	Last EDR Contact: 09/07/2006
Number of Days to Update: 48	Next Scheduled EDR Contact: 12/04/2006
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Underground Storage Tank Database

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

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 07/25/2006
Number of Days to Update: 48

Source: Minnesota Pollution Control Agency
Telephone: 651-649-5451
Last EDR Contact: 09/07/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Varies

LAST: Leaking Aboveground Storage Tanks

A listing of leaking aboveground storage tanks.

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 07/25/2006
Number of Days to Update: 48

Source: Pollution Control Agency
Telephone: 651-649-5451
Last EDR Contact: 09/07/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Semi-Annually

AST: Aboveground Storage Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 07/25/2006
Number of Days to Update: 48

Source: Minnesota Pollution Control Agency
Telephone: 651-296-0930
Last EDR Contact: 09/07/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Semi-Annually

LIENS: Environmental Liens

Sites included in the Site Remediation System Database that have Environmental Liens.

Date of Government Version: 07/06/2006
Date Data Arrived at EDR: 07/07/2006
Date Made Active in Reports: 08/14/2006
Number of Days to Update: 38

Source: Pollution Control Agency
Telephone: 602-282-5988
Last EDR Contact: 07/03/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Quarterly

BULK: Bulk Facilities Database

Facilities that use bulk pesticides and fertilizers

Date of Government Version: 06/06/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 07/25/2006
Number of Days to Update: 48

Source: Department of Agriculture
Telephone: 651-297-3997
Last EDR Contact: 09/07/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Semi-Annually

SPILLS: Spills Database

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/07/2006
Date Made Active in Reports: 07/25/2006
Number of Days to Update: 48

Source: Minnesota Pollution Control Agency
Telephone: 651-297-8617
Last EDR Contact: 09/07/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Quarterly

AG SPILLS: Department of Agriculture Spills

This data is a list of pesticide/fertilizer incidents reported to have occurred in Minnesota.

Date of Government Version: 06/08/2006
Date Data Arrived at EDR: 06/13/2006
Date Made Active in Reports: 07/25/2006
Number of Days to Update: 42

Source: Department of Agriculture
Telephone: 651-297-3997
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INST CONTROL: Site Remediation Section Database

Sites that have an Institutional Control event.

Date of Government Version: 07/06/2006	Source: Pollution Control Agency
Date Data Arrived at EDR: 07/07/2006	Telephone: 512-296-6300
Date Made Active in Reports: 08/14/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 38	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

VIC: Voluntary Investigation and Cleanup Program

Voluntary Investigation and Cleanup (VIC) Program List.

Date of Government Version: 07/06/2006	Source: Minnesota Pollution Control Agency
Date Data Arrived at EDR: 07/07/2006	Telephone: 651-296-7291
Date Made Active in Reports: 08/14/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 38	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

DRYCLEANERS: Registered Drycleaning Facilities

A listing of coin-operated laundries and drycleaning; drycleaning plants, except rug cleaning; and industrial laundries.

Date of Government Version: 07/10/2006	Source: Pollution Control Agency
Date Data Arrived at EDR: 07/11/2006	Telephone: 651-296-6300
Date Made Active in Reports: 08/14/2006	Last EDR Contact: 07/10/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/09/2006
	Data Release Frequency: Varies

BROWNFIELDS: Petroleum Brownfields Program Sites

Purchasing, selling, or developing property can present a special set of obstacles if the property is contaminated with chemicals. The Petroleum Brownfields Program is one of several programs within the Minnesota Pollution Control Agency (MPCA) designed to help people address these obstacles. The purpose of the Petroleum Brownfields Program is to provide the technical assistance and liability assurance needed to expedite and facilitate the development, transfer, investigation and/or cleanup of property that is contaminated with petroleum.

Date of Government Version: 09/01/2005	Source: Pollution Control Agency
Date Data Arrived at EDR: 11/10/2005	Telephone: 651-296-7999
Date Made Active in Reports: 12/14/2005	Last EDR Contact: 09/15/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 12/11/2006
	Data Release Frequency: Varies

CDL: Clandestine Drug Labs

This data was passively gathered. That is, the DOH asks law enforcement and other agencies to notify them of Clandestine Drug Labs (CDLs). They do not require reporting of events. Therefore the data represents only a subset of all CDLs. This data has not been verified. The DOH has made no attempt to verify that reported CDLs actually occurred. They have no knowledge if the CDL was involved in cooking or just consisted of chemicals associated with Meth production. The reports they receive are that a suspected CDL was seized.

Date of Government Version: 05/19/2006	Source: Department of Health
Date Data Arrived at EDR: 05/24/2006	Telephone: 651-215-5800
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 09/21/2006
Number of Days to Update: 22	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

ENFORCEMENT: Generators Associated with Enforcement Logs

Regulatory Compliance, Hazardous Waste Enforcement Log and Hazardous Waste Permit Unit Project Identification List.

Date of Government Version: 04/10/2006	Source: Minnesota Pollution Control Agency
Date Data Arrived at EDR: 05/15/2006	Telephone: 651-297-8332
Date Made Active in Reports: 06/15/2006	Last EDR Contact: 09/14/2006
Number of Days to Update: 31	Next Scheduled EDR Contact: 10/09/2006
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MN HWS PERMIT: Active TSD Facilities

Active TSD Facilities.

Date of Government Version: 04/01/2006
Date Data Arrived at EDR: 04/11/2006
Date Made Active in Reports: 05/09/2006
Number of Days to Update: 28

Source: Minnesota Pollution Control Agency
Telephone: 651-297-8470
Last EDR Contact: 07/10/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Annually

AIRS: Permit Contact List

A listing of permitted AIRS facilities.

Date of Government Version: 05/25/2006
Date Data Arrived at EDR: 05/26/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 20

Source: Pollution Control Agency
Telephone: 651-296-7351
Last EDR Contact: 09/18/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Varies

TIER 2: Tier 2 Facility Listing

A listing of facilities which store or manufacture hazardous materials that submit a chemical inventory report.

Date of Government Version: 04/11/2006
Date Data Arrived at EDR: 05/04/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 42

Source: Department of Public Safety
Telephone: 651-296-2233
Last EDR Contact: 09/05/2006
Next Scheduled EDR Contact: 12/04/2006
Data Release Frequency: Varies

TRIBAL RECORDS

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: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 08/11/2006
Next Scheduled EDR Contact: 11/06/2006
Data Release Frequency: Semi-Annually

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: 06/08/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 06/28/2006
Number of Days to Update: 19

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
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: 06/08/2006
Date Data Arrived at EDR: 06/09/2006
Date Made Active in Reports: 07/28/2006
Number of Days to Update: 49

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 06/23/2006
Date Made Active in Reports: 08/02/2006
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 08/21/2006
Next Scheduled EDR Contact: 11/20/2006
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2006	Source: EPA Region 7
Date Data Arrived at EDR: 07/10/2006	Telephone: 913-551-7003
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 64	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 06/06/2006	Source: EPA Region 8
Date Data Arrived at EDR: 06/09/2006	Telephone: 303-312-6271
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005	Source: EPA Region 6
Date Data Arrived at EDR: 01/21/2005	Telephone: 214-665-6597
Date Made Active in Reports: 02/28/2005	Last EDR Contact: 08/21/2006
Number of Days to Update: 38	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004	Source: EPA Region 5
Date Data Arrived at EDR: 12/29/2004	Telephone: 312-886-6136
Date Made Active in Reports: 02/04/2005	Last EDR Contact: 08/21/2006
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 06/06/2006	Source: EPA Region 8
Date Data Arrived at EDR: 06/09/2006	Telephone: 303-312-6137
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 06/08/2006	Source: EPA Region 10
Date Data Arrived at EDR: 06/09/2006	Telephone: 206-553-2857
Date Made Active in Reports: 07/28/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 06/08/2006	Source: EPA, Region 1
Date Data Arrived at EDR: 06/09/2006	Telephone: 617-918-1313
Date Made Active in Reports: 06/30/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 21	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 06/01/2006	Source: EPA Region 9
Date Data Arrived at EDR: 06/23/2006	Telephone: 415-972-3368
Date Made Active in Reports: 08/02/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 06/30/2006	Source: EPA Region 6
Date Data Arrived at EDR: 07/03/2006	Telephone: 214-665-7591
Date Made Active in Reports: 09/06/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

Date of Government Version: 06/01/2006	Source: EPA Region 7
Date Data Arrived at EDR: 07/10/2006	Telephone: 913-551-7003
Date Made Active in Reports: 09/12/2006	Last EDR Contact: 08/21/2006
Number of Days to Update: 64	Next Scheduled EDR Contact: 11/20/2006
	Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

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

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

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: 12/31/2004	Source: Department of Environmental Protection
Date Data Arrived at EDR: 02/17/2006	Telephone: 860-424-3375
Date Made Active in Reports: 04/07/2006	Last EDR Contact: 09/11/2006
Number of Days to Update: 49	Next Scheduled EDR Contact: 12/11/2006
	Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/01/2006
Date Data Arrived at EDR: 07/06/2006
Date Made Active in Reports: 08/01/2006
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/05/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 05/02/2006
Date Data Arrived at EDR: 05/31/2006
Date Made Active in Reports: 06/27/2006
Number of Days to Update: 27

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/30/2006
Next Scheduled EDR Contact: 11/27/2006
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 05/04/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 33

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 09/11/2006
Next Scheduled EDR Contact: 12/11/2006
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 09/30/2005
Date Data Arrived at EDR: 05/09/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 09/18/2006
Next Scheduled EDR Contact: 12/18/2006
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 46

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 07/25/2006
Next Scheduled EDR Contact: 10/09/2006
Data Release Frequency: Annually

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

Electric Power Transmission Line Data

Source: PennWell Corporation

Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

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

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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 Centers

Source: Department of Human Services

Telephone: 651-296-3971

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

STREET AND ADDRESS INFORMATION

© 2006 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

NAVY RESERVE CENTER DELUTH
5019 AIRPORT ROAD
HERMANTOWN, MN 55811

TARGET PROPERTY COORDINATES

Latitude (North):	46.83600 - 46° 50' 9.6"
Longitude (West):	92.2088 - 92° 12' 31.7"
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	560337.0
UTM Y (Meters):	5187025.0
Elevation:	1420 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	46092-G2 DULUTH HEIGHTS, MN
Most Recent Revision:	1993

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

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

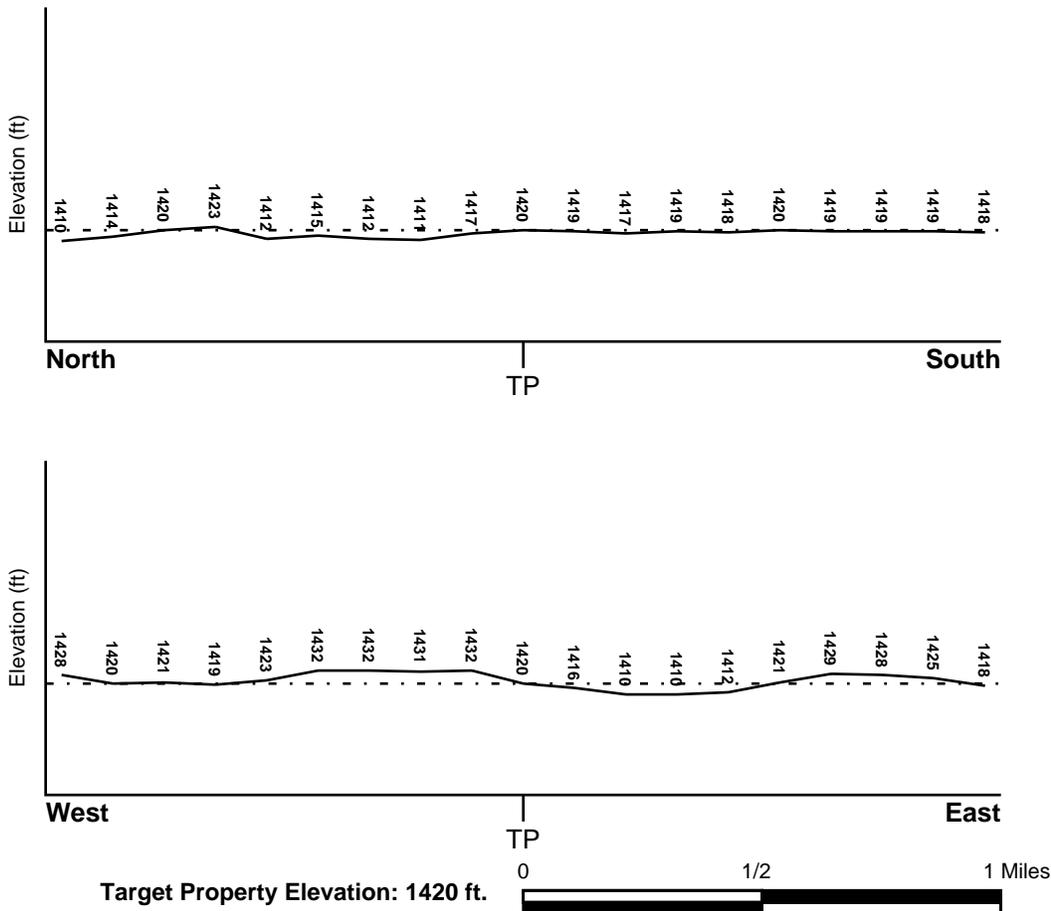
TOPOGRAPHIC INFORMATION

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

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ENE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

<u>Target Property County</u> ST LOUIS, MN	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	2707080003B
Additional Panels in search area:	2704210020B 2707080002B 2707080005B 2707080006B

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> DULUTH HEIGHTS	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
--	---

HYDROGEOLOGIC INFORMATION

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

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

Era: Precambrian
System: Precambrian
Series: Mafic intrusives
Code: Ymi (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

Category: Plutonic and Intrusive Rocks

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

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

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

Soil Component Name: AHMEEK
Soil Surface Texture: loam
Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
Soil Drainage Class: Not reported
Hydric Status: Soil does not meet the requirements for a hydric soil.
Corrosion Potential - Uncoated Steel: MODERATE
Depth to Bedrock Min: > 60 inches
Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	2 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50
2	2 inches	14 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50
3	14 inches	33 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 0.20 Min: 0.00	Max: 6.50 Min: 5.10
4	33 inches	60 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 0.06 Min: 0.00	Max: 7.30 Min: 6.10

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: fine sandy loam
muck
sandy loam
loamy fine sand
silt loam
mucky-peat

Surficial Soil Types: fine sandy loam
muck
sandy loam
loamy fine sand
silt loam
mucky-peat

Shallow Soil Types: sandy loam
mucky - silt loam
loam

Deeper Soil Types: sandy loam
muck
loam
sand

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

gravelly - sandy loam
stratified
hemic material
mucky-peat

LOCAL / REGIONAL WATER AGENCY RECORDS

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

WELL SEARCH DISTANCE INFORMATION

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS2575234	0 - 1/8 Mile SW
2	USGS2575243	1/8 - 1/4 Mile West
3	USGS2575258	1/8 - 1/4 Mile WNW
A4	USGS2575238	1/8 - 1/4 Mile West
5	USGS2575224	1/8 - 1/4 Mile SE
6	USGS2575221	1/4 - 1/2 Mile SSE
A7	USGS2575244	1/4 - 1/2 Mile West
8	USGS2575229	1/4 - 1/2 Mile WSW
B9	USGS2575225	1/4 - 1/2 Mile WSW
B10	USGS2575228	1/4 - 1/2 Mile WSW
11	USGS2575239	1/4 - 1/2 Mile West
B12	USGS2575222	1/4 - 1/2 Mile WSW
13	USGS2575216	1/4 - 1/2 Mile SE
14	USGS2575226	1/4 - 1/2 Mile WSW
15	USGS2575214	1/4 - 1/2 Mile SW
16	USGS2576773	1/4 - 1/2 Mile WNW
17	USGS2575215	1/2 - 1 Mile SE
C18	USGS2575253	1/2 - 1 Mile West
C19	USGS2575254	1/2 - 1 Mile West
D20	USGS2575197	1/2 - 1 Mile SSE
E21	USGS2575213	1/2 - 1 Mile ESE
E22	USGS2575212	1/2 - 1 Mile ESE
23	USGS2575205	1/2 - 1 Mile SW
D24	USGS2575196	1/2 - 1 Mile SSE
25	USGS2575184	1/2 - 1 Mile South
26	USGS2575193	1/2 - 1 Mile SSE
27	USGS2575079	1/2 - 1 Mile North
F28	USGS2575251	1/2 - 1 Mile West

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
F29	USGS2575255	1/2 - 1 Mile West
30	USGS2575235	1/2 - 1 Mile West
F31	USGS2575250	1/2 - 1 Mile West
G32	USGS2575210	1/2 - 1 Mile ESE
G33	USGS2575208	1/2 - 1 Mile ESE
34	USGS2575175	1/2 - 1 Mile SSW
35	USGS2575088	1/2 - 1 Mile NNW
H36	USGS2575164	1/2 - 1 Mile South
H37	USGS2575163	1/2 - 1 Mile South
38	USGS2575158	1/2 - 1 Mile South
39	USGS2575274	1/2 - 1 Mile WNW
40	USGS2575259	1/2 - 1 Mile West
41	USGS2575093	1/2 - 1 Mile North

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

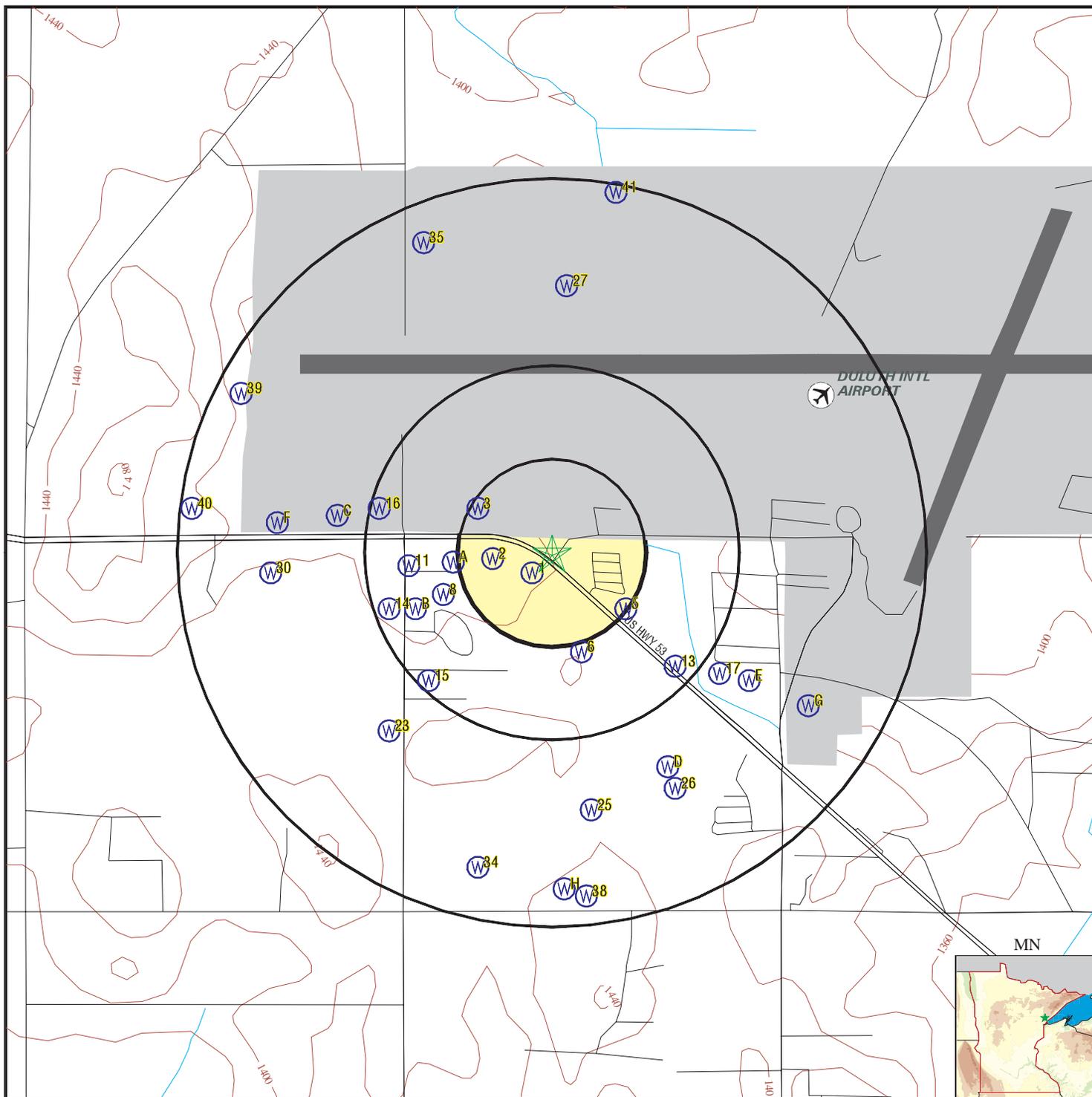
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

STATE DATABASE WELL INFORMATION

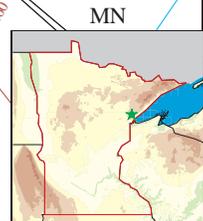
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 1760779.1s



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

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data



<p>SITE NAME: Navy Reserve Center Deluth ADDRESS: 5019 Airport Road Hermantown MN 55811 LAT/LONG: 46.8360 / 92.2088</p>	<p>CLIENT: Tetra Tech NUS, Inc. CONTACT: Rima Miley INQUIRY #: 1760779.1s DATE: September 22, 2006 12:56 pm</p>
--	--

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
SW
0 - 1/8 Mile
Higher

FED USGS USGS2575234

Agency cd:	USGS	Site no:	465007092123501
Site name:	050N15W11BAB		
Latitude:	465007		
Longitude:	921235	Dec lat:	46.83521778
Dec lon:	-92.20991222	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	NWNENWS11 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1428.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet, Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	13.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1957-09-16	Ground water data end date:	1957-09-16
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1957-09-16	7.60	

2
West
1/8 - 1/4 Mile
Higher

FED USGS USGS2575243

Agency cd:	USGS	Site no:	465009092124301
Site name:	050N15W11ABB		
Latitude:	465009		
Longitude:	921243	Dec lat:	46.83577333
Dec lon:	-92.21213444	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	NWNWNES11 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	1430.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet. Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19450101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	22.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1957-01-01	Ground water data end date:	1957-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1957-01-01	10.00	

3
WNW
1/8 - 1/4 Mile
Higher

FED USGS USGS2575258

Agency cd:	USGS	Site no:	465016092124601
Site name:	050N15W02CCD		
Latitude:	465016	Dec lat:	46.83771778
Longitude:	921246	Coor meth:	M
Dec lon:	-92.21296778	Latlong datum:	NAD27
Coor accr:	S	District:	27
Dec latlong datum:	NAD83	County:	137
State:	27	Land net:	SESWSWS2 T050N R15W
Country:	US	Map scale:	24000
Location map:	DULUTH HEIGHTS	Altitude method:	M
Altitude:	1430.00	Altitude datum:	NGVD29
Altitude accuracy:	5		
Hydrologic:	Cloquet. Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	20.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A4
West
1/8 - 1/4 Mile
Higher

FED USGS USGS2575238

Agency cd:	USGS	Site no:	465008092124901
Site name:	050N15W11BBA		
Latitude:	465008		
Longitude:	921249	Dec lat:	46.83549556
Dec lon:	-92.21380111	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	NENWNWS11 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1435.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet, Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19300101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	24.2	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

5
SE
1/8 - 1/4 Mile
Lower

FED USGS USGS2575224

Agency cd:	USGS	Site no:	465002092121601
Site name:	050N15W11ABC-1		
Latitude:	465002		
Longitude:	921216	Dec lat:	46.83382889
Dec lon:	-92.20463444	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	SWNWNES11 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1415.00	Altitude method:	M
Altitude accuracy:	75	Altitude datum:	NGVD29
Hydrologic:	Cloquet, Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19500101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	17.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1957-01-01	Ground water data end date:	1957-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1957-01-01	0.00	

6
SSE
1/4 - 1/2 Mile
Higher

FED USGS USGS2575221

Agency cd:	USGS	Site no:	464956092122501
Site name:	050N15W11BDA		
Latitude:	464956		
Longitude:	921225	Dec lat:	46.83216222
Dec lon:	-92.20713444	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	NESENWS11 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1423.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet, Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19120101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	16.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1957-01-01	Ground water data end date:	1957-01-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1957-01-01	5.00	

A7
West
1/4 - 1/2 Mile
Higher

FED USGS USGS2575244

Agency cd:	USGS	Site no:	465009092125301
Site name:	050N15W11BBB-2		
Latitude:	465009		
Longitude:	921253	Dec lat:	46.83577333
Dec lon:	-92.21491222	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	NWNWNWS11 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1430.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet. Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19200101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	30.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1957-01-01	Ground water data end date:	1957-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1957-01-01	20.00	

8
WSW
1/4 - 1/2 Mile
Higher

FED USGS USGS2575229

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	465004092125303
Site name:	050N15W11BBC03		
Latitude:	465004		
Longitude:	921253	Dec lat:	46.83438444
Dec lon:	-92.21491222	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	SWNWNWS11 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1440.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet. Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19540101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	30.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Real time data flag:	0	Project number:	Not Reported
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data begin date:	0000-00-00
Ground water data begin date:	1957-01-01	Water quality data count:	0
Ground water data count:	1	Ground water data end date:	1957-01-01

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1957-01-01	15.00	

**B9
WSW
1/4 - 1/2 Mile
Higher**

FED USGS USGS2575225

Agency cd:	USGS	Site no:	465002092125701
Site name:	050N15W11BBC		
Latitude:	465002		
Longitude:	921257	Dec lat:	46.83382889
Dec lon:	-92.21602333	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	SWNWNWS11 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1435.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet. Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19550101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	21.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1957-01-01	Ground water data end date:	1957-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1957-01-01	0.00	

B10
WSW
1/4 - 1/2 Mile
Higher

FED USGS USGS2575228

Agency cd:	USGS	Site no:	465003092125801
Site name:	050N15W11CBB-2		
Latitude:	465003		
Longitude:	921258	Dec lat:	46.83410667
Dec lon:	-92.21630111	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	NWNWSWS11 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1430.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet, Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19390101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	27.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1957-01-01	Ground water data end date:	1957-01-01
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1957-01-01	17.00	

11
West
1/4 - 1/2 Mile
Higher

FED USGS USGS2575239

Agency cd:	USGS	Site no:	465008092130001
Site name:	050N15W11BBB-1		
Latitude:	465008		
Longitude:	921300	Dec lat:	46.83549556
Dec lon:	-92.21685667	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	NWNWNWS11 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1430.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet. Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19400201
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	30.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1955-10-01	Ground water data end date:	1955-10-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1955-10-01	17.00	

B12
WSW
1/4 - 1/2 Mile
Higher

FED USGS USGS2575222

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	465001092130102
Site name:	050N15W10DAA02		
Latitude:	465001		
Longitude:	921301	Dec lat:	46.83355111
Dec lon:	-92.21713444	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	NENESES10 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1420.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet. Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	20.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Real time data flag:	Not Reported		
Daily flow data begin date:	Not Reported		
Daily flow data end date:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data count:	Not Reported		
Water quality data end date:	Not Reported		
Water quality data count:	Not Reported		
Ground water data begin date:	Not Reported		
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**13
SE
1/4 - 1/2 Mile
Lower**

FED USGS USGS2575216

Agency cd:	USGS	Site no:	464954092120601
Site name:	050N15W12BCB		
Latitude:	464954		
Longitude:	921206	Dec lat:	46.83160667
Dec lon:	-92.20185667	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	NWSWNWS12 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1410.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet. Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	16.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Real time data flag:	0	Project number:	Not Reported
Daily flow data begin date:	0000-00-00	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date:0000-00-00
 Ground water data begin date: 1957-01-01
 Ground water data count: 1

Water quality data begin date: 0000-00-00
 Water quality data count: 0
 Ground water data end date: 1957-01-01

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
----- 1957-01-01	5.00	

14
WSW
1/4 - 1/2 Mile
Higher

FED USGS USGS2575226

Agency cd:	USGS	Site no:	465002092130401
Site name:	050N15W10AAD		
Latitude:	465002		
Longitude:	921304	Dec lat:	46.83382889
Dec lon:	-92.21796778	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	SENES10 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1430.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet. Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	30.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1957-01-01	Ground water data end date:	1957-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
----- 1957-01-01	15.00	

15
SW
1/4 - 1/2 Mile
Lower

FED USGS USGS2575214

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	464952092125601
Site name:	050N15W23AAB		
Latitude:	464952		
Longitude:	921256	Dec lat:	46.83105111
Dec lon:	-92.21574556	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	NWNESES23 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1380.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet. Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	16.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Real time data flag:	0	Project number:	Not Reported
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data begin date:	0000-00-00
Ground water data begin date:	1957-01-01	Water quality data count:	0
Ground water data count:	1	Ground water data end date:	1957-01-01

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1957-01-01	6.00	

**16
WNW
1/4 - 1/2 Mile
Higher**

FED USGS USGS2576773

Agency cd:	USGS	Site no:	460516092130601
Site name:	050N15W03DDD		
Latitude:	465016		
Longitude:	921306	Dec lat:	46.83771778
Dec lon:	-92.21852333	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	SESESES3 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1430.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet. Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19570101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	160	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1957-01-01	Ground water data end date:	1957-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1957-01-01	2.00	

**17
SE
1/2 - 1 Mile
Lower**

FED USGS USGS2575215

Agency cd:	USGS	Site no:	464953092115701
Site name:	050N15W11ADC		
Latitude:	464953		
Longitude:	921157	Dec lat:	46.83132889
Dec lon:	-92.19935667	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	SWSENES11 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1407.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet, Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19660426
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	42.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

C18
West
1/2 - 1 Mile
Higher

FED USGS USGS2575253

Agency cd:	USGS	Site no:	465015092131302
Site name:	050N15W03DDD02		
Latitude:	465015		
Longitude:	921313	Dec lat:	46.83744
Dec lon:	-92.22046778	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	SESESES3 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1420.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet, Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19530101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	40.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1955-01-01	Ground water data end date:	1955-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1955-01-01	15.00	

C19
West
1/2 - 1 Mile
Higher

FED USGS USGS2575254

Agency cd:	USGS	Site no:	465015092131601
Site name:	050N15W03DDC-2		
Latitude:	465015		
Longitude:	921316	Dec lat:	46.83744
Dec lon:	-92.22130111	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	SWSESES3 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	1418.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet. Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19520101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	23.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

D20
SSE
1/2 - 1 Mile
Lower

FED USGS USGS2575197

Agency cd:	USGS	Site no:	464941092120903
Site name:	050N15W12CBB03		
Latitude:	464941		
Longitude:	921209	Dec lat:	46.82799556
Dec lon:	-92.20269	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	139
Country:	US	Land net:	NWNWSWS12 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1410.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet. Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19560101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	159	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

E21
ESE
1/2 - 1 Mile
Lower

FED USGS USGS2575213

Agency cd:	USGS	Site no:	464952092115103
Site name:	050N15W11ADD03		
Latitude:	464952		
Longitude:	921151	Dec lat:	46.83105111
Dec lon:	-92.19769	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	SESENES11 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1406.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet, Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19670803
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	43.2	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Real time data flag:	Not Reported		
Daily flow data begin date:	Not Reported		
Daily flow data end date:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data count:	Not Reported		
Water quality data begin date:	Not Reported		
Water quality data end date:	Not Reported		
Ground water data begin date:	Not Reported		
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

E22
ESE
1/2 - 1 Mile
Lower

FED USGS USGS2575212

Agency cd:	USGS	Site no:	464952092115102
Site name:	050N15W11ADD02		
Latitude:	464952		
Longitude:	921151	Dec lat:	46.83105111
Dec lon:	-92.19769	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	SESENES11 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1406.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet, Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	50.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**23
SW
1/2 - 1 Mile
Lower**

FED USGS USGS2575205

Agency cd:	USGS	Site no:	464945092130401
Site name:	050N15W10DAA		
Latitude:	464945		
Longitude:	921304	Dec lat:	46.82910694
Dec lon:	-92.21796806	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	NENESES10 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1420.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet, Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	21.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1957-01-01	Ground water data end date:	1957-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1957-01-01	13.00	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D24
SSE
1/2 - 1 Mile
Lower

FED USGS USGS2575196

Agency cd:	USGS	Site no:	464939092120602
Site name:	050N15W12CBB02		
Latitude:	464939		
Longitude:	921206	Dec lat:	46.82744
Dec lon:	-92.20185667	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	NWNWSWS12 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1410.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet, Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19550101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	30.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Real time data flag:	Not Reported		
Daily flow data begin date:	Not Reported		
Daily flow data end date:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data count:	Not Reported		
Water quality data begin date:	Not Reported		
Water quality data end date:	Not Reported		
Ground water data begin date:	Not Reported		
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

25
South
1/2 - 1 Mile
Lower

FED USGS USGS2575184

Agency cd:	USGS	Site no:	464934092122301
Site name:	050N15W11DCC		
Latitude:	464934		
Longitude:	921223	Dec lat:	46.82605111
Dec lon:	-92.20657889	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	SWSWSES11 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1402.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet, Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19370101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	36.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

26
SSE
1/2 - 1 Mile
Lower

FED USGS USGS2575193

Agency cd:	USGS	Site no:	464937092120601
Site name:	050N15W11DAD		
Latitude:	464937		
Longitude:	921206	Dec lat:	46.82688444
Dec lon:	-92.20185667	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	SENESES11 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1410.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	St. Louis, Minnesota, Wisconsin. Area = 3010 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19571028
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	26.5	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

27
North
1/2 - 1 Mile
Lower

FED USGS USGS2575079

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	465047092122801
Site name:	050N15W02BDA		
Latitude:	465047		
Longitude:	921228	Dec lat:	46.84632861
Dec lon:	-92.2079675	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	NESENWS2 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1414.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet. Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19300101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	19.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Real time data flag:	Not Reported		
Daily flow data begin date:	Not Reported		
Daily flow data end date:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data count:	Not Reported		
Water quality data end date:	Not Reported		
Water quality data count:	Not Reported		
Ground water data begin date:	Not Reported		
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**F28
West
1/2 - 1 Mile
Higher**

FED USGS USGS2575251

Agency cd:	USGS	Site no:	465014092132501
Site name:	050N15W03DCD		
Latitude:	465014		
Longitude:	921325	Dec lat:	46.83716222
Dec lon:	-92.22380111	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	SESWSSES3 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1415.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet. Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19390101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	22.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Real time data flag:	0		
Daily flow data begin date:	0000-00-00	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0	Water quality data begin date: 0000-00-00
Water quality data end date: 0000-00-00	Water quality data count: 0
Ground water data begin date: 1957-01-01	Ground water data end date: 1957-01-01
Ground water data count: 1	

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1957-01-01	17.00	

F29
West
1/2 - 1 Mile
Higher

FED USGS USGS2575255

Agency cd: USGS	Site no: 465015092132702		
Site name: 050N15W03DCD02			
Latitude: 465015			
Longitude: 921327	Dec lat: 46.83744		
Dec lon: -92.22435667	Coor meth: M		
Coor accr: S	Latlong datum: NAD27		
Dec latlong datum: NAD83	District: 27		
State: 27	County: 137		
Country: US	Land net: SESWSES3 T050N R15W		
Location map: DULUTH HEIGHTS	Map scale: 24000		
Altitude: 1430.00	Altitude method: M		
Altitude accuracy: 5	Altitude datum: NGVD29		
Hydrologic: Cloquet. Minnesota. Area = 796 sq.mi.			
Topographic: Not Reported			
Site type: Ground-water other than Spring	Date construction: 19520101		
Date inventoried: Not Reported	Mean greenwich time offset: CST		
Local standard time flag: Y			
Type of ground water site: Single well, other than collector or Ranney type			
Aquifer Type: Not Reported			
Aquifer: Not Reported			
Well depth: 18.0	Hole depth: Not Reported		
Source of depth data: Not Reported	Project number: Not Reported		
Real time data flag: 0	Daily flow data begin date: 0000-00-00		
Daily flow data end date: 0000-00-00	Daily flow data count: 0		
Peak flow data begin date: 0000-00-00	Peak flow data end date: 0000-00-00		
Peak flow data count: 0	Water quality data begin date: 0000-00-00		
Water quality data end date: 0000-00-00	Water quality data count: 0		
Ground water data begin date: 1957-01-01	Ground water data end date: 1957-01-01		
Ground water data count: 1			

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1957-01-01	10.00	

30
West
1/2 - 1 Mile
Lower

FED USGS USGS2575235

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	465007092132801
Site name:	050N15W10AAB		
Latitude:	465007		
Longitude:	921328	Dec lat:	46.83521778
Dec lon:	-92.22463444	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	NWNESES10 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1420.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet. Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19571001
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	16.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Real time data flag:	Not Reported		
Daily flow data begin date:	Not Reported		
Daily flow data end date:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data count:	Not Reported		
Water quality data end date:	Not Reported		
Water quality data count:	Not Reported		
Ground water data begin date:	Not Reported		
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**F31
West
1/2 - 1 Mile
Higher**

FED USGS USGS2575250

Agency cd:	USGS	Site no:	465013092132801
Site name:	050N15W03CCD-2		
Latitude:	465013		
Longitude:	921328	Dec lat:	46.83688444
Dec lon:	-92.22463444	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	SESWSWS3 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1440.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet. Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19500101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	31.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Real time data flag:	Not Reported		
Daily flow data begin date:	Not Reported		
Daily flow data end date:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data count:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: Not Reported
 Water quality data end date: Not Reported
 Ground water data begin date: Not Reported
 Ground water data count: Not Reported

Water quality data begin date: Not Reported
 Water quality data count: Not Reported
 Ground water data end date: Not Reported

Ground-water levels, Number of Measurements: 0

G32
ESE
1/2 - 1 Mile
Lower

FED USGS USGS2575210

Agency cd:	USGS	Site no:	464949092114101
Site name:	050N15W12BDD		
Latitude:	464949		
Longitude:	921141	Dec lat:	46.83021778
Dec lon:	-92.19491194	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	SESENWS12 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1420.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	St. Louis, Minnesota, Wisconsin. Area = 3010 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	18.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Real time data flag:	0	Project number:	Not Reported
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data begin date:	0000-00-00
Ground water data begin date:	1957-01-01	Water quality data count:	0
Ground water data count:	1	Ground water data end date:	1957-01-01

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
----- 1957-01-01	8.00	

G33
ESE
1/2 - 1 Mile
Lower

FED USGS USGS2575208

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	464948092113701
Site name:	050N15W12CBB		
Latitude:	464948		
Longitude:	921137	Dec lat:	46.82994
Dec lon:	-92.19380083	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	NWNWSWS12 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1400.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	St. Louis. Minnesota, Wisconsin. Area = 3010 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19570101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	123	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Real time data flag:	0	Project number:	Not Reported
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data begin date:	0000-00-00
Ground water data begin date:	1957-01-01	Water quality data count:	0
Ground water data count:	1	Ground water data end date:	1957-01-01

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1957-01-01	80.00	

34
SSW
1/2 - 1 Mile
Lower

FED USGS USGS2575175

Agency cd:	USGS	Site no:	464926092124601
Site name:	050N15W11CCD-2		
Latitude:	464926		
Longitude:	921246	Dec lat:	46.82382917
Dec lon:	-92.21296806	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	SESWSWS11 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1430.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet. Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	18.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**35
NNW
1/2 - 1 Mile
Higher**

FED USGS USGS2575088

Agency cd:	USGS	Site no:	465053092125701
Site name:	050N15W02CBB		
Latitude:	465053		
Longitude:	921257	Dec lat:	46.84799528
Dec lon:	-92.21602306	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	NWNWSWS2 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1424.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet, Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19460101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	20.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**H36
South
1/2 - 1 Mile
Higher**

FED USGS USGS2575164

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	464923092122901
Site name:	050N15W11CDD		
Latitude:	464923		
Longitude:	921229	Dec lat:	46.82299583
Dec lon:	-92.20824583	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	SESEWS11 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1400.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	St. Louis, Minnesota, Wisconsin. Area = 3010 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19370101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	22.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Real time data flag:	0	Project number:	Not Reported
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data begin date:	0000-00-00
Ground water data begin date:	1956-05-01	Water quality data count:	0
Ground water data count:	1	Ground water data end date:	1956-05-01

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1956-05-01	5.00	

**H37
South
1/2 - 1 Mile
Higher**

FED USGS USGS2575163

Agency cd:	USGS	Site no:	464923092122802
Site name:	050N15W11CDD02		
Latitude:	464923		
Longitude:	921228	Dec lat:	46.82299583
Dec lon:	-92.20796806	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	SESEWS11 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1410.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	St. Louis, Minnesota, Wisconsin. Area = 3010 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19370101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	24.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

38
South
1/2 - 1 Mile
Higher

FED USGS USGS2575158

Agency cd:	USGS	Site no:	464922092122403
Site name:	050N15W11DDC03		
Latitude:	464922		
Longitude:	921224	Dec lat:	46.82271778
Dec lon:	-92.20685667	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	SWSESES11 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1410.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	St. Louis, Minnesota, Wisconsin. Area = 3010 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19370101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	25.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

39
WNW
1/2 - 1 Mile
Higher

FED USGS USGS2575274

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	465032092133401
Site name:	050N15W03DBB		
Latitude:	465032		
Longitude:	921334	Dec lat:	46.84216222
Dec lon:	-92.22630111	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	NWNWSES3 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1445.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet. Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19571001
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	15.8	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Real time data flag:	0	Project number:	Not Reported
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data begin date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data begin date:	0000-00-00
Ground water data begin date:	1957-10-01	Water quality data count:	0
Ground water data count:	1	Ground water data end date:	1957-10-01

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1957-10-01	15.80	

**40
West
1/2 - 1 Mile
Higher**

FED USGS USGS2575259

Agency cd:	USGS	Site no:	465016092134401
Site name:	050N15W03DDC-3		
Latitude:	465016		
Longitude:	921344	Dec lat:	46.83771778
Dec lon:	-92.22907889	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	SWSESES3 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1455.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet. Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19340101
Date inventoried:	Not Reported	Mean greenwich time offset:	CST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	34.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1957-01-01	Ground water data end date:	1957-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1957-01-01	23.00	

41
North
1/2 - 1 Mile
Lower

FED USGS USGS2575093

Agency cd:	USGS	Site no:	465100092121801
Site name:	050N15W02ABB		
Latitude:	465100		
Longitude:	921218	Dec lat:	46.84993972
Dec lon:	-92.20518972	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	27
State:	27	County:	137
Country:	US	Land net:	NWNWNES2 T050N R15W
Location map:	DULUTH HEIGHTS	Map scale:	24000
Altitude:	1412.00	Altitude method:	M
Altitude accuracy:	5	Altitude datum:	NGVD29
Hydrologic:	Cloquet, Minnesota. Area = 796 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19571001
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	22.0	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: MN Radon

Radon Test Results

County	Num Sites	< Pci/L	>= 4 Pci/L	% >= 4 Pci/L
ST. LOUIS	857	717	140	16%

Federal EPA Radon Zone for ST. LOUIS County: 2

- Note: Zone 1 indoor average level > 4 pCi/L.
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 55811

Number of sites tested: 8

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.875 pCi/L	75%	25%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

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

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Minnesota Groundwater Database

Source: Minnesota Geological Survey County Water Well Index (CWI)

Telephone: 612-627-4780

OTHER STATE DATABASE INFORMATION

RADON

State Database: MN Radon

Source: Department of Health

Telephone: 651-215-0909

Radon Test Results

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

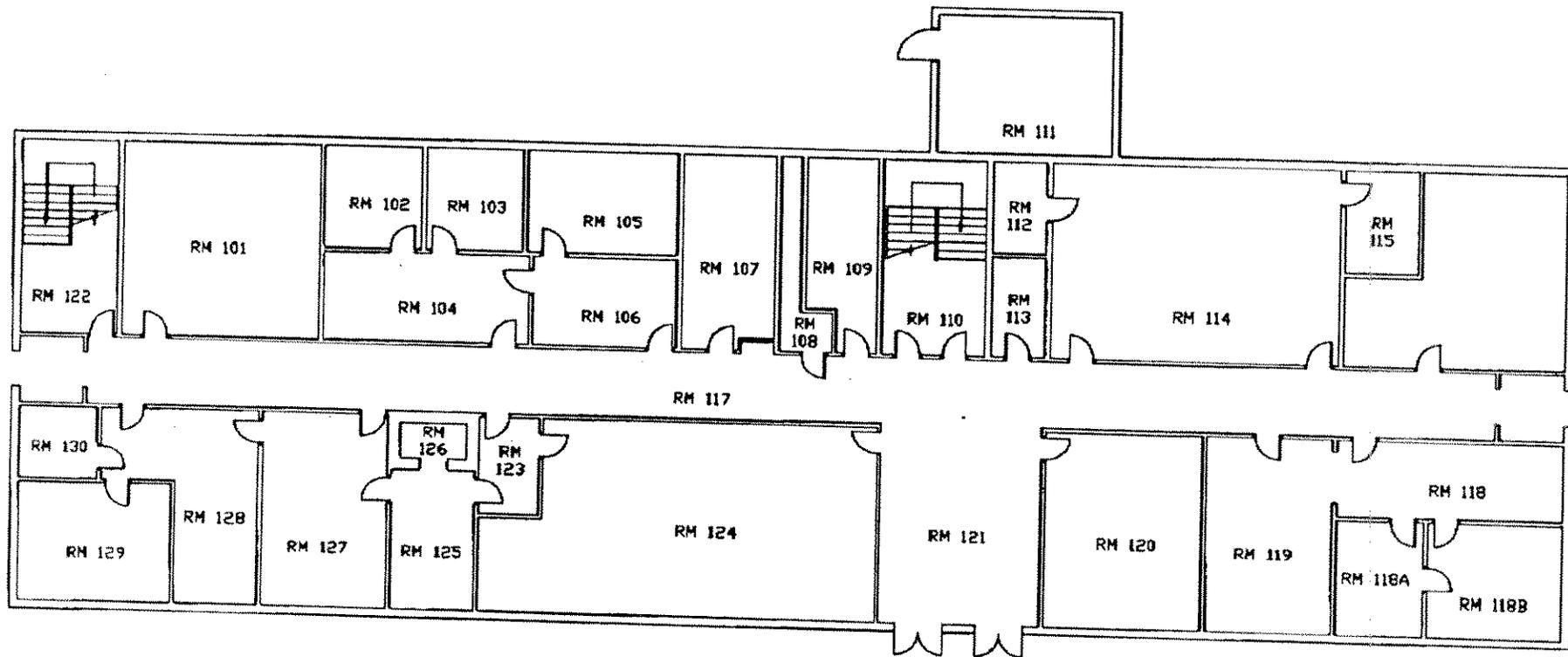
Source: Department of Commerce, National Oceanic and Atmospheric Administration

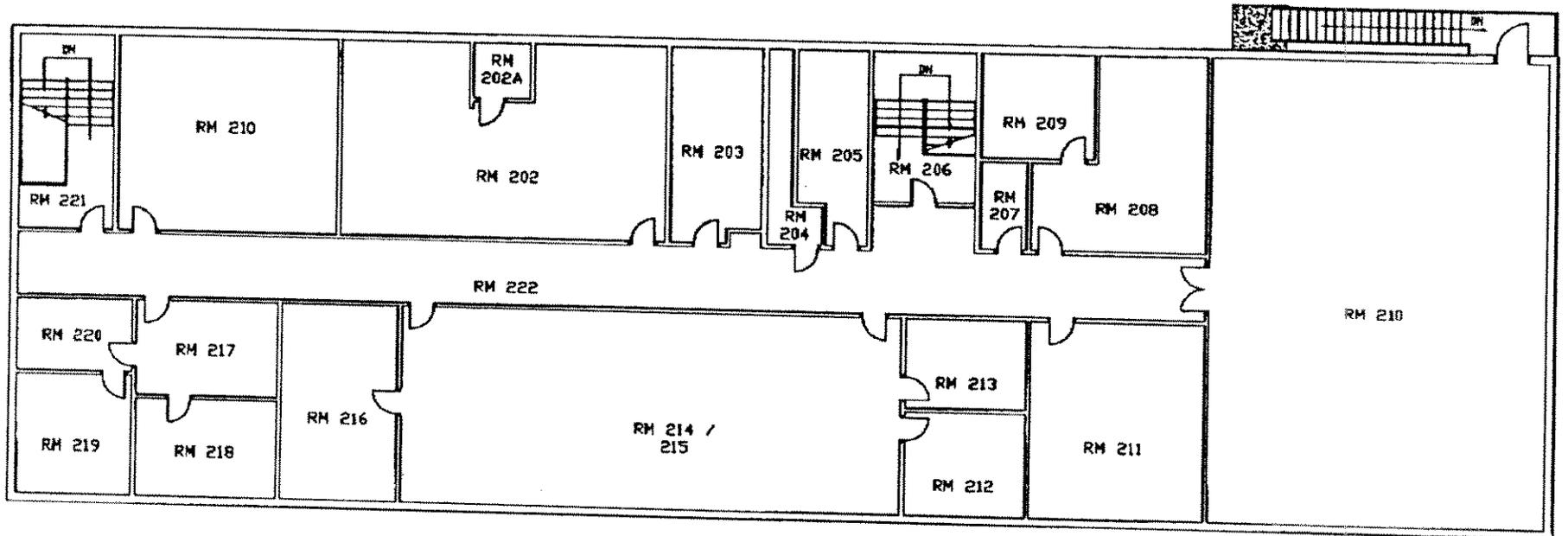
STREET AND ADDRESS INFORMATION

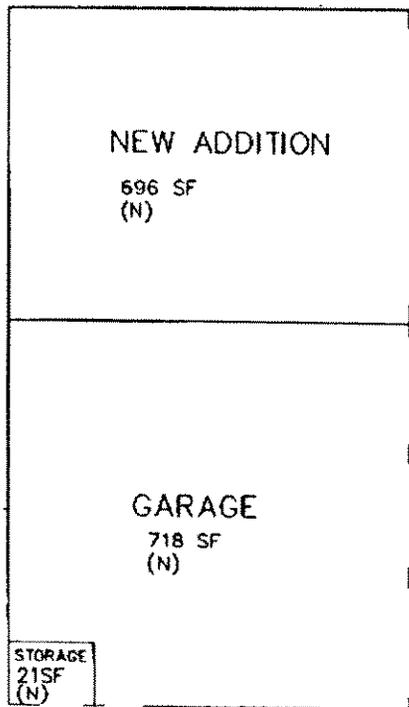
© 2006 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

Floor Plans

Floor Plans

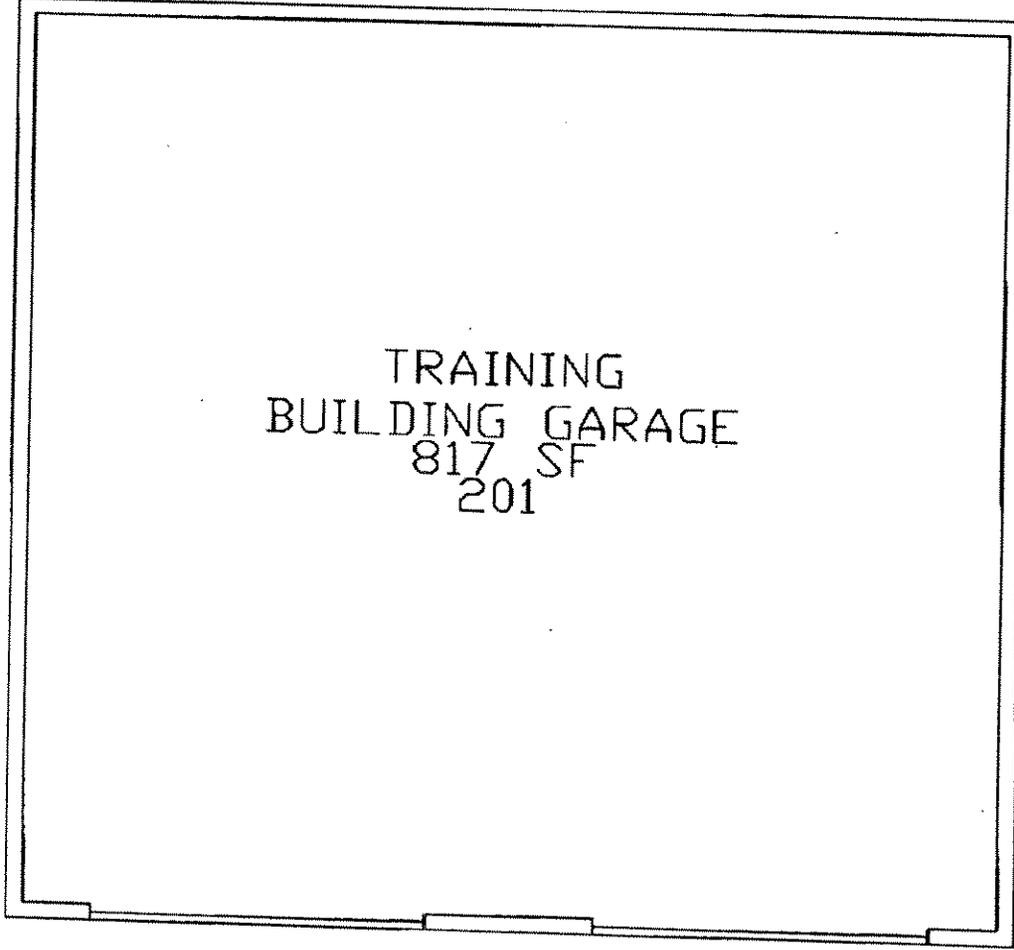






 FIRST FLOOR

F.P.M. DRAWING NO. DULO2A	NAVAL RESERVE READINESS COMMAND NORON DERRIS FACILITIES PLANNING AND MAINTENANCE <small>NAVAL TRAINING CENTER, GREAT LAKES WILSON</small>
COPIED FROM:	NRC DULUTH, MN BUILDING #2, FIRST FLOOR
DRAWN: BUI CARROLL	FLOOR PLAN
CHECKED:	DATE: 950525 SCALE: 1/8 SHEET OF
APPROVED:	
REVISION:	

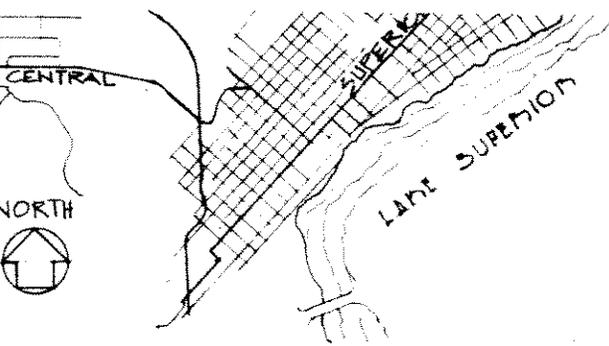
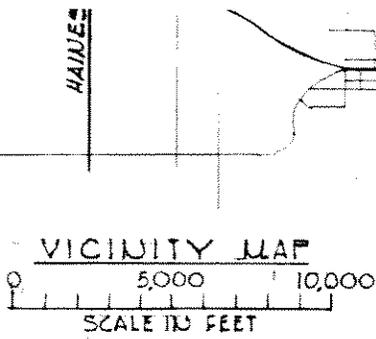


128	Main Level	101	Active Duty Admin	Navy	346	Duluth 128 - Reserve Center
128	Main Level	102	Medical Exam	JOINT		Duluth 128 - Reserve Center
128	Main Level	103	Doctor Office	JOINT		Duluth 128 - Reserve Center
128	Main Level	104	Medical Office	JOINT		Duluth 128 - Reserve Center
128	Main Level	105	Medical Office	JOINT		Duluth 128 - Reserve Center
128	Main Level	106	Medical Office	JOINT		Duluth 128 - Reserve Center
128	Main Level	107	Male Head	JOINT		Duluth 128 - Reserve Center
128	Main Level	108	Maintenance Hall	JOINT		Duluth 128 - Reserve Center
128	Main Level	109	Female Head	JOINT		Duluth 128 - Reserve Center
128	Main Level	110	Stairs	JOINT		Duluth 128 - Reserve Center
128	Main Level	111	Mech Equip	JOINT		Duluth 128 - Reserve Center
128	Main Level	112	Storage	Navy		Duluth 128 - Reserve Center
128	Main Level	113	Active Duty Admin	Navy		Duluth 128 - Reserve Center
128	Main Level	114	Training Office	Navy		Duluth 128 - Reserve Center
128	Main Level	115	Clothing Storeroom	Navy		Duluth 128 - Reserve Center
128	Main Level	116	Supply Office	Navy	315	Duluth 128 - Reserve Center
128	Main Level	117	Corridor	JOINT	854	Duluth 128 - Reserve Center
128	Main Level	118	Exercise Room	JOINT		Duluth 128 - Reserve Center
128	Main Level	118A	Exercise Room	JOINT		Duluth 128 - Reserve Center
128	Main Level	118B	Exercise Room	JOINT		Duluth 128 - Reserve Center
128	Main Level	119	Active Duty Admin	Navy		Duluth 128 - Reserve Center
128	Main Level	120	Training Library	Navy		Duluth 128 - Reserve Center
128	Main Level	121	Quarterdeck	JOINT		Duluth 128 - Reserve Center
128	Main Level	122	Stairs	JOINT		Duluth 128 - Reserve Center
128	Main Level	123	Access Room	JOINT		Duluth 128 - Reserve Center
128	Main Level	124	Active Duty Admin	Navy		Duluth 128 - Reserve Center
128	Main Level	125	Copy Room	Navy		Duluth 128 - Reserve Center
128	Main Level	126	Safe	Navy		Duluth 128 - Reserve Center
128	Main Level	127	Break Room	JOINT		Duluth 128 - Reserve Center
128	Main Level	128	Conference Room	JOINT		Duluth 128 - Reserve Center
128	Main Level	129	CO Office	Navy		Duluth 128 - Reserve Center
128	Main Level	130	Janitor Storage	JOINT		Duluth 128 - Reserve Center
128	Second	201	Classroom	JOINT		Duluth 128 - Reserve Center
128	Second	202	Classroom	JOINT		Duluth 128 - Reserve Center
128	Second	202A	Storage	Navy		Duluth 128 - Reserve Center
128	Second	203	Male Head	JOINT		Duluth 128 - Reserve Center
128	Second	204	Maintenance Hall	JOINT		Duluth 128 - Reserve Center
128	Second	205	Female Head	JOINT		Duluth 128 - Reserve Center
128	Second	206	Stairs	JOINT		Duluth 128 - Reserve Center
128	Second	207	Audio Visual Storage	Navy		Duluth 128 - Reserve Center
128	Second	208	Unit Admin	Navy		Duluth 128 - Reserve Center
128	Second	209	Unit Admin	Navy		Duluth 128 - Reserve Center
128	Second	210	Asseby Hall	JOINT		Duluth 128 - Reserve Center
128	Second	211	Unit Admin	Navy		Duluth 128 - Reserve Center
128	Second	212	Classroom	JOINT		Duluth 128 - Reserve Center
128	Second	213	Classroom	JOINT		Duluth 128 - Reserve Center

Building	Floor	Room No.	Room Name	Usage	Location
128	Second	214	Classroom	JOINT	Duluth 128 - Reserve Center
128	Second	215	Classroom	JOINT	Duluth 128 - Reserve Center
128	Second	216	Chiefs Mess	JOINT	Duluth 128 - Reserve Center
128	Second	217	Classroom	JOINT	Duluth 128 - Reserve Center
128	Second	218	Classroom	JOINT	Duluth 128 - Reserve Center
128	Second	219	Classroom	JOINT	Duluth 128 - Reserve Center
128	Second	220	Classroom	JOINT	Duluth 128 - Reserve Center
128	Second	221	Stairs	JOINT	Duluth 128 - Reserve Center
128	Second	222	Corridor	JOINT	Duluth 128 - Reserve Center
131					Duluth 131 - Garage
201	Main Level	1	Garage	Navy	Duluth 201 - Training
201	Main Level	2	Garage	Navy	Duluth 201 - Training
201	Main Level	3	Storage	Navy	Duluth 201 - Training

Naval Reserve Center, Duluth, Minnesota
CERFA Identification of Uncontaminated Property

Historic Engineering Drawings



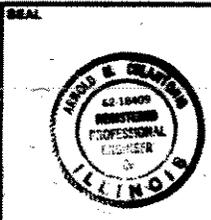
INDEX TO DRAWINGS			
NAVFAC DRAWING NO.	P.W.C. DRAWING NO.	SHEET NO.	DESCRIPTION
2072212	DU-12-831	G-1	INDEX TO DRAWINGS, SITE PLAN, LOCATION MAPS, SYMBOL & ABBREVIATION LISTS
2072213	DU-12-832	A-1	FIRST FLOOR PLAN, ELEVATIONS & SECTIONS
2072214	DU-12-833	A-2	SECOND FLOOR PLAN & SECTIONS
2072215	DU-12-834	A-3	BUILDING ELEVATIONS & DETAILS
2072216	DU-12-835	A-4	SECOND FLOOR REFLECTED CEILING PLAN, GARAGE PLANS, ELEVATIONS, SECTIONS & DETAILS
2072217	DU-12-836	A-5	ROOM FINISH & DOOR SCHEDULES & DETAILS
2072218	DU-12-837	M-1	BOILER ROOM & GARAGE PLANS & SECTION, EQUIPMENT SCHEDULES, SYMBOLS & ABBREVIATIONS
2072219	DU-12-838	P-1	FIRST & SECOND FLOOR PLANS & PIPING DIAGRAMS
2072220	DU-12-839	MP-1	EXISTING EQUIPMENT ROOM PLAN & EXISTING PIPING DIAGRAMS
2072221	DU-12-8310	E-1	FIRST & SECOND FLOOR REMOVAL & NEW WORK PLANS, GARAGE & EQUIPMENT ROOM PLANS
2072233	DU-12-8311	E-2	ELECTRICAL DIAGRAMS, SYMBOLS, SCHEDULES, & GENERAL NOTES

*Benowitz NRC
726 2590 MASTER PLANS*

APPROVE
EOM
MISSION TITLE

CHECK GRAPHIC SCALES BEFORE USING

DOLIO AND METZ LTD
ARCHITECTS AND ENGINEERS
200 E. LA SALLE STREET - CHICAGO, ILLINOIS
S&M PROJECT NO. 20222



P.W.C. DING. NO. DU-12-831

DR. BY: [Signature] A-86308

LEAD CODE: []

CIVIL/STR. []

MECH. []

ELECT. []

ARCH. [] SKA

DATE: 12/20/81

APPROVED: [Signature] DATE: 12/20/81

COMMANDED BY: [Signature] DATE: 12/20/81

APPROVED FOR COMMAND: [Signature] DATE: 12/20/81

EPS FOR COMMANDER: MPEC

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND

NAVY PUBLIC WORKS CENTER, GREAT LAKES, ILL.

NAVAL RESERVE CENTER (AFB) DULUTH, MN

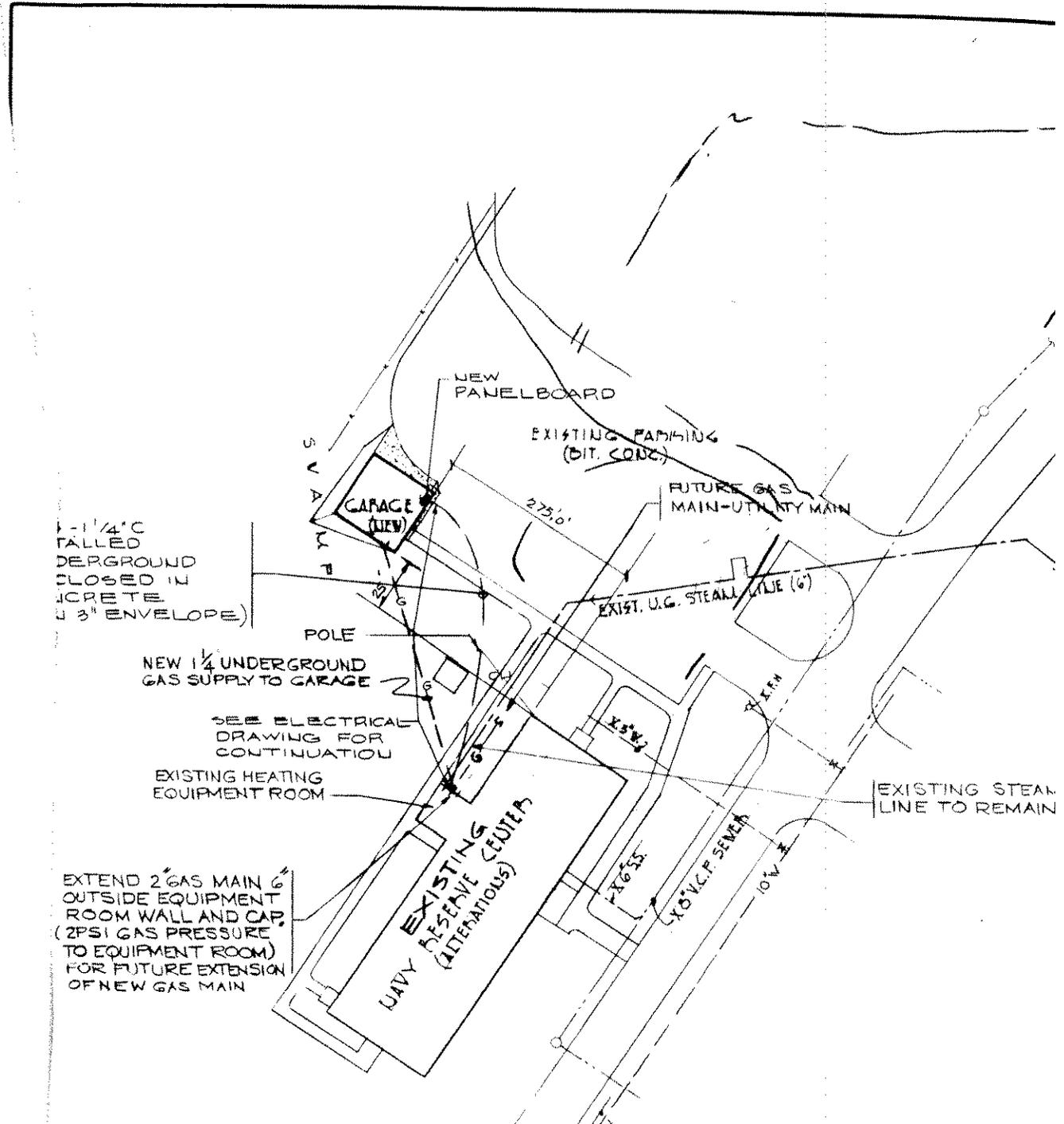
REPAIRS & ALTERATIONS

INDEX TO DRAWINGS, SITE PLAN, LOCATION MAPS, SYMBOL & ABBREVIATION LISTS

SIZE: F CODE BENT. NO. 80091 NAVFAC DRAWING NO. 2072212

CONTR. CONTR. NO. N02472-85-C-7114

SCALE AS NOTED SPEC 04-83-7114 SHEET 0-1 OF 11



1-1 1/4" C
TALLED
DERGROUND
CLOSED IN
CRETE
3" ENVELOPE)

NEW 1/4" UNDERGROUND
GAS SUPPLY TO GARAGE

SEE ELECTRICAL
DRAWING FOR
CONTINUATION

EXISTING HEATING
EQUIPMENT ROOM

EXTEND 2" GAS MAIN 6"
OUTSIDE EQUIPMENT
ROOM WALL AND CAP
(2PSI GAS PRESSURE
TO EQUIPMENT ROOM)
FOR FUTURE EXTENSION
OF NEW GAS MAIN

DAILY EXISTING
RESERVE SCOUTS
(ALTERNATIVES)

EXISTING STEAM
LINE TO REMAIN

NEW
PANELBOARD

EXISTING FARMING
(BIT. CONC.)

225' 0"

NEW GARAGE
(NEW)

FUTURE GAS
MAIN-UTILITY MAIN

EXIST. U.G. STEAM LINE (6")

POLE

X 5/8"

X 6/8"

X 6/8"

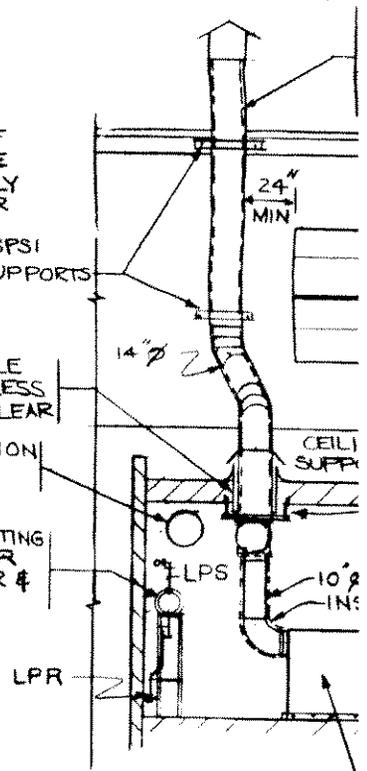
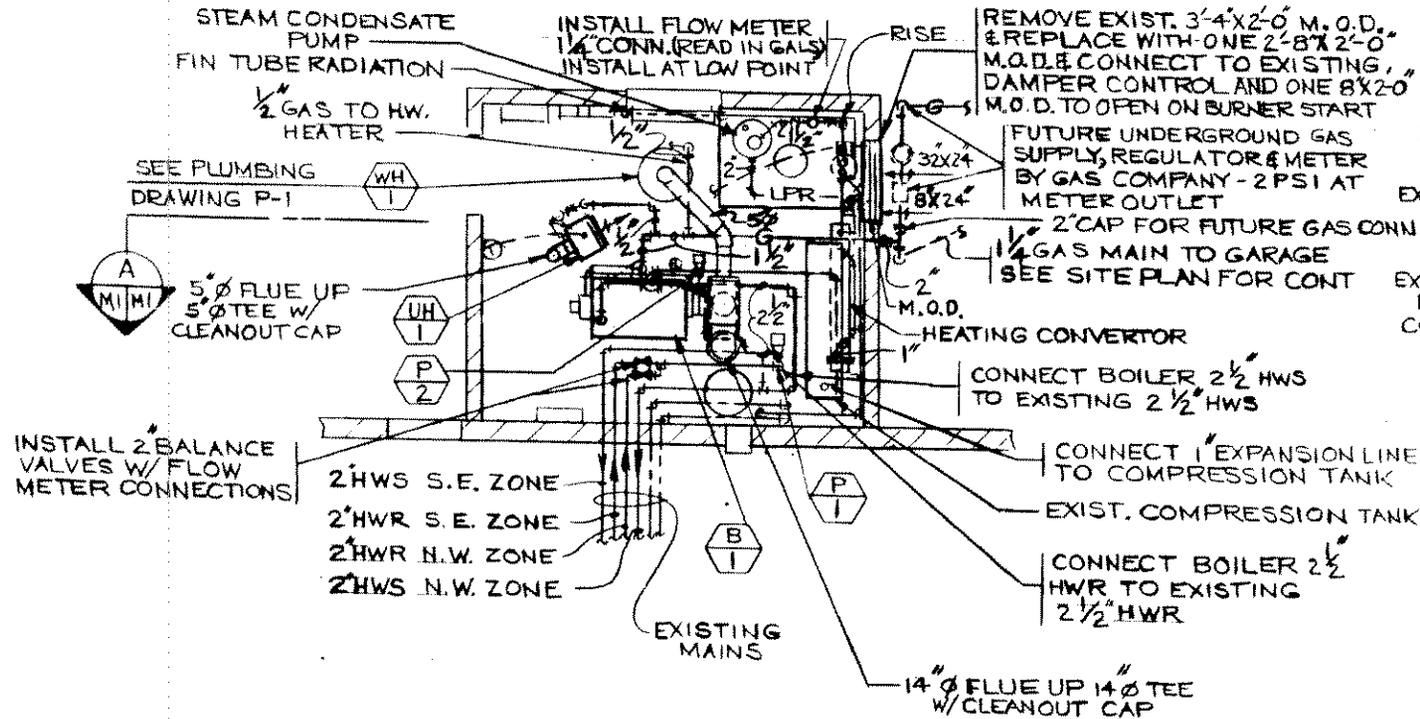
X 5/8"

HOT WATER DIRECT RADIATION PIPING DIAGRAM

HOT WATER SYSTEM TEMPERATURE CONTROL

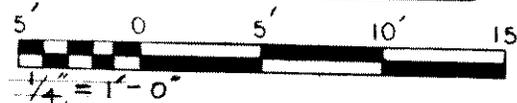
VARIABLE WATER TEMPERATURE OF 200°F TO 100°F TO THE SYSTEM FROM THE BOILER IN RELATION TO OUTDOOR TEMPERATURE

- 1.) OUTDOOR THERMOSTAT OT-1 IS SET AT 65°F. A FALL IN TEMPERATURE BELOW 65°F WILL ACTIVATE BOILER CONTROL PANEL TO START BURNER AND PUMPS P-1 AND P-2.
- 2.) OUTDOOR THERMOSTAT OT-2 THROUGH MASTER CONTROL PANEL AND BOILER SUB-MASTER SETS BOILER LEAVING WATER 200°F TO 170°F IN RELATION TO OUTDOOR TEMP. THROUGH THIS RANGE 3WAY VALVE OPERATES AS STRAIGHT THRU VALVE WITH RETURN PORT CLOSED. THRU TEMP. RANGE 170°F TO 100°F THE SUB-MASTER FOR 3-WAY VA. SETS SUPPLY WATER TEMP. IN RELATION TO OUTDOOR TEMP.
- 3.) BOILER RECIRCULATING PUMP P-1 WILL OPERATE WHENEVER THE BOILER OPERATES. FLOW SWITCH STOPS BOILER ON PUMP FAILURE.
- 4.) EXISTING ZONE 3WAY MIXING VALVES CONTROLLED BY ROOM THERMOSTATS TO MAINTAIN SPACE CONDITIONS, MAX 3WAY VA PRESS. DROP 3PSI



BOILER ROOM PLAN

SCALE: 1/4" = 1'-0"



SECTION

SCALE: 1/4" = 1'-0"

R SCHEDULE

FLOW	R.D.	BOILER	REMARKS
WT	LWT	FT.	HP.
30	200	1	18.1

BOILER TO BE CAST IRON SECTIONAL TYPE GAS FIRED W/ FORCED DRAFT FIRING W/ BAROMETRIC DAMPER FOR 30 P.S.I. WORKING PRESSURE. 2 PSI GAS SUPPLY AT THE BURNER GAS TRAIN INLET BURNER MOTOR 1/2 HP 115 VOLT 1Ø

REVISIONS				
LTR	DESCRIPTION	PREP'D BY	DATE	APPROVED

HEATER SCHEDULE

AIR EAT	CEM	OUTLET VEL	RPM	GAS CONN	MOTOR HP	ELECT	REMARKS
60	600	680	1500	1/2"	1/30	1Ø 120V	GAS FIRED W/GAS PRESS. REGULATOR 2 PSI GAS SUPPLY
45	1+80	987	1140	1/2"	1/8	1Ø 120V	GAS FIRED W/GAS PRESS. REGULATOR 2 PSI GAS SUPPLY

UNIT HEATERS TO HAVE DOUBLE DEFLECTION DISCHARGE LOWERS

MECHANICAL ABBREVIATIONS

B	BOILER
U.H.	UNIT HEATER
P	PUMP
E.A.T.	ENTERING AIR TEMPERATURE
EW.T.	ENTERING WATER TEMPERATURE
L.W.T.	LEAVING WATER TEMPERATURE
P.D.	PRESSURE DROP
G.P.M.	GALLONS PER MINUTE
C.F.M.	CUBIC FEET PER MINUTE
MBH	1000 BTU PER HOUR
M.O.D	MOTOR OPERATED DAMPER
M.V.D	MANUAL VOLUME DAMPER
F.D.	FLOOR DRAIN
DN	DOWN

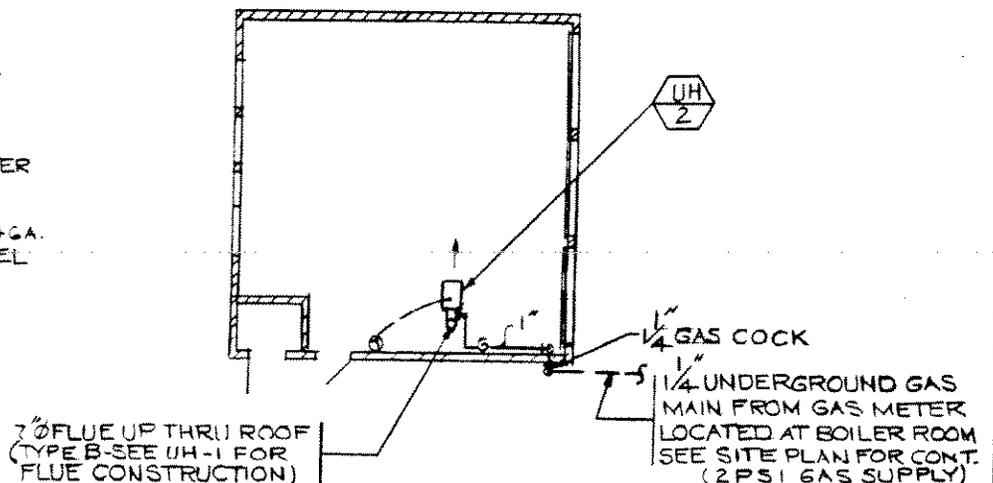
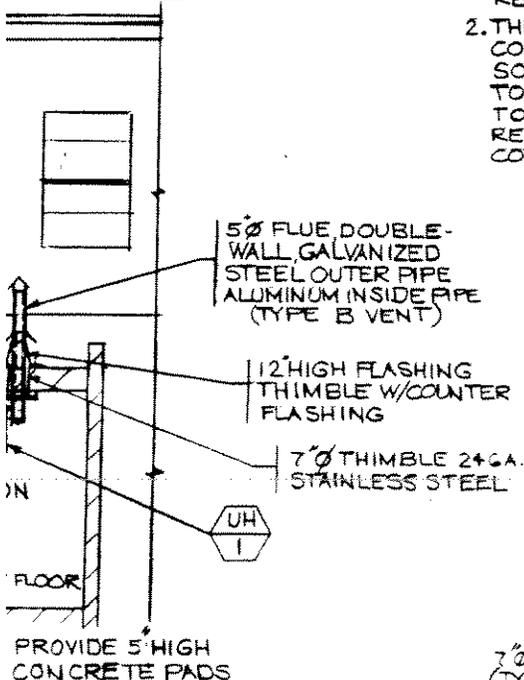
MECHANICAL SYMBOLS

	MANUAL AIR VENT
	THERMOMETER
	PRESSURE GAUGE
	STRAINER
	CHECK VALVE
	REDUCER
	HOT WATER HEATING SUPPLY
	HOT WATER HEATING RETURN
	LOW PRESSURE STEAM SUPPLY
	LOW PRESSURE CONDENSATE RET.
	GAS
	GATE VALVE
	PLUG VALVE OR COCK
	3-WAY VALVE
	GLOBE VALVE
	PRESSURE REDUCING VALVE
	UNION
	VENT
	CONDENSATE PUMP DISCHARGE
	PIPING AND EQUIPMENT TO BE REMOVED
	BALANCE VALVE WITH FLOW MEASURING CONNECTIONS

GENERAL NOTES

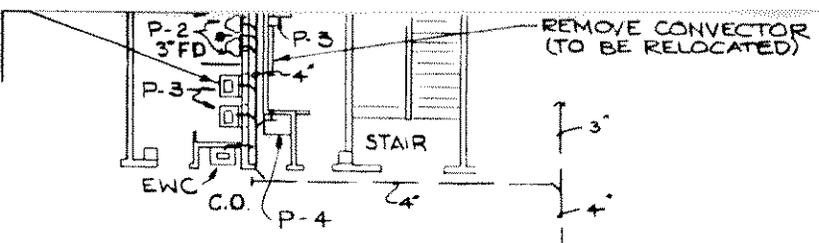
1. ALL GAS COCKS TO BE LOCAL GAS COMPANY APPROVED GAS COCKS, COMPLY WITH GAS COMPANY UNDERGROUND GAS PIPING INSTALLATION REQUIREMENTS
2. THE EXISTING DIRECT RADIATION FOR THE 1ST AND 2ND FLOORS CONSISTS OF SLOPE TOP WALL HUNG HOT WATER FIN TUBE CONVECTORS. SOME OF THE EXISTING CONVECTOR COVERS ARE REMOVED AND ARE TO BE REINSTALLED ON THE EXISTING CABINETS. COVERS ARE ADJACENT TO THE CONVECTORS. SIZES VARY FROM SW-6'-32'-26" TO SW6'-56'-26". REINSTALL 10 EXISTING COVERS ON THE 1ST FLOOR AND 2 EXISTING COVERS ON THE 2ND FLOOR.

L STAINLESS STEEL
E WALL INSULATED
-FLUE SPECIFIED
RES ONLY 2" CLEARANCE
COMBUSTIBLES



PLAN OF EQUIPMENT GARAGE

CLOSED URINALS AND LAVS
(FIXTURES TO BE RELOCATED
FOR THE INSTALLATION OF
NEW SHOWER)

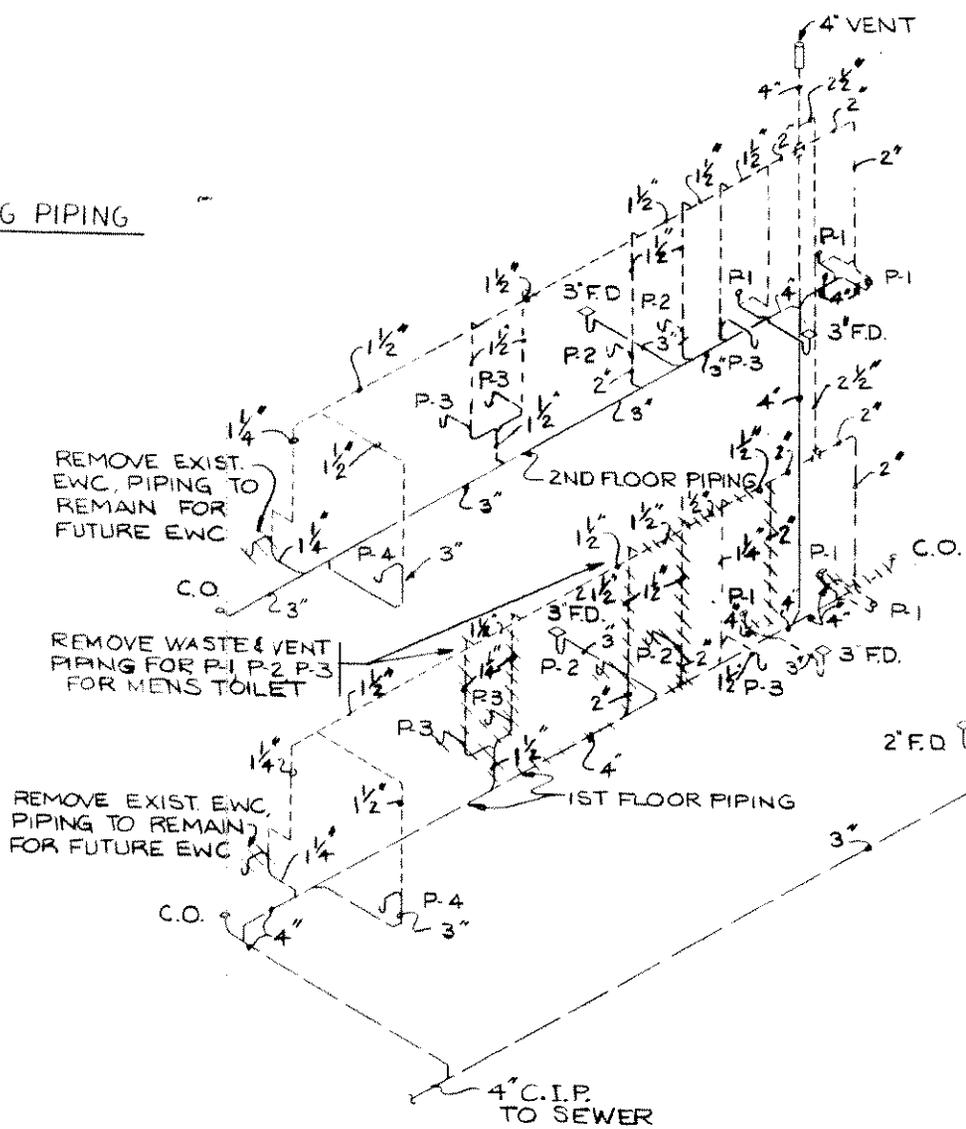


IST FLOOR PLAN EXISTING
SCALE: 1/8" = 1'-0" 5' 0" 5' 10"

REMOVE EXISTING LAV. (P-3), UR. (P-2)
AND WC. (P-1). MENS TOILET ONLY
(EXISTING FIXTURES TO BE RELOCATED)

NOTE:
// PIPING AND EQUIP. TO BE REMOVED

ATING PIPING
(D)



REMOVE EXIST. EWC PIPING TO REMAIN FOR FUTURE EWC

REMOVE WASTE & VENT PIPING FOR P-1, P-2, P-3 FOR MENS TOILET

REMOVE EXIST. EWC PIPING TO REMAIN FOR FUTURE EWC

STEEL SUMP AND SUMP PUMP IN EQUIPMENT ROOM PUMP PIT

DIAGRAM OF EXISTING WASTE AND VENT PIPING

CHECK GRAPHIC SCALES BEFORE USING

DOLIO AND METZ LTD
ARCHITECTS AND ENGINEERS
304 S. LA SALLE STREET - CHICAGO, ILL. 60604
D.S.M. PROJECT NO. 30586

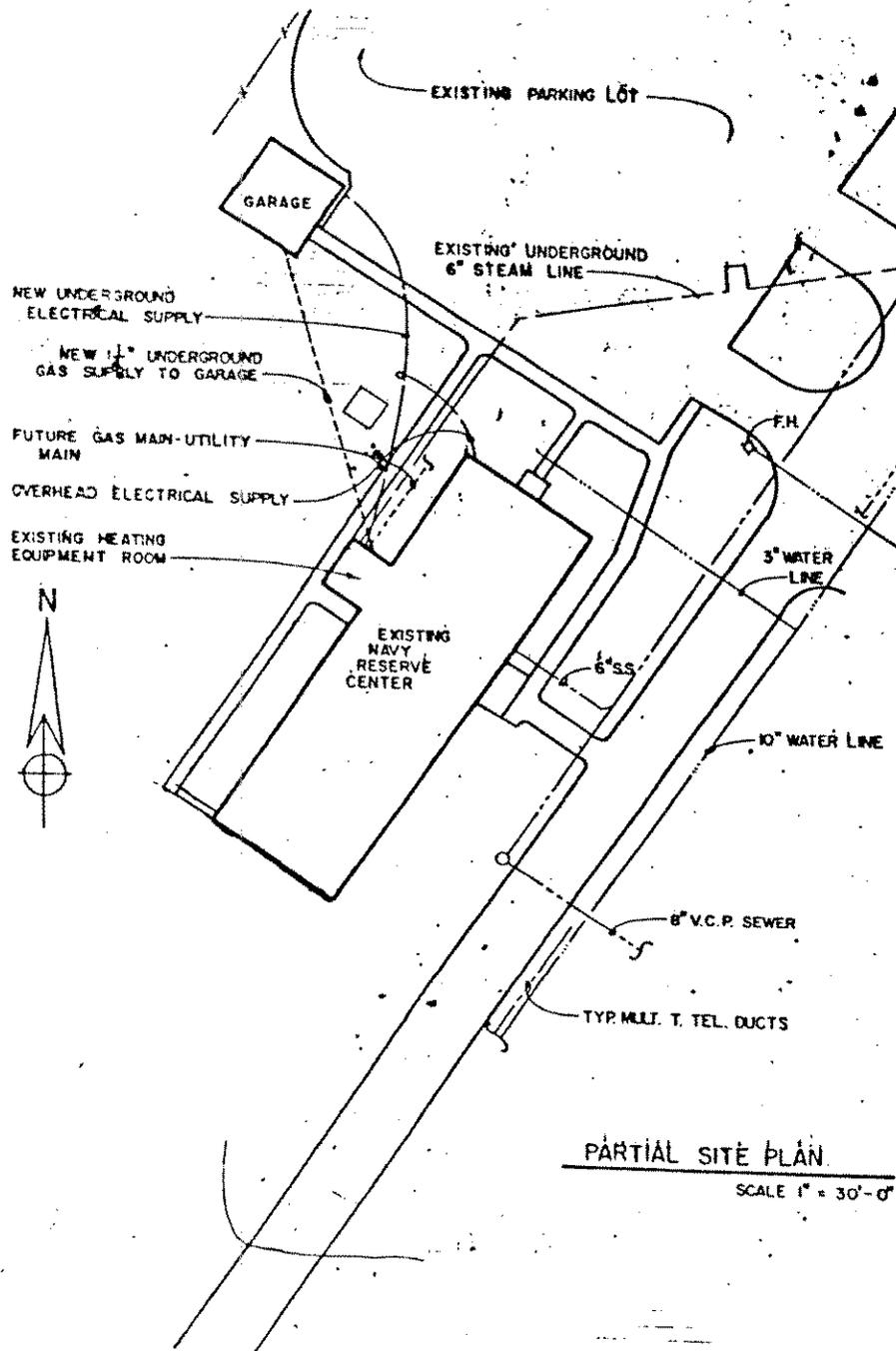
DWN DR CHK IMS APP RH
DATE 1/7/84



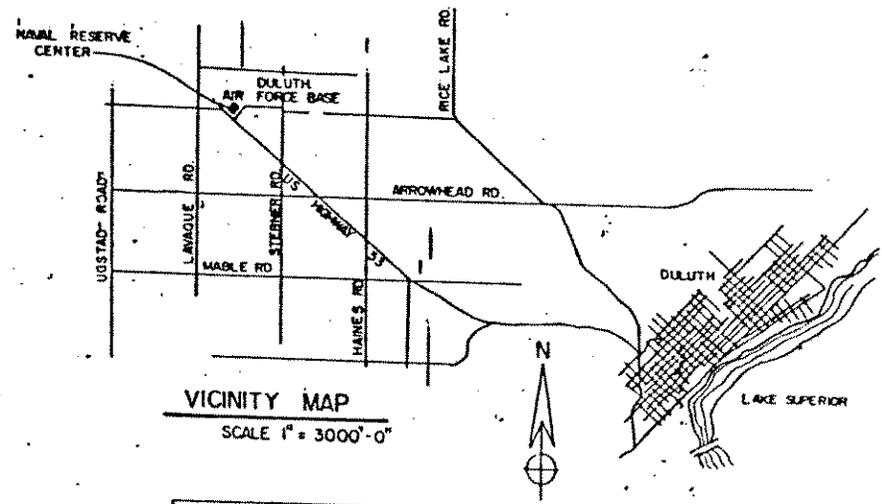
SATISFACTORY TO
DATE 1/7/84

P.W.C. DWS. NO. DU-12-839	
DR. BY	A-86308
LEAD CODE	ST BY
CIVIL/STRL.	
MECH.	
ELECT.	
ARCH.	
DIR. PROB. ENGR. DIV.	DATE
APPROVED	DATE
COMMANDING OFFICER	
APPROVED FOR COMBRAND	DATE
CPD FOR COMMANDER NPEC	

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMBANT		
NAVY PUBLIC WORKS CENTER, GREAT LAKES, ILL		
NAVAL RESERVE CENTER (AFB) DULUTH		
REPAIRS & ALTERATIONS		
EXISTING EQUIPMENT ROOM PLAN & EXISTING PIPING DIAGRAMS		
SIZE	CODE IDENT. NO.	NAVYAC DRAWING NO.
F	80091	2072220
SCALE AS NOTED		CONSTR. CONTR. NO. M62472-83-C-711
		SHEET MP-10P 11



PARTIAL SITE PLAN
SCALE 1" = 30'-0"



VICINITY MAP
SCALE 1" = 3000'-0"

SYMBOL	DESCRIPTION	BY	DATE	APPROVAL
REVISIONS				
F.P.M. DRAWING NO.	NAVAL RESERVE READINESS COMMAND REGION THIRTEEN FACILITIES PLANNING AND MAINTENANCE NAVAL BASE, GREAT LAKES, ILLINOIS			
COPIED FROM:	NAVAL RESERVE CENTER DULUTH, MN			
DRAWN: <i>D. SERVAS</i>	SITE PLAN			
CHECKED:				
APPROVED:				
		DATE: 21 OCT 86	SCALE: AS SHOWN SHEET 1 OF 1	

Naval Reserve Center, Duluth, Minnesota
CERFA Identification of Uncontaminated Property

MPCA NRRI UST Records



- [Air](#)
- [Water](#)
- [Cleanup](#)
- [Waste](#)
- [News/Notices](#)
- [Permits](#)
- [Rules/Regulations](#)
- [Hot Topics](#)
- [Programs](#)
- [Publications](#)
- [About MPCA](#)

[MPCA Home](#) > [Clean Up](#) > [Tanks](#) > [UST](#) > [Tank Search](#) > Tank Search Results

Minnesota Aboveground / Underground Storage Tank Search Result

Site information:

U Of Duluth - Nrri Building
5013 Miller Trunk Highway
Duluth, Minnesota 55811
St. Louis

7 tanks are (or were) located at this site.

To find out full information on the tank, click on the tank number.

- [mpca_tank_number is: 051 vs 0](#)
- [mpca_tank_number is: 052 vs 051](#)
- [mpca_tank_number is: 053 vs 052](#)
- [mpca_tank_number is: 054 vs 053](#)
- [mpca_tank_number is: 055 vs 054](#)
- [mpca_tank_number is: 056 vs 055](#)
- [mpca_tank_number is: 057 vs 056](#)

Tank Number	Install Date	Registration Date	Tank Capacity	Tank Status	Stored Product	Above or Underground
051	Jan 01, 84	Mar 17, 89	1000	Removed	Diesel	Under Ground
052	Jan 01, 55	Mar 17, 89	15000	Closed In-Place	Fuel Oil	Under Ground
053	Jan 01, 55	Mar 17, 89	30000	Removed	Fuel Oil	Under Ground
054	Jan 01, 55	Mar 17, 89	30000	Removed	Fuel Oil	Under Ground
055	Jan 01, 55	Mar 17, 89	30000	Removed	Fuel Oil	Under Ground
056	Jan 01, 55	Mar 17, 89	2000	Closed In-Place	Used Or Waste Oil	Under Ground
057	Nov 30, 97	Oct 12, 98	560	Active	Diesel	Under Ground

This page was last updated August 30, 2004

If you have suggestions on how we can improve this site, or if you have questions or problems, please [contact us](#).
If you have technical questions or problems with this site, contact webmaster@pca.state.mn.us
Minnesota Pollution Control Agency, 520 Lafayette Road, St. Paul, MN 55155-4194
Phone: 651-296-6300, 800-657-3864; 24-hour emergency number: 651-649-5451 or 800-422-0798; TTY: 651-282-5332, TTY 24-hour emergency number: 651-297-5353 or 800-627-3529



- [Air](#)
- [Water](#)
- [Cleanup](#)
- [Waste](#)
- [News/Notices](#)
- [Permits](#)
- [Rules/Regulations](#)
- [Hot Topics](#)
- [Programs](#)
- [Publications](#)
- [About MPCA](#)

[MPCA Home](#) > [Clean Up](#) > [Tanks](#) > [UST](#) > [Tank Search](#) > Tank Search Results

Minnesota Aboveground / Underground Storage Tank Search Result

Site information:

Nrri/university Of Mn-duluth
5013 Miller Trunk Highway
Duluth, Minnesota 55811
St. Louis

6 tanks are (or were) located at this site.

To find out full information on the tank, click on the tank number.

- [mpca_tank_number is: 051 vs 0](#)
- [mpca_tank_number is: 052 vs 051](#)
- [mpca_tank_number is: 053 vs 052](#)
- [mpca_tank_number is: 054 vs 053](#)
- [mpca_tank_number is: 055 vs 054](#)
- [mpca_tank_number is: 1056 vs 055](#)

Tank Number	Install Date	Registration Date	Tank Capacity	Tank Status	Stored Product	Above or Underground
051	Jan 01, 56	May 12, 87	1000	Removed	Diesel	Under Ground
052	Jan 01, 56	May 12, 87	15000	Removed	Fuel Oil	Under Ground
053	Jan 01, 56	May 12, 87	30000	Removed	Fuel Oil	Under Ground
054	Jan 01, 56	May 12, 87	30000	Removed	Fuel Oil	Under Ground
055	Jan 01, 56	May 12, 87	30000	Removed	Fuel Oil	Under Ground
1056	Jan 01, 91	Feb 12, 96	612	Active	Fuel Oil	Above Ground

This page was last updated August 30, 2004

If you have suggestions on how we can improve this site, or if you have questions or problems, please [contact us](#).
If you have technical questions or problems with this site, contact webmaster@pca.state.mn.us
Minnesota Pollution Control Agency, 520 Lafayette Road, St. Paul, MN 55155-4194
Phone: 651-296-6300, 800-657-3864; 24-hour emergency number: 651-649-5451 or 800-422-0798; TTY: 651-282-5332, TTY 24-hour emergency number: 651-297-5353 or 800-627-3529



[MPCA Home](#) > [Storage Tanks](#) > [Leaking Underground Storage Tanks Program](#) > Search LUST sites

Minnesota Aboveground / Underground Storage Tank Search Result

NRRI/UNIVERSITY OF MN-DULUTH

An MPCA Leaking Underground Storage Tank Site.
ID Number: 2584

[Groundwater](#) | [Cleanup Actions](#) | [Legal Entity](#) | [Treatments](#) | [Reporting](#)

Site Address: 3153 Miller Trunk Highway

City: Duluth

Site Zip Code: 55811

County: St. Louis

Release Discovered Date:

Release Report Date: 1990-05-22 00:00:00.0

Leaksite Conditional Closure Date:

Leaksite Complete Site Closure Date: 2000-04-11 00:00:00.0

Contaminated Soils Remaining: Y

Offsite Contamination: U

Product Released: Fuel Oil 1 & 2

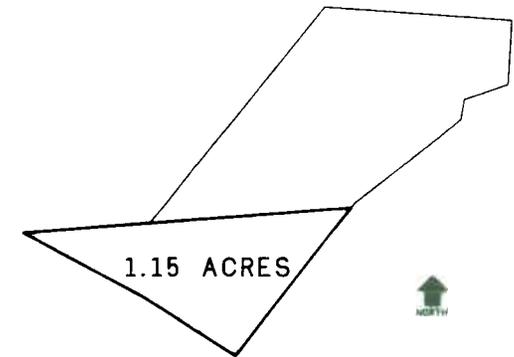
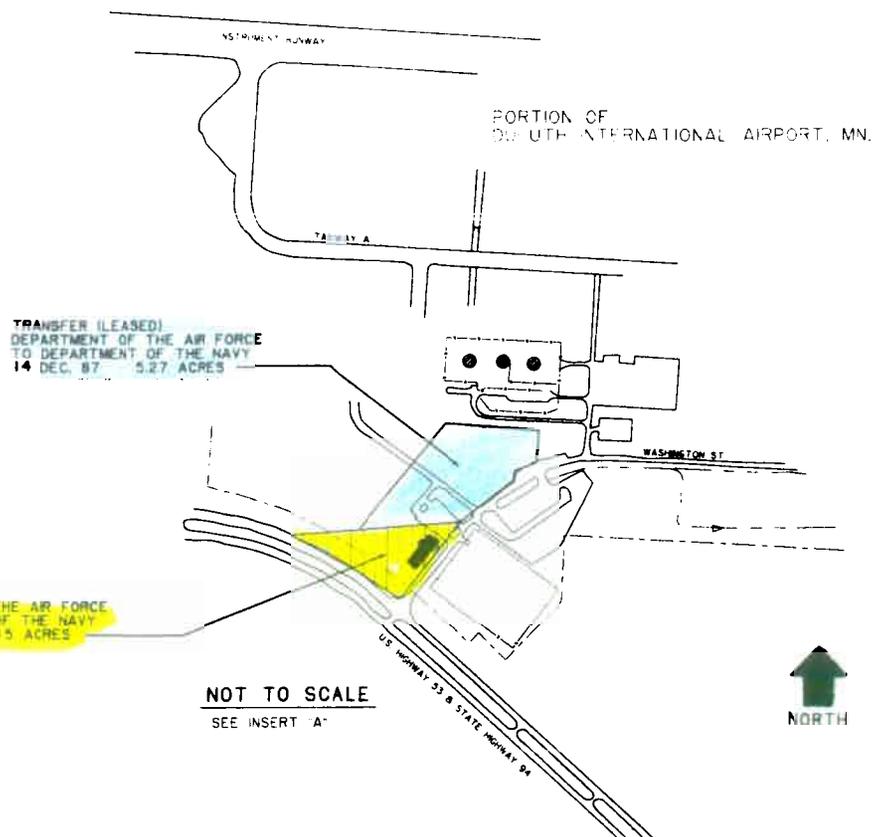
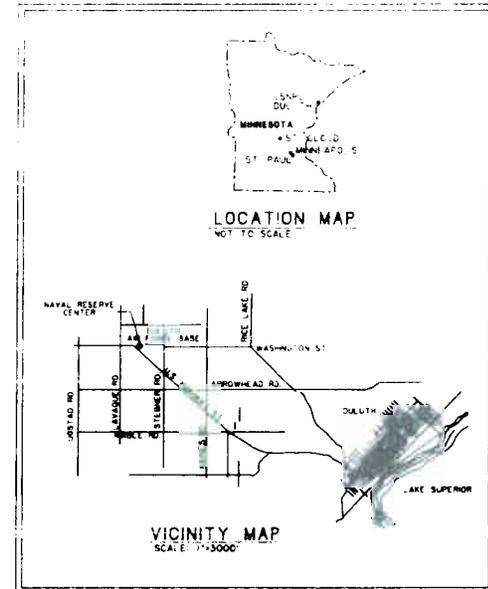
Project Manager: [Leppala, Steve](#)

This page was last updated August 30, 2004

If you have suggestions on how we can improve this site, or if you have questions or problems, please [contact us](#).
If you have technical questions or problems with this site, contact webmaster@pca.state.mn.us
Minnesota Pollution Control Agency, 520 Lafayette Road, St. Paul, MN 55155-4194
Phone: 651-296-6300, 800-657-3864; 24-hour emergency number: 651-649-5451 or 800-422-0798; TTY: 651-282-5332, TTY 24-hour emergency number: 651-297-5353 or 800-627-3529

**APPENDIX B
PROPERTY RECORDS**

SUMMARY OF ACQUISITION						FEDERAL JURISDICTION						
ESTATE	HOW ACQUIRED					ACQ. DATE	RIGHT TO USE BY OTHERS	LAND ACQUIRED BY	ANAL.	DATE RECEIVED BY USA	APPLICABLE STATE STATUTE	DESIRE
	PURCHASE	CONDEMNATION	DONATION	TRANSFER	OTHER							
FREE				1		1-15	LEASE	SALED				
TRANSFER							EASEMENT	CONDEMNATION				
LEASE				1.27		1-17	LEASE					
OTHER							OTHER					
TOTAL				6.47		6.42	TOTAL					



INSERT A
SCALE: 1"=100'

DATE	ISSUED BY	DATE	ISSUED BY
REVISED	DESCRIPTION	PREP BY	DATE
DESIGN	DEPARTMENT OF THE NAVY - NAVAL FACILITIES ENGINEERING COMMAND		
CHKD	MR. MORNO-WALSH	NORTHERN DIVISION	
APP'D		NAVAL RESERVE CENTER	
		DULUTH, MINNESOTA	
		REAL ESTATE SUMMARY MAP	
APPROVED	DATE	SCALE	DATE
	F 80091	2:25712	

USE GRAPHIC SCALES BEFORE USING

DATE TO DATE

DEPARTMENT OF THE AIR FORCE
WASHINGTON, D.C. 20332

MEMORANDUM FOR THE SECRETARY OF THE NAVY

SUBJECT: Transfer of 1.15 Acres Fee Land and 5.27 Acres Leased Land with
Improvements, a Portion of Duluth International Airport, Minnesota

Pursuant to the request of your department in a letter to the United States Air Force (LSER), the Department of the Air Force hereby transfers to the Department of the Navy a portion of the Duluth International Airport, Minnesota.

The portion transferred, without reimbursement, comprises of 1.15 acres of fee-owned land and 5.27 acres of leased land. Improvements on the fee tract consist of a building and a small portion of the parking lot. The remainder of the parking lot is on the leased land. This is more particularly described in the attached assembly.

The authority for this transfer is Title 10, United States Code, Section 2571(a). The requirements of Title 10, United States Code, Section 2562, as amended, have been met.

1 Attach
Transfer Assembly w 3 attachments



TRANSFER AND ACCEPTANCE OF MILITARY REAL PROPERTY							PAGE	OF	PAGES
1. FROM (Installation/Activity/Service) Department of the Air Force OLAA, 24AD, Duluth, MN			2. OPERATING UNIT	3. DISTRICT CODE	4. OPERATING AGENCY	5. DATE	6. JOB NUMBER	7. SERIAL NUMBER	8. CONTRACT NUMBER
9. TO (Installation/Activity/Service) Department of the Navy			10. OPERATING UNIT	11. DISTRICT CODE	12. OPERATING AGENCY	13. ACCOUNTING NUMBER	14. ACCOUNTABLE OFFICE NUMBER	15. TYPE OF TRANSACTION	
						<input type="checkbox"/> NEW CONSTR <input type="checkbox"/> EXISTING FAC <input type="checkbox"/> CAPITAL IMP <input type="checkbox"/> OTHER (Specify)		<input type="checkbox"/> BEMP/O <input type="checkbox"/> PHYSICAL COM <input type="checkbox"/> FINAN. COM <input type="checkbox"/> OTHER (Specify)	
									16. PROJECT NUMBER

ITEM NO.	CATEGORY CODE	FACILITY (Category description)	NO. OF UNITS	TYPE	UNIT OF MEAS	TOTAL QUANTITY	COST	DRAWING NUMBERS	REMARKS
17	18	19	20	21	22	23	24	25	26
1.	610286	HQ Named/No Div	1		SF	13,392	\$244,644		
2.	142758	Whse Sup & Equip Bse	1		SF	90	\$ 1,000		
3.	911146	Land, Fee, Pur			AC	1.15+	\$ 525		See legal description Exhibit "A" attached hereto and made a part hereof.
4.	922274	Land, Lease, S+L (Facility #90500)			AC	5.27+	\$132.62/Annum		See legal description Exhibit "B" attached hereto and made a part hereof.
<p>"To the best of our knowledge, this property contains no contamination".</p> <p style="text-align: center;">LAST ENTRY</p>									
 									

27. STATEMENT OF COMPLETION: The facilities listed herein are in accordance with maps, drawings, and specifications and change orders approved by the authorized representative of the issuing agency except for the deficiencies listed on the reverse side.			28. ACCEPTED BY (Signature) 			DATE 2/6/88		
TRANSFERRED BY (Signature) 			DATE 14 Dec 87			TITLE (Pool Eng/Asst Cin Eng/Navv Rep) Commanding Officer, Naval Reserve Center Duluth, MN.		
TITLE (Asst Eng/Asst Eng/Asst Eng) BASE CIVIL ENGINEER, K.I. SAWYER AFB, MB						29. PROPERTY VOUCHER NUMBER		

A tract of land situated in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 11, Township 50 North, Range 15 West of the Fourth Principal Meridian, St. Louis County, Minnesota, being more particularly described as follows:

- Commencing at the North quarter corner of said Section 11;

thence West along the North line of said Section 11, a distance of 909.60 feet, to the Northerly right-of-way line of U.S. Highway 53, and the POINT OF BEGINNING;

thence Southeasterly along said Northerly right-of-way line, to the center of Washington Street;

thence Northeasterly along said center line, to said North line of Section 11;

thence West along said North line, to the point of beginning.

The tract of land herein described contains 1.15 acres, more or less.

EXHIBIT



Duluth International Airport
Minnesota
Lease Land to Navy

A tract of land situated in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 2, Township 50 North, Range 15 West of the Fourth Principal Meridian, St. Louis County, Minnesota, being more particularly described as follows:

Commencing at the South quarter corner of said Section 2;

thence West along the South line of said Section 2 to the Northwesterly line of Washington Street, and the POINT OF BEGINNING:

thence Northeasterly along said Northwesterly line of Washington Street, to a point, said point being, measuring along said Northwesterly line, 587.00 feet, more or less, Northeasterly of the intersection of said Northwesterly line with the Northerly right-of-way line of U.S. Highway No. 53;

thence North to the intersection with a line, said line being parallel with and lying 1,540.00 feet Southerly of the center line of the East-West Runway,

thence Westerly parallel with said center line of the East-West Runway, 275.00 feet;

thence Southwesterly deflecting 56°39'00" to the left, to said South line of Section 2;

thence East along said South line, to the point of beginning. Excepting therefrom that portion lying within the parking lot area along Washington Street.

The tract of land herein described contains 5.27 acres, more or less.

25Nov83
7Nov83
20Apr83

FYHIRT "8"

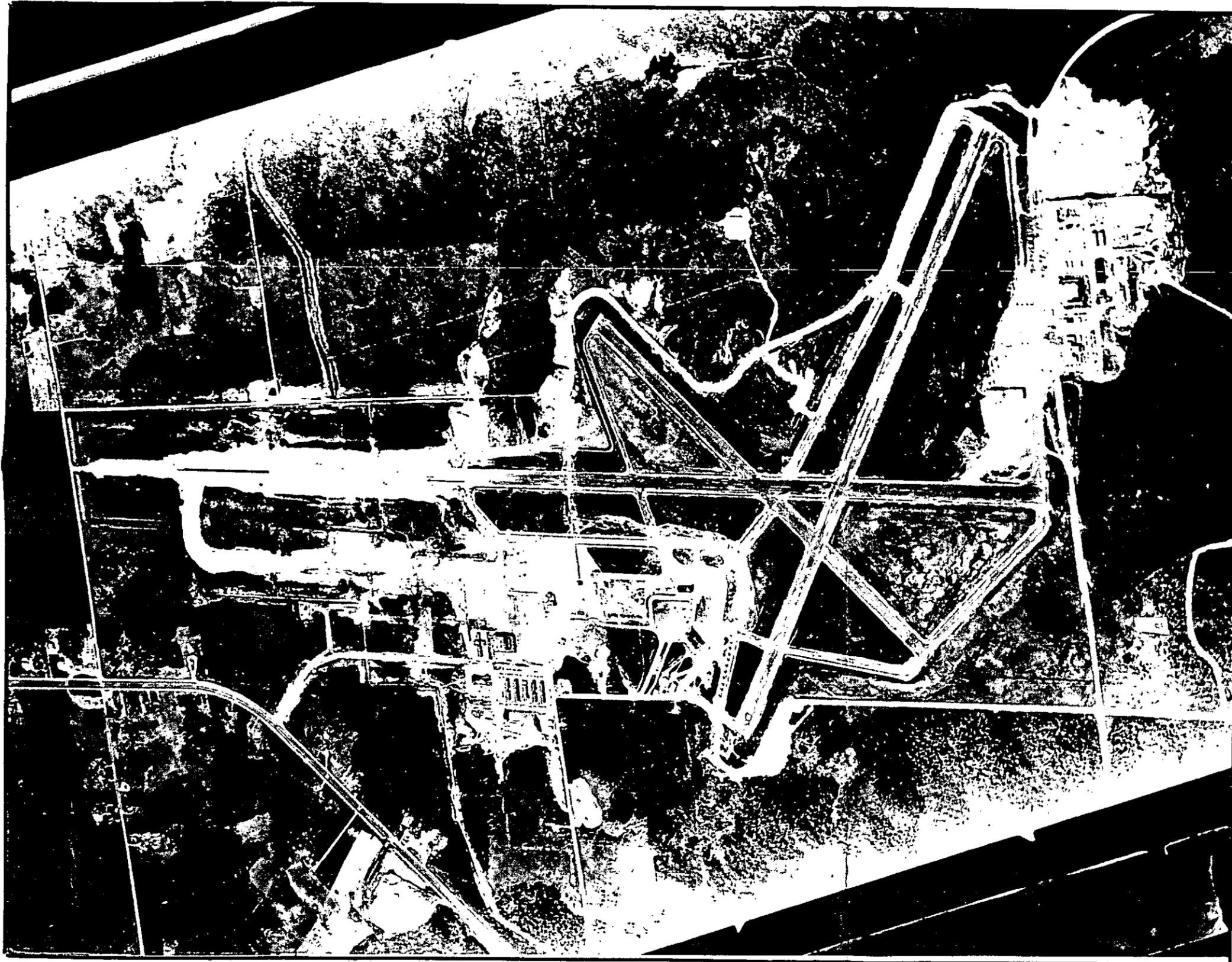


**APPENDIX C
AERIAL PHOTOGRAPHY**

Appendix C – Aerial Photography

Aerial photographs reviewed for the identification of CERFA uncontaminated property at NRC Duluth, Minnesota were obtained from and discussed in the following document:

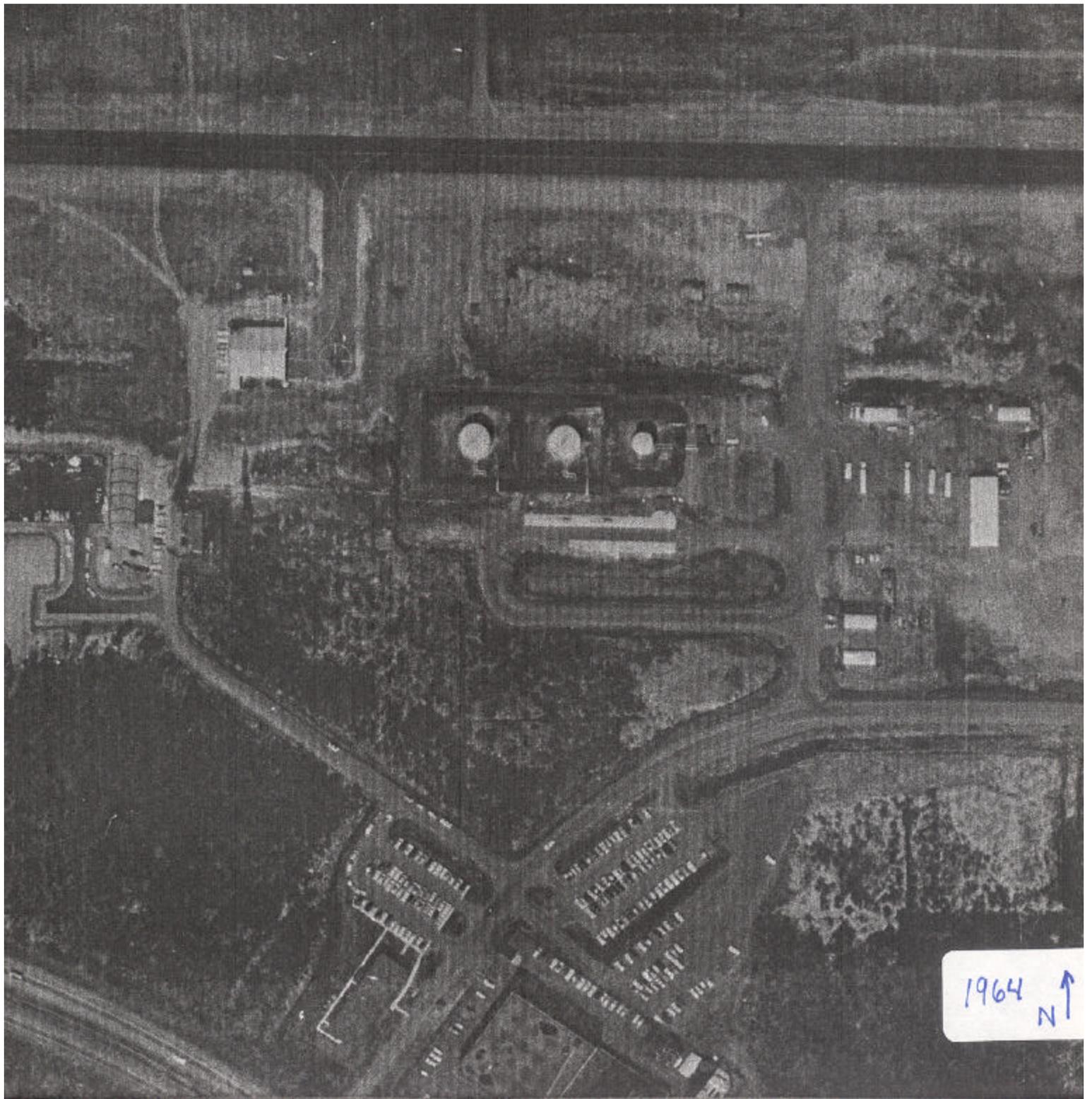
U.S. Navy, 2006. (Engineering Field Activity, Midwest, Naval Facilities Engineering Command) Environmental Baseline Survey, Parcel 1, 5019 Airport Road, Naval Reserve Center, Duluth, Minnesota. Great Lakes, Illinois, February 24, 2006.



Approximate
North

0 1000
FEET
Scale Approximate

Figure 3-1 Aerial Photograph of the Airport Area, August 1952.



-1970-



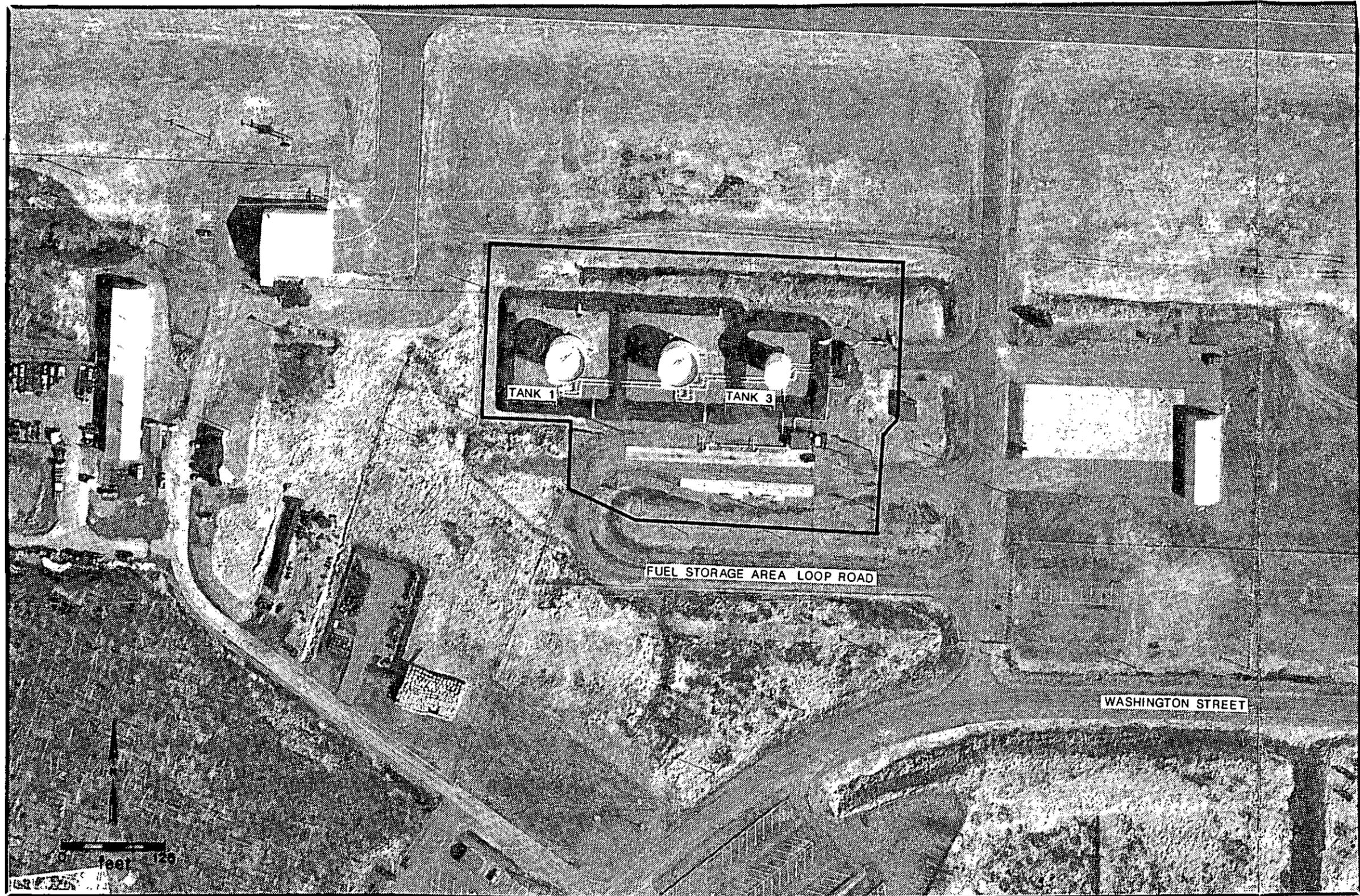
1976



100 5-4-76

ECS-8





EXPLANATION

- Approximate boundary for Fuel Storage Area (Fenced Area).

Figure 1-11 Aerial Photograph of Site 4, April, 1988.

Send To Printer

Back To TerraServer

Change to 8.5x11 Print Size

Remove Grid Lines

Change t

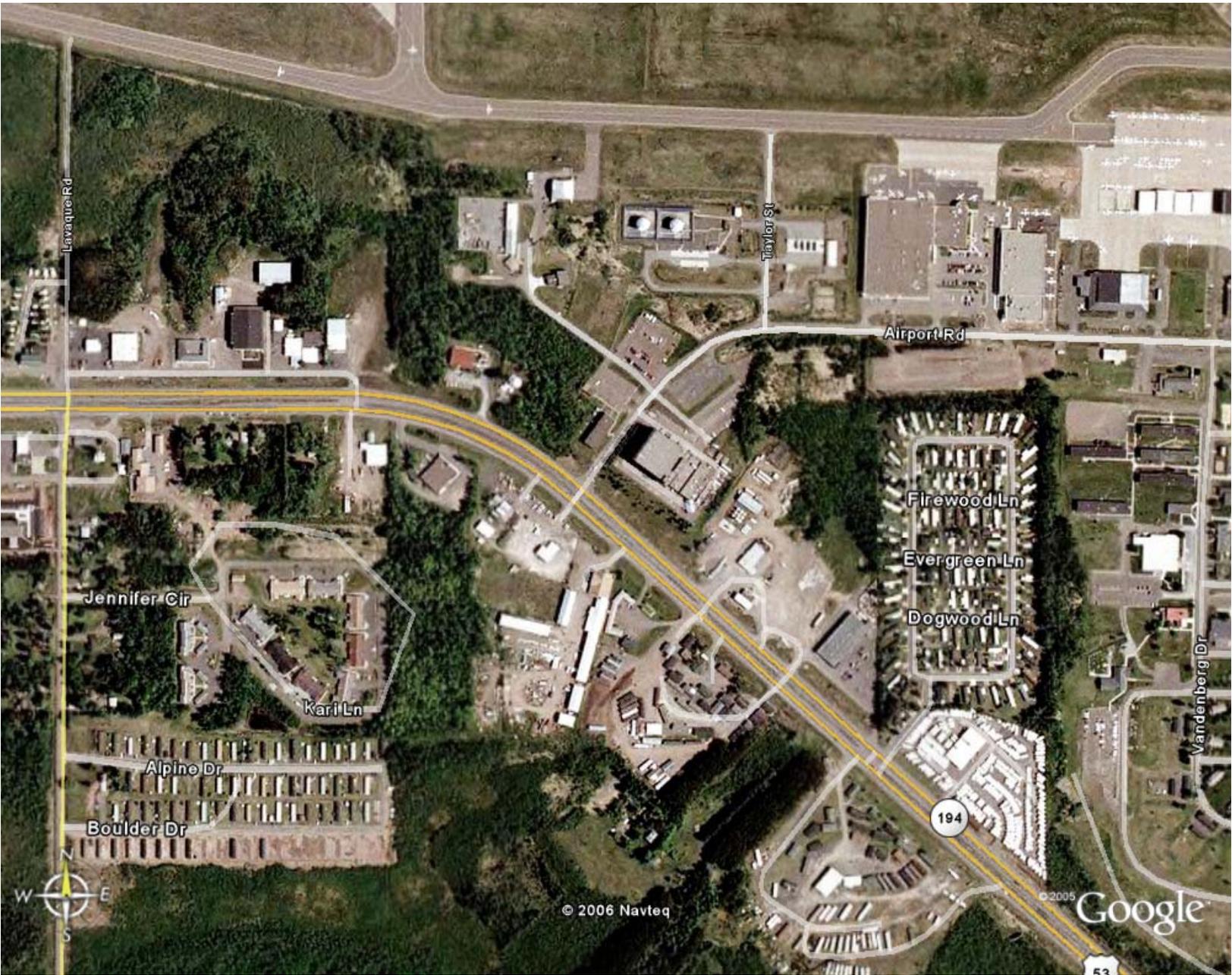
USGS 3 km NE of Hermantown, Minnesota, United States 10 May 1991





1998





APPENDIX D
VISUAL SITE INSPECTION FORMS

Naval Reserve Center, Duluth, Minnesota
CERFA Identification of Uncontaminated Property

Visual Site Inspection Forms

**ATTACHMENT A
VISUAL SITE INSPECTION FORM
2006 CERFA REPORT**

Real Property Area: Bldg 128
 Inspector(s): LAWSON ANDERSON (TENVIS) + DAWN KIRKALD
 Escort: CDR ERIK ISAACSON (BRAC PMO NE) CPO "DOC" GARCIA

Date of Initial Construction: 1956
 Inspection Date: 10-11-06
 Phone: 901-523-9500 (ANDERSON) FAX: 901-523-9502

Interviews: If escorted, list escort name below and complete an Interview Transcript. Also, list names of other people interviewed for this Area, and complete Transcript for each.

CDR ISAACSON
 CPO GARCIA
 PSC KENNETH BRANNING

Structure Description/Current Use: Indicate approx. size, number of rooms, type of floor, type of doors, and other information relevant to how well the building can contain interior leaks and spills. 2-STORY CONCRETE BLOCK BLDG W/ STUCCO EXTERIOR; APPROX 150' X 45'; SEE ATTACHED FLOOR PLANS (INTERIOR WALLS HAVE BEEN ALTERED SLIGHTLY); ADMINISTRATIVE BLDG → OFFICES AND CLASSROOMS; NO USE OF HAZARDOUS SUBSTANCES OR PETROLEUM

Visible Evidence of Previous Uses (indicate if there is evidence that a previous structure may have once existed on the site):

NONE

Hazardous Materials/Petroleum Products Observed

Current: NONE - JANITORIAL SUPPLIES ONLY
 Evidence of Former Use: NONE

Describe the overall apparent condition of the structure: EXCELLENT

FORMER USAF

Describe the Heating/Cooling System: PREVIOUSLY STEAM HEATED VIA CONNECTION TO BLDG ON EAST ADJACENT PROPERTY,

Describe Current and Former Water Supplies: MUNICIPAL

NOW HEATED BY ONSITE NATURAL GAS BOILER

Describe Current and Former Wastewater Treatment: MUNICIPAL

Site Description Checklist: Check if any of the following were observed, and provide supporting notes on back:

Basement: N	Upper Floor(s): Y - SEE ATTACHED FLOOR PLAN
Floor Pits: BOILER ROOM CONDENSATE PIT	Utility Room(s): Y - BOILER ROOM
Closet(s): JANITOR'S CLOSETS	Underfloor Utilities: N
Exterior Storage Area: BLDG 131	Elevator(s): N
Sumps: SEE FLOOR PITS	

Adjacent Properties: Describe each adjacent property NORTH - PARCEL 2 (LEASED) - PARKING LOTS, OPEN LAND GARAGE W/ FLAM LOCKER (LAWN MOWER OIL + GAS), METAL SHED WITH DIRT FLOOR USED FOR MWR RECREATIONAL EQUIPMENT STORAGE, SOUTH - 4-LANE HWY; EAST - UNN OF NW - DULUTH NRR LABORATORIES; WEST - WOODS AND WEATHER SERVICE RADAR.

Observation Checklist: Check if any of the following were observed, and provide supporting notes on back:

USTs: N	ASTs: N
Odors: N	Pools of Liquid: N
Drums: N	Other Containers: JANITORIAL SUPPLIES
Stressed Vegetation: N	Stained Soils: Y (BLDG 201 ON PARCEL 2)
Electrical Equipment: Y	Labeled as PCB? N/A Non-PCB? N/A No PCBs per 1998 Env't Compliance Evaluation
Floor Drains: JANITOR CLOSETS/BATHROOMS ONLY	Sumps: Y - BOILER ROOM CONDENSATE PIT
Oil/Water Separators: N	Grease Traps: N
Floor Stains: N	Located Next to Cracks/Corrosion? N/A
Floor Cracks: N	Hairline? N/A Major? N/A
Floor Corrosion: N	Shallow? N/A To Soil? N/A
Holes in Wall: N	At Floor Seam? N/A Elsewhere? N/A
Satellite Accumulation Areas: N	Flammable Lockers: ADJACENT PROPERTY (BLDG 201 - GARAGE) IN NORTH
Floor Tiles: Y	Known to Contain Asbestos? ?
Other Possible ACM: Y	Friable? Nonfriable? <u>Unknown?</u> BOILER ROOM + JANITOR CLOSET PIPE INSULATION
Peeling Paint: NO	Surface Older than 1978? N
Evidence of Pesticide Use: N	Monitoring Wells: N
(Possible) Air Emissions Sources: BOILER	(Possible) UXO: N

Onsite Records: Look for the following while inspecting the area:

Hazardous Material Inventory Lists N	Warning Signage N
MSDSs Y (9) - ALL JANITORIAL SUPPLIES	Photographs Y
Record Binders REMAINS REVIEWED	

Use this space to prepare a sketch of the Area and to provide supporting notes concerning features checked on the front page.

Boiler Room - 1986 Site Plan shows an existing 6-inch underground steam line entering the boiler room. This steam line appears to lead ^(via the Parcel 2 parking lot) to the former SAGE facility (now NRRI) which likely provided the steam for heating Bldg 128 when both facilities belonged to the Air Force. 1984 Repairs and Alterations drawings indicate the steam line enters the steam condensate sump/pump pit. The pit was holding a considerable amount of water at time of VSI. The water is believed to be groundwater. No sheen was observed. The underground steam line could serve as a contaminant migration pathway. How or where the steam line was disconnected is not known. (Photo VSI-8)

Damaged pipe insulation in boiler room was included in a proposed asbestos removal project specification (1995), but facility personnel do not know if the project was implemented. Damaged ^{PIPE} insulation was observed in the boiler room during the VSI (Photo VSI-7). It is not known if the insulation contains asbestos. Because it is inside the building, it will not affect the CERFA classification.

Garage (Bldg 201) - SEE ADJACENT PROPERTY OBSERVATIONS TABLE AND PHOTOGRAPHS

Bldg 131 (Storage) - non-hazardous storage (See Cadets uniforms and supplies)
↳ (Photos VSI-3 and VSI-4)

Unnumbered bldg on south side of Bldg 131 - smoking area (Photo VSI-5)

Visual Site Inspection Photographs

APPENDIX D



Photo VSI-1: Building 128 facing north. Light snow on ground. (Source: TtNUS, 11Oct 2006)



Photo VSI-2: Building 128 facing south (rear of building). Boiler room extends out from building. (Source: TtNUS, 11Oct 2006)

APPENDIX D



Photo VSI-3: Building 131 (storage shed). (Source: TtNUS, 11Oct 2006)



Photo VSI-4: Building 131 contents – Sea Cadets uniforms and supplies. (Source: TtNUS, 11Oct 2006)

APPENDIX D



Photo VSI-5: Unnumbered building (smoking area) south of Building 131. (Source: TtNUS, 11Oct 2006)



Photo VSI-6: Building 128 boiler. (Source: TtNUS, 11Oct 2006)

APPENDIX D



Photo VSI-7: Damaged insulation in boiler room. Asbestos content undetermined. (Source: TtNUS, 11Oct 2006)

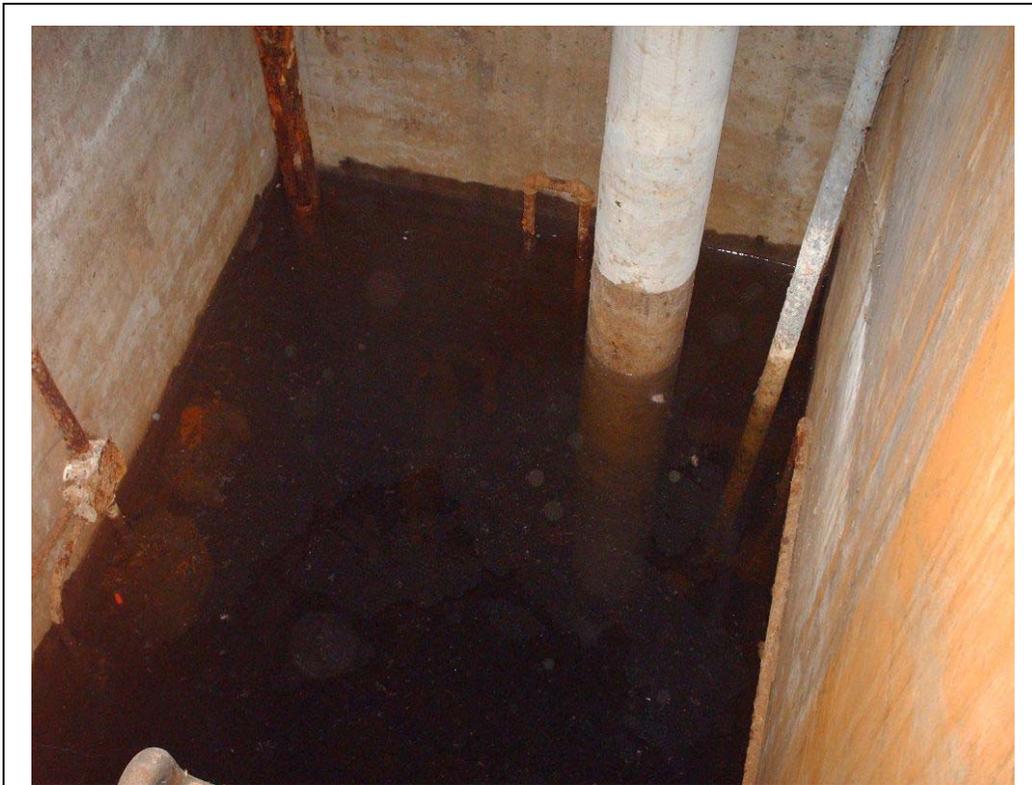


Photo VSI-8: Boiler condensate pit. Former steam lines enter beneath water (suspected to be groundwater). (Source: TtNUS, 11Oct 2006)

APPENDIX D

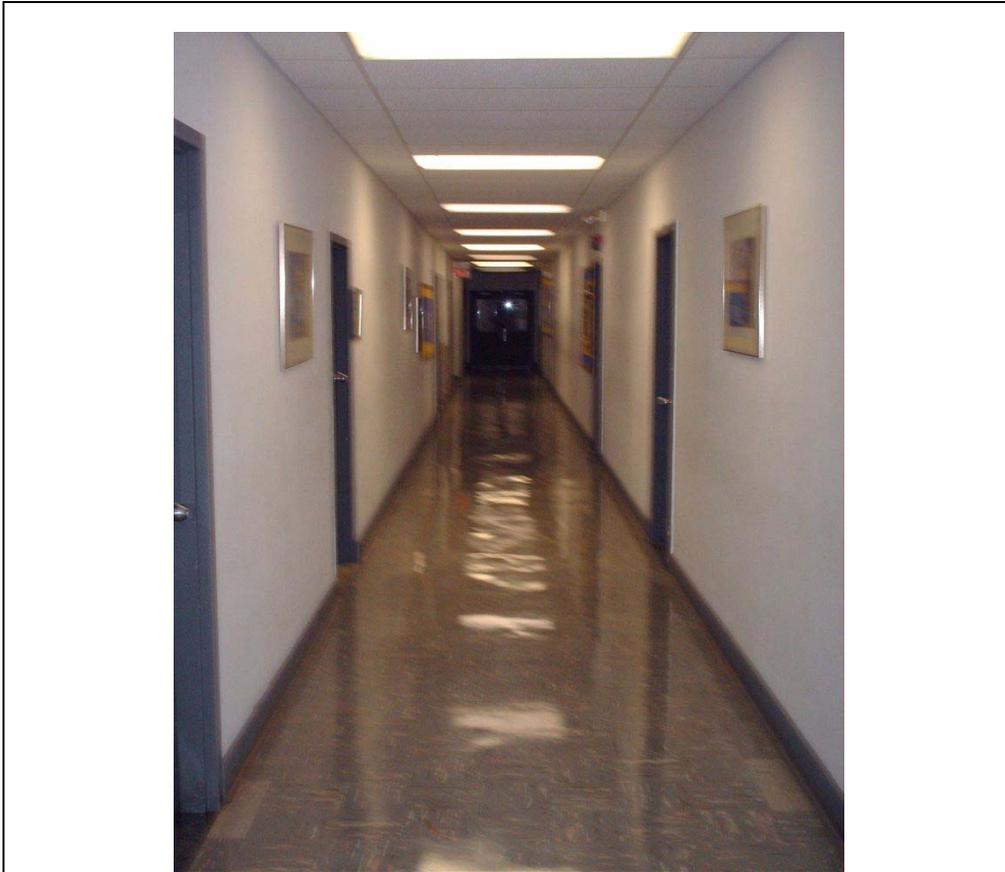


Photo VSI-9: Building 128 – typical hallway. (Source: TtNUS, 11Oct 2006)



Photo VSI-10: Building 128 – typical classroom. (Source: TtNUS, 11Oct 2006)

APPENDIX D



Photo VSI-11: Building 128 – typical office space. (Source: TtNUS, 11Oct 2006)

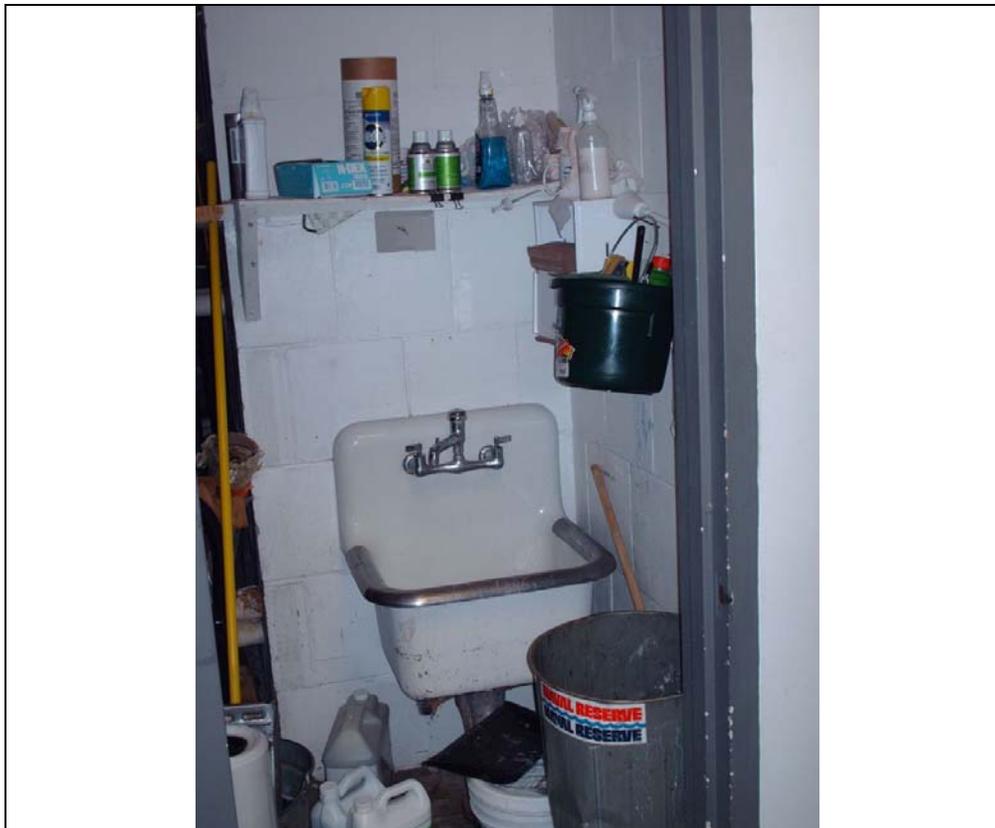


Photo VSI-12: Building 128 –Janitor's closet. (Source: TtNUS, 11Oct 2006)

APPENDIX D



Photo VSI-13: Building 128 – medical office sharps disposal. (Source: TtNUS, 11Oct 2006)

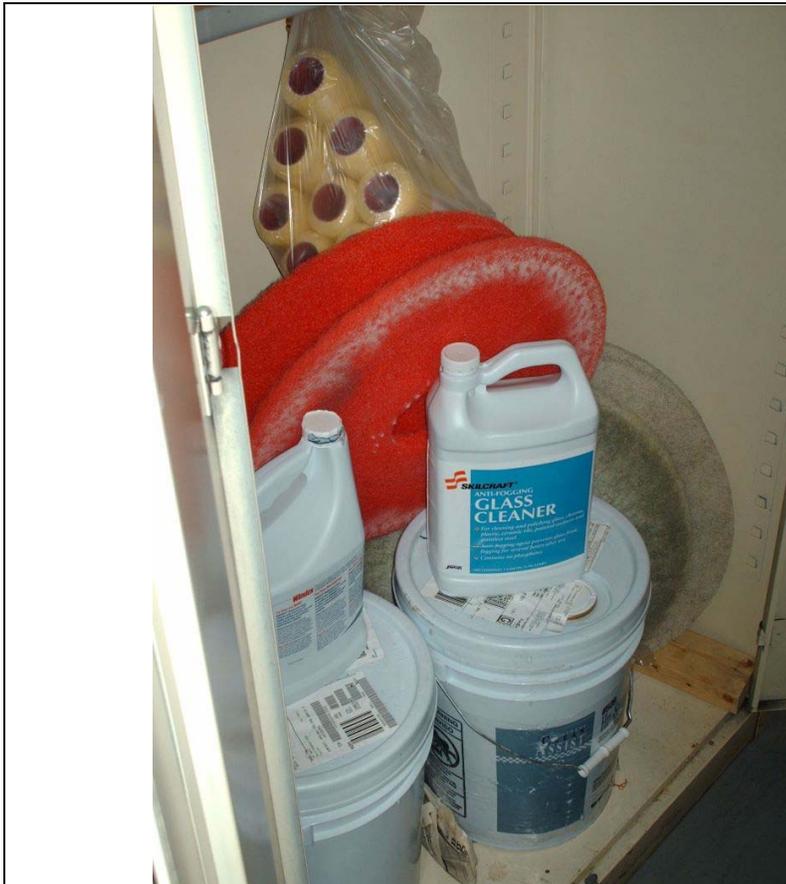


Photo VSI-14: Building 128 – typical janitorial supply cabinet. (Source: TtNUS, 11Oct 2006)

APPENDIX D



Photo VSI-15: Building 128 – used fluorescent light bulbs in storage closet. (Source: TtNUS, 11Oct 2006)



Photo VSI-16: Wooded area of Parcel 1 on west side of Building 128. Weather Service radar in background. (Source: TtNUS, 11Oct 2006)

APPENDIX E
ADJACENT PROPERTY INSPECTION

APPENDIX E
ADJACENT PROPERTIES OBSERVATIONS TABLE
NAVAL RESERVE CENTER DULUTH, MINNESOTA
October 11, 2006

North	South	East	West
<p>Bordered immediately to the northwest by a wooded area and the National Weather Service radar, and to the north and northeast by Parcel 2 (leased property) which includes Bldg 201 (Garage), two parking lots and open land. (1, 2, 3)</p> <p>Bldg 201 has a flammable storage locker used to store lawn mower gasoline and oil. (5) There are 3 vehicle bay doors that open into one large area. There are no floor drains or lifts. Per CDR Isaacson, no vehicle maintenance was performed in the garage. It was used by the Naval Coastal Warfare Unit (NCWU) for tool storage and for vehicle storage. (6, 7, 8)</p> <p>The metal shed addition to Bldg 201 is used for storage of recreational equipment such as a boat, canoes and snowmobiles. (9, 10) Dark soil was observed on the dirt floor of the metal shed. The soil did not have an unusual odor. Soil samples were collected in front of the shed as part of the Parcel 2 EBS 2. No contaminants were detected.</p> <p>Further to the northwest is a Defense Reutilization and Marketing Office facility (ANG IR Site 3) and to the northeast are ANG aboveground fuel storage tanks (ANG IR Site 4) and the Cirrus aircraft manufacturing plant. (4) According to the Parcel 2 EBS author (H. Pokorny, Versar), ANG IR documents and the Parcel 2 field work suggest there is likely a groundwater divide in Parcel 2 with groundwater to the north of Parcel 1 flowing N-NE, and groundwater in Parcel 1 flowing S-SE. Based on groundwater flow direction and Parcel 2 EBS sampling results, Parcel 1 is not likely to be impacted by these sites.</p>	<p>South across Highway 53 (four lane divided highway) are a family services center, home center, mobile home sales and motel. (17, 18, 19)</p> <p>The EDR report¹ indicates there are a number of leaking underground storage tank (LUST) sites south of the Subject Property across Highway 53. Based on an area reconnaissance, the mapped locations in the EDR report are not highly accurate, and few of the sites are actually as close to the Subject Property as they appear on the EDR Detail Map. Based on a presumed groundwater flow direction of S-SE and the topographical locations (south) of these sites, they are not likely to affect the Subject Property.</p>	<p>Immediately east of the Subject Property is the NRRI facility which is bordered to the southeast along the north side of Highway 53 by a car wash, Curtis Oil/Firestone (petroleum, propane and tire sales), and a service station. (13, 14, 15, 16)</p> <p>The EDR report indicates there are several LUSTs in this direction, including a potential LUST at the NRRI facility. The address in the Minnesota Pollution Control Agency database for the LUST at NRRI is incorrect. The NRRI Administrative Director is reviewing their files to determine if there was a LUST at their facility. Based on a presumed groundwater flow direction of S-SE and the topographical locations (east and SE) of these sites, they are not likely to affect the Subject Property.</p>	<p>The area west of the Subject Property is primarily woods and the National Weather Service radar facility. (19, 20)</p> <p>Several LUST sites and a leaking aboveground storage tank site were identified in the EDR report west of the Subject Property. Based on a presumed groundwater flow direction of S-SE and the sites being located either south of Highway 53 and/or greater than ¼-mile from the Subject Property, they are not likely to impact the NRC property.</p>

Note: Adjacent property photograph numbers are shown in parentheses.

¹ EDR Radius Map with Geocheck, Naval Reserve Center Duluth, Hermantown, Minnesota 55811. Sept. 22, 2006.

Adjacent Property Photographs

APPENDIX E



Photo Adj Prop 1: North adjacent property facing NW. Parcel 2 Building 201 (Garage and metal shed) in foreground; ANG DRMO/IR Site 3 in background. (Source: TtNUS, 11 Oct 2006)



Photo Adj Prop 2: North adjacent property facing north. Parcel 2 parking lots in foreground; ANG ASTs/IR Site 4 in background. (Source: TtNUS, 11 Oct 2006)

APPENDIX E



Photo Adj Prop 3: North adjacent property facing NE. Parcel 2 parking lots in foreground; Airport Road and Cirrus aircraft mfg. facility in background. (Source: TtNUS, 11 Oct 2006)



Photo Adj Prop 4: North and east adjacent properties facing NE. Airport Road in foreground; Cirrus and offsite parking lots in background. (Source: TtNUS, 11 Oct 2006)

APPENDIX E



Photo Adj Prop 5: Building 201 – flammable storage locker – contained lawnmower gas and oil. (Source: TtNUS, 11 Oct 2006)



Photo Adj Prop 6: Building 201 – work bench and tool storage area. (Source: TtNUS, 11 Oct 2006)

APPENDIX E



Photo Adj Prop 7: Building 201 – garage bay area. (Source: BRAC PMO NE, 11 Oct 2006)

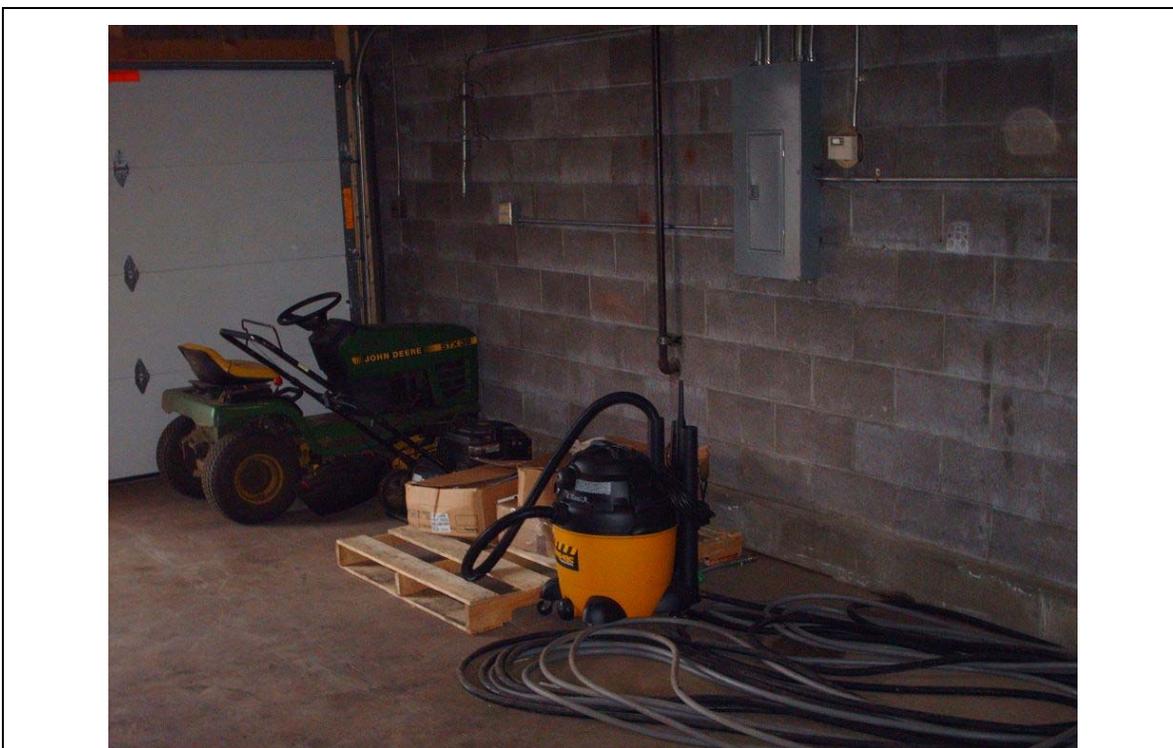


Photo Adj Prop 8: Building 201 – lawn mower and equipment stored in garage bay area. (Source: TtNUS, 11 Oct 2006)

APPENDIX E



Photo Adj Prop 9: Building 201 – metal shed addition; storage of recreational equipment. Note dark soil in background. (Source: TtNUS, 11 Oct 2006)



Photo Adj Prop 10: Building 201 – metal shed addition; storage of empty drums used with caution tape to set up barricades. (Source: TtNUS, 11 Oct 2006)

APPENDIX E



Photo Adj Prop 11: All NRC buildings looking to south across Parcel 2 parking lot. (Source: TtNUS, 11 Oct 2006)



Photo Adj Prop 12: Drainage swale between Parcel 2 parking lots facing east. (Source: TtNUS, 11 Oct 2006)

APPENDIX E



Photo Adj Prop 13: East adjacent property, NRRI facility, looking SE across Parcel 2 parking lot. (Source: TtNUS, 11 Oct 2006)



Photo Adj Prop 14: Front of NRRI building that faces Highway 53. View from SE corner of NRC Parcel 1. (Source: TtNUS, 11 Oct 2006)

APPENDIX E



Photo Adj Prop 15: SE adjoining properties on north side of Hwy 53 and east of NRRI – car wash, Curtis Oil/Firestone (ASTs/propane). (Source: TtNUS, 11 Oct 2006)



Photo Adj Prop 16: SE adjoining properties on north side of Hwy 53 and east of NRRI – Curtis Oil/Firestone and service station. (Source: TtNUS, 11 Oct 2006)

APPENDIX E



Photo Adj Prop 17: View down Airport Road at south adjacent property – Highway 53 and mobile home sales in background. (Source: TtNUS, 11 Oct 2006)



Photo Adj Prop 18: View SW across Highway 53 from NRC – Billman Home Center on left and Hermantown Family Resources Center on right. (Source: TtNUS, 11 Oct 2006)

APPENDIX E



Photo Adj Prop 19: View west down Highway 53 – NRC and National Weather Service radar are on right; motel, mobile home sales and Billman Home Center are on left. (Source: TtNUS, 11 Oct 2006)



Photo Adj Prop 20: View west down Highway 53 from NRRI – woods shown are on NRC property. (Source: TtNUS, 11 Oct 2006)

**APPENDIX F
INTERVIEWS**

Interview Notes
Naval Reserve Center Duluth, Minnesota
Identification of CERFA Uncontaminated Property
October 11, 2006

Interviewers: Lawson Anderson (TtNUS) and Dawn Kincaid (BRAC PMO NE)

Interviewee: PSC (Chief) Kenneth Branning

Notes:

1. PSC Branning will have been at NRC Duluth four years this December.
2. There are limited environmental records available for review due to the nature of the activities conducted at NRC Duluth (primarily classroom training). He had CPO Garcia retrieve all available environmental records and facility drawings.
3. No hazardous materials usage or hazardous waste generation at facility, thus no inventories.
4. Navy Coastal Warfare Unit – has been at NRC from 1998 until recently. They had a flammable storage locker in which they stored quarts to gallons quantities of materials used to maintain a 2-1/2 ton truck (in Parcel 2 garage). No releases or leakage.
5. Natural gas boiler – no steam heat since Navy took over facility from U.S. Air Force.
6. No septic system – always on municipal system.
7. Cirrus (Cessna aircraft manufacturer northeast of NRC) uses the Parcel 2 parking lot.
8. DRMO facility to northwest is now drop-off only. Formerly, DRMO sent a truck to pick up items. Since January 2006, package yourself and take to DRMO.
9. No motor pool – government vehicle maintenance is performed offsite.
10. Drained and disposed of PCB oil in mill (lathe?) in garage prior to shipping the equipment off.

Interview Notes
Naval Reserve Center Duluth, Minnesota
Identification of CERFA Uncontaminated Property
October 11, 2006

Interviewers: Lawson Anderson (TtNUS) and Dawn Kincaid (BRAC PMO NE)

Interviewee: CPO "Doc" Garcia

Notes:

1. CPO Garcia has been at NRC Duluth since April 2005.
2. CPO Garcia provided all available environmental records and facility drawings for review.
3. No hazardous materials usage or hazardous waste generation at facility, thus no inventories. Medical wastes (syringes) are generated. Used syringes are placed in sharps container which is disposed of by Air National Guard.
4. Boiler room sump is a condensation pit connected to sanitary sewer per 1984 facility plans.
5. Phase II sampling was recently conducted as part of the Parcel 2 (leased property) EBS.
6. The metal shed addition (Morale, Welfare and Recreations storage) to Building 201 (Garage) on Parcel 2 was sampled. The garage is slab on grade construction with no floor drains. It has a paint storage closet.
7. No USTs, ASTs or OWSs on property.
8. Does not know whether the proposed asbestos removal project outlined in February 22, 1995 specifications document was ever implemented.
9. Does not know how or where the steam lines that once connected Building 128 boiler room to the former SAGE facility (now NRRI) were disconnected.
10. Assisted CDR Isaacson with room-by-room tour of NRC buildings.

Interview Notes
Naval Reserve Center Duluth, Minnesota
Identification of CERFA Uncontaminated Property
October 11, 2006

Interviewers: Lawson Anderson (TtNUS) and Dawn Kincaid (BRAC PMO NE)

Interviewee: CDR Erik Isaacson

Notes:

1. CDR Isaacson is Commanding Officer of NRC Duluth.
2. No hazardous materials usage or hazardous waste generation at facility, thus no inventories.
3. Navy Coastal Warfare Unit – one of 6 units for defending ports. Went from active to reserve when they moved to NRC, so they brought only tools and a few trucks (used/stored hazardous materials at previous location).
4. 1990 – stucco added to outside of Building 128.
5. NRRRI = former SAGE building (Cold War radar installation).
6. Sheds – Sea Cadets storage (uniforms, etc.) and smoking area.
7. Garage – mill (lathe?) contained PCB oil. No lifts and no vehicle maintenance.
8. Plastic drums in Morale, Welfare and Recreation (MWR) storage area of garage (metal shed addition) are used with caution tape to form barricades when security levels are raised.
9. No motor pool – government vehicle maintenance is performed offsite.
10. Drained oil from mill (lathe?) in garage prior to shipping the equipment off.
11. Does not know whether the proposed asbestos removal project outlined in February 22, 1995 specifications document was ever implemented.
12. Does not know how or where the steam lines that once connected Building 128 boiler room to the former SAGE facility (now NRRRI) were disconnected.
13. Provided room-by-room tour of NRC buildings.

**APPENDIX G
SAMPLING DATA**

Appendix G – Sampling Data

No sampling was conducted as part of this CERFA process at NRC Duluth, Minnesota. Sampling data for the north adjacent properties (Parcel 2 and ANG IR Sites 3 and 4) are included and discussed in the following referenced document and are incorporated by reference:

U.S. Navy, 2006. (Engineering Field Activity, Midwest, Naval Facilities Engineering Command) Environmental Baseline Survey, Parcel 2, 5.27 Acres of Leased Land Adjacent to Naval Reserve Center, Duluth, Minnesota. Great Lakes, Illinois, September 2006.

**APPENDIX H
REGULATOR COMMENTS**

Naval Reserve Center, Duluth, Minnesota
CERFA Identification of Uncontaminated Property

Letter of transmittal for Navy submission of CERFA Report to Minnesota Pollution Control Agency (dated December 15, 2006) is attached. No comments received. No revisions made to this report based on concurrence of regulators.



DEPARTMENT OF THE NAVY
BASE REALIGNMENT AND CLOSURE
PROGRAM MANAGEMENT OFFICE, NORTHEAST
4911 SOUTH BROAD STREET
PHILADELPHIA, PA 19112-1303

5090
Code BPMP NE/RL
Ser 07-020
15 December 2006

Mr. Brad Moore, Commissioner
Minnesota Pollution Control Agency
520 Lafayette Road
St. Paul, MN 55155-4194

Dear Mr. Moore:

SUBJECT: DISTRIBUTION OF DRAFT CERFA REPORT FOR NAVAL RESERVE
CENTER DULUTH, MN

1. The Comprehensive Environmental Response Compensation and Liability Act (CERCLA), Section 120(h)(4), as amended by the Community Environmental Response Facilitation Act (CERFA), requires the Navy to identify real property on which no hazardous substances and no petroleum products or their derivatives were known to have been released or disposed of prior to transfer of the property to non-federal entities.
2. The attached Identification of Uncontaminated Property report for the Naval Reserve Center Duluth, MN has been prepared to satisfy the requirements of CERFA. Two copies are provided for your use.
3. For non-NPL sites, this identification is not complete until concurrence is obtained from the appropriate State official. In accordance with CERFA concurrence is deemed to be obtained if, within 90 days after receiving a request for concurrence, the State has not acted either by concurring or declining to concur on this request.
4. Please provide your concurrence or non-concurrence on this report. If you have comments on this report, please provide them by 1 March 2007 so that they can be incorporated so that you can support concurrence with the final report.

5. If you have any questions, please do not hesitate to contact me at (215) 897-4915.

Sincerely,



Dawn Kincaid, P.E.

By direction of BRAC PMO

Encl:

(1) Draft CERFA Report for NRC Duluth, MN dated 15 Dec 2006

Copy to:

NRC Duluth, attn: CDR Erik Isaacson

CNRMW Great Lakes, attn: Mr. Bruce Mack

PMO NE, attn: Ms. Elaine Preston