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## **Appendix F**

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**STS Consultants, Ltd. – “Phase I Environmental Site  
Assessment – Mountain Iron Dump in Mountain Iron,  
St. Louis County, Minnesota”**

**STS Consultants Ltd.**

C O N S U L T I N G   E N G I N E E R S

**Minnesota Pollution  
Control Agency**

**Phase I ESA - Mountain Iron Dump,  
in Mountain Iron,  
St. Louis County, Minnesota**

**Minnesota Pollution Control Agency**

Site Remediation Section  
520 Lafayette Road North  
St. Paul, MN 55155-4194

RECEIVED

NOV 29 2000

MPCA, Metro District  
Site Remediation

Phase I Environmental Site Assessment -  
Mountain Iron Dump in Mountain Iron,  
St. Louis County, Minnesota

**Minnesota Pollution  
Control Agency**

Phase I ESA - Mountain Iron Dump,  
in Mountain Iron,  
St. Louis County, Minnesota

97511-D

November 15, 2000





STS Consultants, Ltd.  
Solutions through Science & Engineering

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November 15, 2000

Mr. Thomas C. Whear  
Minnesota Pollution Control Agency  
Site Remediation Section  
520 Lafayette Road North  
St. Paul, MN 55155-4194

Re: Phase I Environmental Site Assessment - Mountain Iron Dump  
in Mountain Iron, St. Louis County, Minnesota; STS Project 97511-D

Dear Mr. Whear:

The Phase I Environmental Site Assessment (ESA) for the Mountain Iron Dump has been completed. The work was performed for the Minnesota Pollution Control Agency Dump Assessment Study by STS Consultants, Ltd. under contract No. M-4995. The project was funded through State of Minnesota and U.S. Environmental Protection Agency sources. If you have any questions, please contact us at 763/315-6300.

Sincerely,

STS CONSULTANTS, LTD.

A handwritten signature in cursive script, reading 'Gary J. Rathbun'.

Gary J. Rathbun, PSS  
Senior Soil Scientist

A handwritten signature in cursive script, reading 'Robert L. DeGroot'.

Robert L. DeGroot, PG PE  
Principal Engineer

CAD/dn  
Encs.  
C611D007.DOC

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**Phase I Environmental Site Assessment  
Mountain Iron Dump in Mountain Iron,  
St. Louis County, Minnesota**

**EXECUTIVE SUMMARY**

**Site Location**

The Mountain Iron Dump is located approximately one mile southeast of Mountain Iron, in St. Louis County, Minnesota.

**Ownership**

The Mountain Iron Dump property is owned by U.S. Steel Corporation.

**Size**

The dump footprint covers approximately four acres.

**Site History**

Waste disposal at the Mountain Iron Dump appears to have started sometime after 1940 and continued until the 1980s. Municipal and industrial wastes were disposed at the Mountain Iron Dump. Open burning occurred.

The dump surface, currently used as a staging area by the Mountain Iron Department of Public Works, is poorly vegetated. Dump side slopes are well vegetated. Few exposed wastes (chunks of concrete) were observed. A pond and associated marsh are adjacent to the north side of the dump.

## **1.0 INTRODUCTION**

### **1.1 Site Description**

The project site is located approximately one mile southeast of Mountain Iron on the east side of County Road 102 approximately 1/4 mile north of its intersection with U.S. Highway 169 in Mountain Iron, Minnesota, see Figure 1 in Appendix A. The former Mountain Iron dumpsite is currently used for storage of culverts, water pipes, light poles and road aggregate by the City of Mountain Iron Public Utilities Department. The dumpsite is owned by U.S. Steel Corporation. The former Mountain Iron Dump is located in part of the Northeast 1/4 of the Southwest 1/4 of Section 30, Township 58, Range 18 in St. Louis County, Minnesota.

The Mountain Iron Dump is bordered on the north by a pond and marsh, on the south by a trail (former railroad track), on the east by woods, and on the west by an electrical substation and County State Aid Road 102.

### **1.2 Scope of Work**

The Phase I Environmental Site Assessment was performed in general conformance with ASTM E 1527-97, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process and the Minnesota Pollution Control Agency (MPCA) Voluntary Investigation and Cleanup (VIC) Guidance Document No. 8, as applicable. The scope of work was detailed in STS Proposal 610708PP to the MPCA Dump Assessment Program dated February 29, 2000.

- Geologic Map of Minnesota - Quaternary Geology, Minnesota Geological Survey, 1982
- Geologic Map of Minnesota - Bedrock Geology, Minnesota Geological Survey, 1970
- Geologic Map of Minnesota - Depth to Bedrock, Minnesota Geological Survey, 1982
- U.S. Geological Survey Topographic Map from 3-D Topo Quads, DeLorme, 1999
- County Well Index, Minnesota Geological Survey

## 2.2 Site History

The sources used to develop a site history are described in Sections 2.2.1 through 2.2.6 below. A chronological site history is presented in Section 2.2.7.

2.2.1 Aerial Photographs - Aerial photographs from 1940 and 1991 were reviewed at the University of Minnesota Borchert Map Library in Minneapolis, Minnesota. Copies of the aerial photographs are included in Appendix B.

2.2.2 Contact with U.S. Steel Corporation - Ms. Stephani L. Campbell, Environmental Control Engineer for U.S. Steel, indicated no file information was available. Ms. Chrissy Hedblom, Management Associate with U.S. Steel, was interviewed regarding other U.S. Steel environmental sites identified in the environmental database report, see Section 2.3 of this report.

2.2.3 Contact with City of Mountain Iron - Mr. Don Kleinschmidt, Director of Public Works for the City of Mountain Iron, was contacted regarding information about the Mountain Iron Dump. Mr. Kleinschmidt indicated that no file information was available at the City of Mountain Iron to his knowledge. Mr. Kleinschmidt has been with the City of Mountain Iron for the past 22 years.

2.2.4 Contact with St. Louis County - Mr. Terry Soderberg of the St. Louis County Solid Waste Office was contacted for information regarding the Mountain Iron Dump. No file information was available according to Mr. Soderberg.

Mr. Kleinschmidt indicated that public water supply serves the area in the vicinity of the Mountain Iron Dump. A commercial building located west across County State Aid Road 102 from the dump is connected to municipal water supply. Mr. Kleinschmidt was not aware of any private water wells in use near the dump. Mr. Kleinschmidt also indicated that two municipal wells located approximately 1/4 mile northeast of the dump were active.

The 1991 aerial photograph showed the dumpsite and surrounding area in the same apparent configuration as exists today.

### **2.3 Environmental Database Review**

Potential risk sites on government databases were searched by Environmental Data Resources, Inc. (EDR). The database sources and ASTM search distances are listed below. The EDR search radii meet or exceed the ASTM search distances.

<u>Database Sources</u>	<u>Search Distance</u>
Federal NPL Site List	1.0 mile
Federal CORRACTS List	1.0 mile
State SHWS (State Hazardous Waste Sites)	1.0 mile
Minnesota Voluntary Investigation and Cleanup (VIC) Program	0.5 mile
Federal CERCLIS List	0.5 mile
Federal RCRIS TSD List (treatment, storage, disposal facilities)	0.5 mile
State LUST (Leaking Underground Storage Tanks)	0.5 mile
State SWF (permitted as solid waste landfills, incinerators, or transfer stations)	0.5 mile
State UST (registered underground storage tanks)	property and adjoining properties
Federal RCRA generator list	property and adjoining properties
Federal ERNS (Emergency Response Notification System of Spills) List	property only

The complete EDR report is included in Appendix D.

A review of the standard environmental record sources revealed the following:

No mapped solid waste facility (SWF) sites were identified within a 0.5-mile radius of the project site. The one landfill listed in the EDR Orphan Summary is located greater than 1/2 mile from the project site based on a conversation with Ms. Chrissy Hedblom, Management Associate with U.S. Steel Corporation.

9. No mapped underground storage tank (UST) sites were identified within a 1/4 mile radius of the project site. The one UST site listed in the EDR Orphan Summary is not adjacent to the project site, based on a conversation with Ms. Chrissy Hedblom, Management Associate with U.S. Steel Corporation.
10. No small generators of hazardous waste were identified within a 1/4 mile radius of the project site.
11. No U.S. EPA ERNS or state spills list sites were identified on the project site.

#### **2.4 Site and Vicinity Reconnaissance**

A site walk-over and vicinity reconnaissance was performed on April 12, 2000 by Mr. Gary Rathbun of STS Consultants, Ltd. Mr. John Curry of the MPCA accompanied Mr. Rathbun during the walk-over of the project site.

The Mountain Iron Dump is currently used as a staging area by the City of Mountain Iron Public Works Department, see Photographs 1 and 2 in Appendix E. Pipes, culverts, road aggregate materials and power poles were stored on the surface of the dump.

Little vegetation was observed on the top surface of the dump. The top surface was sloped to promote runoff of precipitation. Side slopes of the dump were well vegetated.

2.6.2 Groundwater - Surface water in the marsh may be an expression of groundwater. Dump materials are likely in contact with groundwater. Potential for groundwater impacts exists.

2.6.3 Human Contact - Few exposed waste materials were observed. Potential for human contact with the waste materials appears minimal.

2.6.4 Animal Contact - Animal trails were observed crossing the dumpsite. No obvious animal burrows were observed in dump cover soils. Potential for animal contact with waste materials appears minimal.

2.6.5 Airborne Contact - Few exposed wastes were observed. Potential for contact with airborne particulates (dust from waste materials) appears minimal.

No residences are located adjacent to the dump. Potential for methane impacts to buildings does not exist.

#### **4.0 GENERAL QUALIFICATIONS**

The Phase I Environmental Site Assessment was prepared by STS Consultants, Ltd. for the sole use of the MPCA under Contract No. M-4995, Work Order SFSTS0008.

The information presented in this report is based on literature and informal discussions with various agencies and personnel. The conclusions presented above are the result of our professional interpretation of the information collected in this study. Many conclusions in the evaluation were based on information from others and readily available information. Therefore, if new information is disclosed or an alteration of the informal and verbal information occurs, it could result in the redirection of the conclusions presented in this report. The soil and groundwater on this property have not been chemically analyzed and their quality has not been evaluated. STS Consultants, Ltd. does not "certify" or guarantee that any property is free from environmental impairment.

## APPENDICES

### APPENDIX A - Figures

Figure 1 - Site Location Diagram

Figure 2- MPCA GIS Map

### APPENDIX B

Aerial Photographs

### APPENDIX C - Selected File Information

MPCA File Information

MDH Site Visit Memorandum

### APPENDIX D

EDR Environmental Database Report

### APPENDIX E

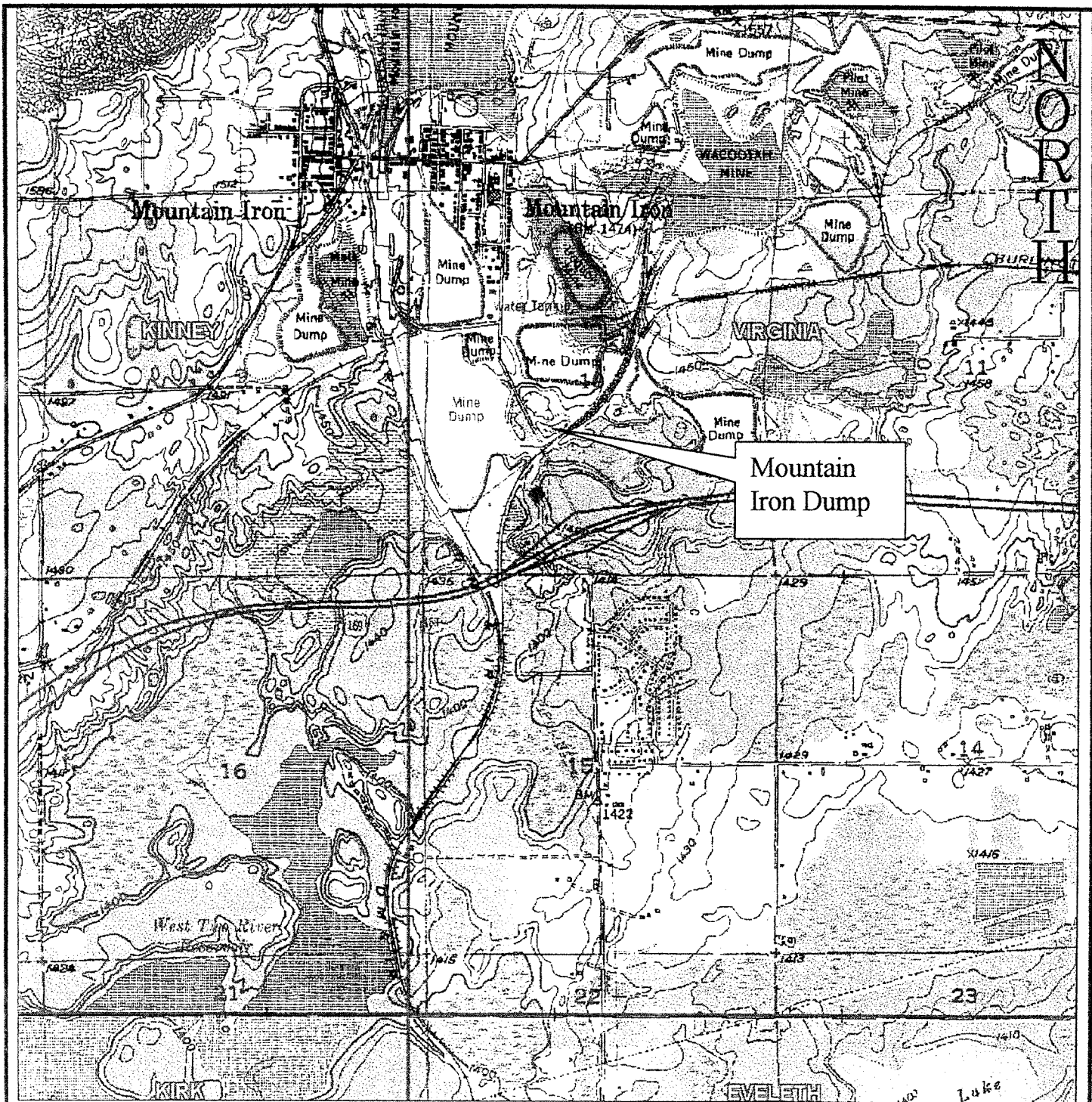
Photographs

T S C O N S U L T A N T S , L T D .



A

A



3-D TopoQuads Copyright © 1999 DeLorme Vermont, ME 04096 Source Data: USGS

700 ft Scale: 1:24,000 Detail: 13:1 Datum: WGS84



STS Consultants, Ltd.  
Consulting Engineers

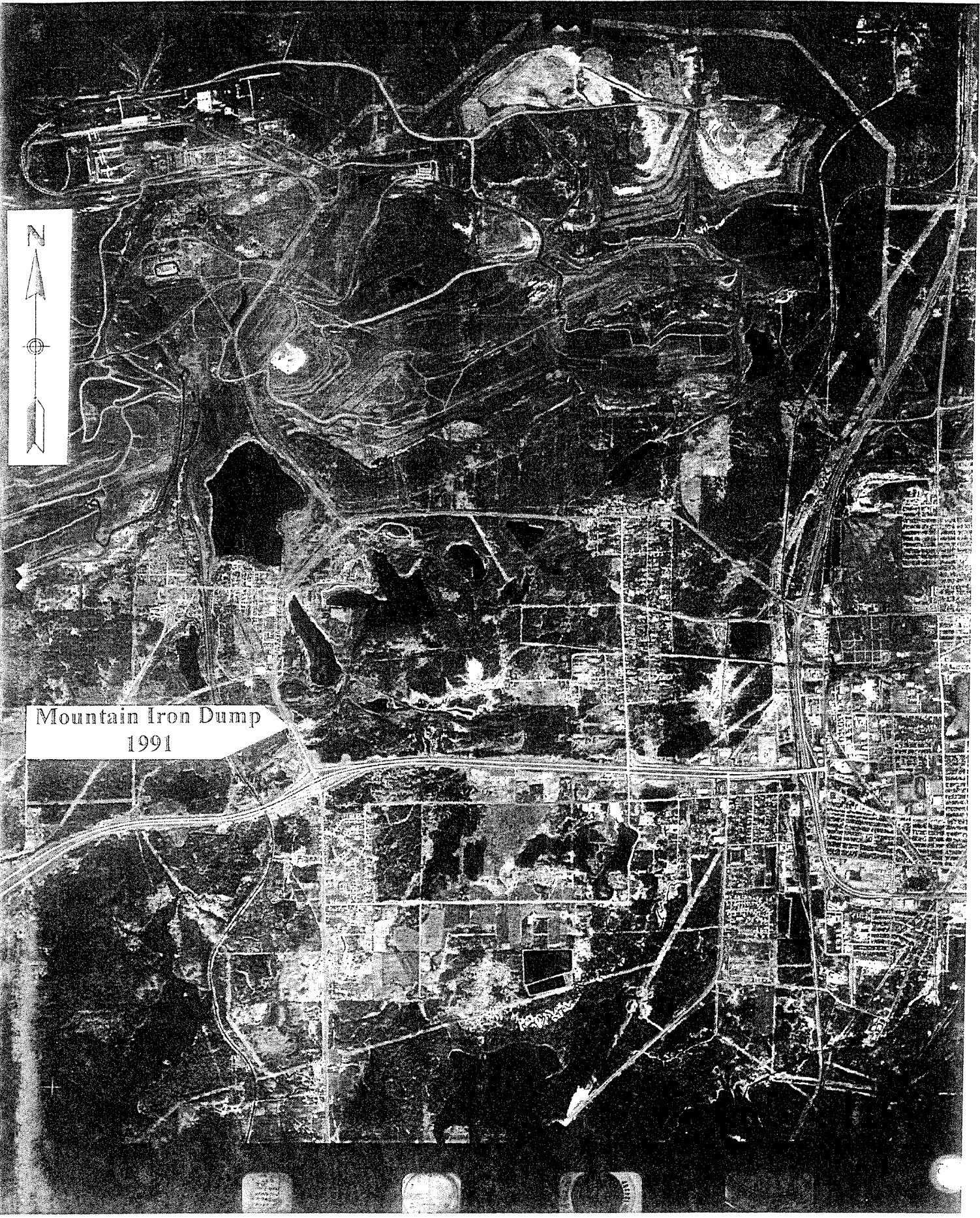
**SITE LOCATION DIAGRAM**  
**Phase I Environmental Site Assessment**  
**Mountain Iron Dump**  
**Mountain Iron, Minnesota**

DRAWN BY	JPR
CHECKED BY	GJR
APPROVED BY	RLD
CADFILE	SCALE 1" = 2000'
STS PROJ. 97511-D	FIGURE NO. 1

CIR-31-20

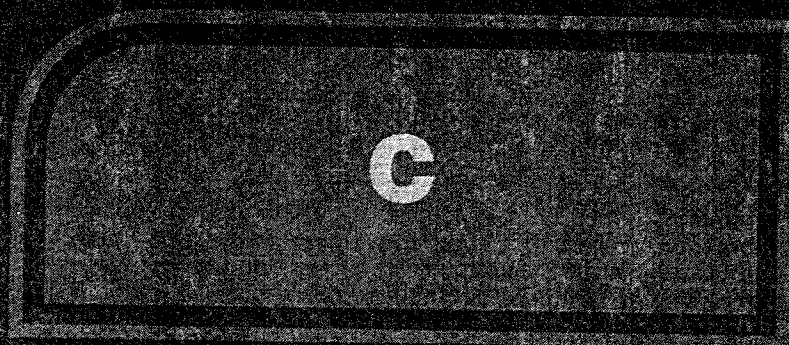
Mountain Iron Dump  
1940





Mountain Iron Dump  
1991

S T S C O N S U L T A N T S , L T D .



MINNESOTA POLLUTION CONTROL AGENCY

Route to:

- (1) C. Meyer <sup>of 10/2</sup>  
(2) P. Davis <sup>de 10/6/81</sup>  
(3) P. Brett <sup>10/26</sup>  
(4) ~~65-1016~~ 49-82

OFFICE MEMORANDUM

FILE Mintac Dump SL-183

Location Mt. Iron St. Louis  
(city, village, township, section, range, county, etc.)

Subject Continual use of the present Mintac dump for  
Industrial waste and Demo material  
By Whom M. J. Tibbets Date 9-30-81

Investigation      Conference      Office      Hearing      Meeting       
Field     

Phone ✓

Items to be Covered: (1) Those present and/or those interviewed  
(2) Situation  
(3) Further action, follow-up, recommendation

① Jon Christofferson, Paul Haatja U.S.S. Mintac, M.  
Tibbets MPCA.

② Jon gave me a status report on the closure  
of the Mintac dump site. He said that Mintac  
has begun to haul their garbage type wastes  
to East Missabe SLF (SW-97). Jon claims that  
the S.L.F. will not take large non-recyclable  
scrap metal (rubber coated rollers), Demo material or  
lg rubber conveyor belts. U.S.S. is requesting permission  
from the Hwywy to dispose of this material at  
the present dump site until an alternative site can  
be secured. USS is in the process of looking at  
concrete sites (on USS property) for disposal of  
MPCA-SWD-2 this type of material. ③ After discussion

ACTION

## BASELINE EVALUATION SUMMARY

St. Louis

(If you need additional space for any of the below questions, please attach another sheet of paper)

SITE NAME: Municipal Iron Dump SITE ID NUMBER #2593SITE LOCATION: 1/2 mile N.E. of Inter. of US. 169 & I.S.A.N. 102, No. of 169GPS/Digitized ☐ City M. Iron County St. Louis Sec 10 T 58R BW A, B, D

Attach map of location

Reviewer's Name: John CurryIs this Site within Native American Tribal Jurisdiction? NO Which one?Baseline Evaluation Decision (see back for Decision options): ACTION

Rationale for Decision

Decision Date: 4/9/98

The site is completely covered and used as a staging area for M. Iron Hwy Dept. - there appear to be several wells (approx. 7) quite close to the site - I feel it requires a further look

no other receptors, Munic. Well - Mt. Iron 3/4 mi to N.W.

there are 117 wells, including 1 municipal well within a 1/2 mile radius of the site - do some sampling and I.D. logs

Origin of Site (i.e. ODI, Tanks and Spills, citizen complaint, etc.) and describe why this site is of concern O.D.I. - there are 17 wells within a 1/2 mi.

radius of the site

Site Visit Conducted? ☒ Site Visit Photos attached? ☒ Date of Site visit 4/8/98

Describe on-site and surrounding land use, past and present. Attach site visit notes.

Old municipal dump site - about 1 acre +, now covered and used by M. Iron Public Works

Which of the media below are, have been or potentially could be impacted by activities at the Site? Describe. Attach additional sheet if necessary.

☒ Soil ☐ Sediment ☒ Groundwater ☐ Surface Water ☐ Air

An unlined site which open burned for years - closed in 1972

What are the potential receptors (human and ecological) for each of the media (pathways) checked above? Describe. Attach additional sheet if necessary.

☒ Soil- i.e. direct contact ☐ Sediment- i.e. wetlands, foodchain ☒ Groundwater - i.e. wells

☐ Surface Water- i.e. wetlands, lakes, rivers ☐ Air

About 7 wells located on topo used to conduct field survey - I had trouble finding these wells

Data Reviewed (files or contacts): Include in comments section or attach name, department and phone number of contacts and pertinent notes.

<input type="checkbox"/> City Files	<input type="checkbox"/> Aerial Photos (yrs.)	<input type="checkbox"/> MN Department of Health
<input type="checkbox"/> County Files	<input type="checkbox"/> Sanborn Maps	<input type="checkbox"/> Tanks and Spills
<input type="checkbox"/> SRS Files	<input type="checkbox"/> Analytical Data	<input type="checkbox"/> RCRA Enforcement
<input type="checkbox"/> Industry Files	<input type="checkbox"/> Responsible Party	<input type="checkbox"/> MN History Center
<input type="checkbox"/> Solid Waste Files	<input type="checkbox"/> Voluntary Party - VIC	<input type="checkbox"/> MPCA Library - Cole's Directory
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Site access/owner contact	<u>Jim Venko - former Mayor, M. Iron</u>	

## OFFICE MEMORANDUM

Date: 7/28/00

To: Rita Messing, MDH – EH  
Tom Whear, MPCA  
Robert DeGroot, STS

From: Jim Kelly, MDH – EH

RE: Site Visit –Mountain Iron Dump

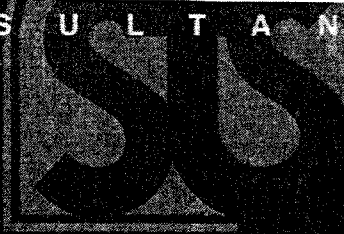
On May 31, 2000, I visited the Mountain Iron dump site. The site is located on County Road 102, ¼ mile north of Hwy 169 in Mountain Iron, St. Louis County. The dump itself is closed, but the site is still in use as a storage area for the Mountain Iron Public Works Department. Concrete pipe, culvert, and fill are stored here. The site has a gate which is closed and locked when the city staff are not at the site.

The fill area is fan-shaped mound leading off of 102, about 20'-25' above the surrounding land, with fairly steep slopes. There is a pond on the north side of the fill. The cover appears to be in good shape, with very little exposed waste. The only visible wastes are some concrete and wood on the edge nearest the pond. There was also a small area of black, sandy granular material on the surface of the dump near the access road, closer to the gate. It was unclear what this material was, but the vegetation was sparse here. It may be road salt or other such material used by the city.

The surrounding land use is recreational and industrial. A bike trail lies immediately below the dump to the south. The closest homes are about ½ mile to the north and south, and are served by city water.

There appears to be little apparent public health threat from this site. The city wells nearby are reportedly not in use.

S T S C O N S U L T A N T S , L T D .



D



**Environmental  
Data  
Resources, Inc.**  
*an edr company*

## **The EDR-Radius Map<sup>TM</sup> Report**

**Mountain Iron Dump  
St. Louis County  
Mountain Iron, MN 55768**

**Inquiry Number: 472834.1s**

**March 14, 2000**

## ***The Source* For Environmental Risk Management Data**

3530 Post Road  
Southport, Connecticut 06490

**Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-97. Search distances are per ASTM standard or custom distances requested by the user.

### TARGET PROPERTY ADDRESS

ST. LOUIS COUNTY  
MOUNTAIN IRON, MN 55768

### TARGET PROPERTY COORDINATES

Latitude (North): 47.522900 - 47° 31' 22.4"  
Longitude (West): 92.617200 - 92° 37' 1.9"  
Universal Transverse Mercator: Zone 15  
UTM X (Meters): 528818.3  
UTM Y (Meters): 5263127.0

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 2447092-E5 VIRGINIA, MN  
Source: USGS 7.5 min quad index

### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
MOUNTAIN IRON DUMP "1/3 MI NE OF INTER OF US169 / MOUNTAIN IRON, MN 55768	MN LS	N/A

### SURROUNDING SITES: 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 ASTM E 1527-97 search radius around the target property for the following Databases:

### FEDERAL ASTM STANDARD

NPL:..... National Priority List  
Delisted NPL:..... NPL Deletions  
CERCLIS:..... Comprehensive Environmental Response, Compensation, and Liability Information System  
CERC-NFRAP:..... Comprehensive Environmental Response, Compensation, and Liability Information System  
CORRACTS:..... Corrective Action Report  
RCRIS-TSD:..... Resource Conservation and Recovery Information System  
RCRIS-LQG:..... Resource Conservation and Recovery Information System  
RCRIS-SQG:..... Resource Conservation and Recovery Information System  
ERNS:..... Emergency Response Notification System

### STATE ASTM STANDARD

SHWS:..... State Haz. Waste

## EXECUTIVE SUMMARY

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

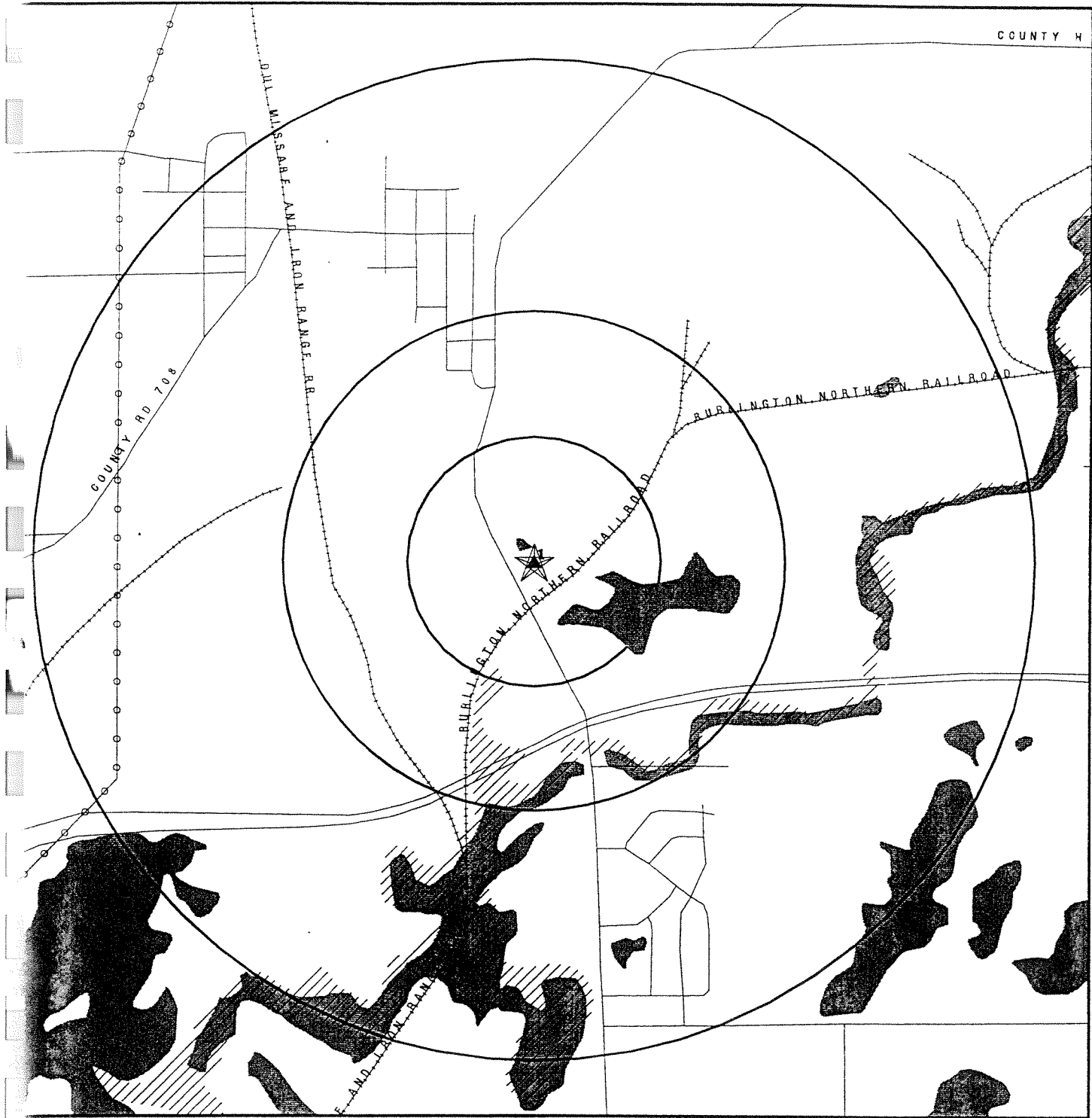
### Site Name

MINNTAC LDFL  
US STEEL CORP - RAILROAD  
INDUSTRIAL- EAST PIT  
MINTAC CORP  
MINNTAC  
US STEEL/MINNTAC EAST PIT FUEL  
US STEEL  
LOCOMOTIVE REFUELING STATION

### Database(s)

CERC-NFRAP  
SWF/LF, LUST, UST  
MN Spills, LUST  
MN Spills, LUST  
MN Spills, LUST  
LUST  
MN Spills, LUST  
LUST

# OVERVIEW MAP - 472834.1s - STS Consultants, Ltd.



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Coal Gasification Sites (if requested)

National Priority List Sites

Landfill Sites

- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Wetlands per National Wetlands Inventory (1994)

TARGET PROPERTY: Mountain Iron Dump  
 ADDRESS: St. Louis County  
 CITY/STATE/ZIP: Mountain Iron MN 55768  
 LAT/LONG: 47.5229 / 92.6172

CUSTOMER: STS Consultants, Ltd.  
 CONTACT: Gary Rathbun  
 INQUIRY #: 472834.1s  
 DATE: March 14, 2000 10:23 am

## 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
<b><u>FEDERAL ASTM STANDARD</u></b>								
NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
<b><u>STATE ASTM STANDARD</u></b>								
State Haz. Waste		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
<b><u>FEDERAL ASTM SUPPLEMENTAL</u></b>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
<b><u>STATE OR LOCAL ASTM SUPPLEMENTAL</u></b>								
AST		TP	NR	NR	NR	NR	NR	0
MN Spills		TP	NR	NR	NR	NR	NR	0
MN HWS Permit		1.000	0	0	0	0	NR	0
MN Deleted SHWS		1.000	0	0	0	0	NR	0
MN LCP		0.500	0	0	0	NR	NR	0
MN LS	X	TP	NR	NR	NR	NR	NR	0
MN VIC		0.500	0	0	0	NR	NR	0
MN Enforcement Log		TP	NR	NR	NR	NR	NR	0
BULK		TP	NR	NR	NR	NR	NR	0
MN AGSPILLS		TP	NR	NR	NR	NR	NR	0
<b><u>EDR PROPRIETARY DATABASES</u></b>								
Coal Gas		1.000	0	0	0	0	NR	0

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
MOUNTAIN IRON	1000625171	US STEEL CORP - RAILROAD	PO BOX 417	55768	SWF/LF, LUST, UST	10128
MOUNTAIN IRON	S100056255	INDUSTRIAL - EAST PIT	PO BOX 417 GA	55768	MN Spills, LUST	25825
MOUNTAIN IRON	S101280531	MINTAC CORP	PO BOX 417 GA	55768	MN Spills, LUST	13206
MOUNTAIN IRON	S101280648	MINNTAC	COUNTY ROAD 102	55768	MN Spills, LUST	20162
MOUNTAIN IRON	S103909860	US STEEL/MINNTAC EAST PIT FUEL	COUNTY RD 102	55768	LUST	6437
MOUNTAIN IRON	1000321859	MINNTAC LDFL	OLD HWY 169	55768	CERC-NFRAP	
MOUNTAIN IRON	S101280541	US STEEL	WEST PIT-MINNTAC MINE	55768	MN Spills, LUST	15394
MOUNTAIN IRON	S100699024	LOCOMOTIVE REFUELING STATION	US STEEL/MINNTAC	55768	LUST	6643

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**MOUNTAIN IRON DUMP (Continued)**

**S100712213**

Other Flag:	False
Tank Installation :	False
Tank Leaksite:	False
Spills Flag:	False
Land Clean:	False
Remarks:	Not reported
PRP Master:	04/19/1990

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **CORRACTS:** Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/07/99

Date Made Active at EDR: 10/28/99

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 09/13/99

Elapsed ASTM days: 45

Date of Last EDR Contact: 12/13/99

### **RCRIS:** Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 09/01/99

Date Made Active at EDR: 11/17/99

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 10/06/99

Elapsed ASTM days: 42

Date of Last EDR Contact: 01/03/00

### **ERNS:** Emergency Response Notification System

Source: EPA/NTIS

Telephone: 202-260-2342

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

Date of Government Version: 01/06/00

Date Made Active at EDR: 02/08/00

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 01/31/00

Elapsed ASTM days: 8

Date of Last EDR Contact: 11/01/99

## **FEDERAL ASTM SUPPLEMENTAL RECORDS**

### **BRS:** Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

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: 12/31/97

Database Release Frequency: Biennially

Date of Last EDR Contact: 12/20/99

Date of Next Scheduled EDR Contact: 03/20/00

### **CONSENT:** Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

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: Varies

Database Release Frequency: Varies

Date of Last EDR Contact: Varies

Date of Next Scheduled EDR Contact: N/A

### **ROD:** Records Of Decision

Source: NTIS

Telephone: 703-416-0223

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: 01/31/99

Database Release Frequency: Annually

Date of Last EDR Contact: 01/10/00

Date of Next Scheduled EDR Contact: 04/10/00

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### TRIS: Toxic Chemical Release Inventory System

Source: EPA

Telephone: 202-260-1531

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: 12/31/97

Database Release Frequency: Annually

Date of Last EDR Contact: 12/27/99

Date of Next Scheduled EDR Contact: 03/27/00

### TSCA: Toxic Substances Control Act

Source: EPA

Telephone: 202-260-1444

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: 12/31/94

Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 01/03/00

Date of Next Scheduled EDR Contact: 04/24/00

## STATE OF MINNESOTA ASTM STANDARD RECORDS

### SHWS: Superfund Permanent List of Priorities

Source: Minnesota Pollution Control Agency

Telephone: 612-296-6139

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

Date of Government Version: 12/01/98

Date Made Active at EDR: 04/15/99

Database Release Frequency: Annually

Date of Data Arrival at EDR: 03/16/99

Elapsed ASTM days: 30

Date of Last EDR Contact: 01/04/00

### LF: Permitted Solid Waste Disposal Facilities

Source: Minnesota Pollution Control Agency

Telephone: 612-296-1781

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: 04/01/98

Date Made Active at EDR: 11/19/98

Database Release Frequency: Varies

Date of Data Arrival at EDR: 08/25/98

Elapsed ASTM days: 86

Date of Last EDR Contact: 12/08/99

### LUST: Leak Sites

Source: Minnesota Pollution Control Agency

Telephone: 612-297-8563

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: 11/04/99

Date Made Active at EDR: 11/23/99

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/12/99

Elapsed ASTM days: 11

Date of Last EDR Contact: 01/04/00

### UST: Underground Storage Tank Database

Source: Minnesota Pollution Control Agency

Telephone: 612-297-8657

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: 10/13/99

Date Made Active at EDR: 11/04/99

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 10/19/99

Elapsed ASTM days: 16

Date of Last EDR Contact: 02/02/00

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**ENFORCEMENT:** Generators Associated with Enforcement Logs

Source: Minnesota Pollution Control Agency

Telephone: 612-297-8332

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

Date of Government Version: 01/28/00

Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/17/00

Date of Next Scheduled EDR Contact: 04/17/00

**BULK:** Bulk Facilities Database

Source: Department of Agriculture

Telephone: 612-297-5640

Facilities that use bulk pesticides and fertilizers

Date of Government Version: 11/19/99

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/19/99

Date of Next Scheduled EDR Contact: 02/14/00

**AG SPILLS:** Department of Agriculture Spills

Source: Department of Agriculture

Telephone: 612-297-5640

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

Date of Government Version: 11/19/99

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/18/00

Date of Next Scheduled EDR Contact: 05/15/00

## EDR PROPRIETARY DATABASES

**Former Manufactured Gas (Coal Gas) Sites:** The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

### **Disclaimer Provided by Real Property Scan, Inc.**

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

## HISTORICAL AND 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.

**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 March 1997 from the U.S. Fish and Wildlife Service.

**Epicenters:** World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
<b>US STEEL CORP - RAILROAD</b> <b>PO BOX 417</b> <b>MOUNTAIN IRON, MN 55768</b>  LF: Facility ID: SW-240 Contact: Nick Brascugli Contact Co.: Not reported PO Box 417 Mountain Iron, MN 55768 Facility Phone: 218/749-7532 Facility Type: Not reported Region: Not reported  LUST: Facility ID: 3180 MPCA Proj Mngr: RRS Hydrologist: Not reported Owner: US STEEL CORPORATION PO BOX 417/NORTHERN LANDS & MINERALS MOUNTAIN IRON, MN 55768 Contact: JANE KINGSTON Last Update: 10/04/1999 Date Leak Reported: 09/05/90 Site Closure Date: 10/01/92  Facility ID: 5535 MPCA Proj Mngr: RRS Hydrologist: Not reported Owner: US STEEL CORP PO BOX 417 MOUNTAIN IRON, MN 55768 Contact: JANE KINGSTON Last Update: 10/04/1999 Date Leak Reported: 09/05/90 Site Closure Date: 09/25/92  Facility ID: 5536 MPCA Proj Mngr: RRS Hydrologist: Not reported Owner: US STEEL CORP PO BOX 417 MOUNTAIN IRON, MN 55768 Contact: JANE KINGSTON Last Update: 10/04/1999 Date Leak Reported: 09/05/90 Site Closure Date: 09/25/92  Facility ID: 5537 MPCA Proj Mngr: EC Hydrologist: SGG Owner: US STEEL CORP PO BOX 417 MOUNTAIN IRON, MN 55768 Contact: STEPHANIE CAMPBELL Last Update: 10/04/1999 Date Leak Reported: 11/15/90 Site Closure Date: 03/12/97	SWF/LF LUST UST	1000625171 N/A

# DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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## US STEEL CORP - RAILROAD (Continued)

1000625171

Owner Address: PO BOX 417 - NORTHERN LANDS & MINERALS  
MOUNTAIN IRON, MN 55768

Facility ID:	10128	Telephone:	2187497529
Tank ID:	V03	Capacity:	10000
Tank Number:	V03	Material:	BARE/PAINT/ASPH COAT STEEL
Tank Status:	REMOVED	Product:	GASOLINE
Install Date:	01-jan-1962	Dispense Type:	SUBMERSIBLE
Remove Date:	Not reported	Spill Containment:	Not reported
Last Update:	10/04/1999		
Tank Location:	Under Ground	Facility Type:	INDUSTRY/MANUFACTURING
Closed Date:	Not reported	Pipe Material:	STEEL/IRON
Overfill Protect:	Not reported	Protection Type:	No Info
Tnk 2nd Cntnmnt:	Not Applicable	Pipe 2nd Cntnmnt:	Unknown
Tank Cathodic:	No	Pipe Cathodic:	No
Tank Remedial:	Not reported		
Pipe Remedial:	Not reported		
Owner:	US STEEL CORP		
Owner Address:	PO BOX 417 - NORTHERN LANDS & MINERALS		
	MOUNTAIN IRON, MN 55768		

## INDUSTRIAL- EAST PIT

PO BOX 417 GA

MOUNTAIN IRON, MN 55768

MN Spills  
LUST

S100056255  
N/A

### MN SPILLS:

Facility ID:	24284	Reported By:	Not reported
Product:	LUBE OIL	Units:	GALLONS
Amount Spilled:	30	Date Reported:	3-Sep-96
Incident Date:	9/96	Action Taken:	NO FILE, NO CONTACT WITH RP
Priority:	Not reported		
Incident:	Not reported		
Spill Cause:	EQUIPMENT FAILURE		
Location:	Not reported		
Description:	EQUIPMENT MALFUNCTION CAUSING SPILL OF LUBE OIL		
Region:	Not reported	True date:	11/01/96
Spill:	Not reported	Report:	Not reported
Project Mngr:	Not reported		
Respnbl Party:	Not reported		
MN Pollution Control Agency: DJH			

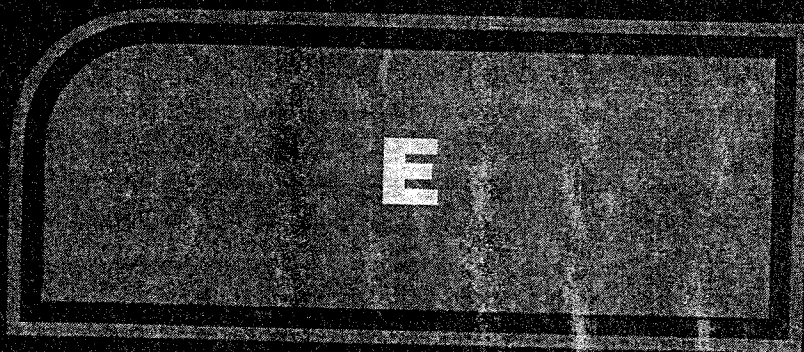
Facility ID:	25370	Reported By:	Not reported
Product:	USED OR WASTE OIL	Units:	GALLONS
Amount Spilled:	50	Date Reported:	4-Apr-97
Incident Date:	Not reported	Action Taken:	NO FILE, NO CONTACT WITH RP
Priority:	Not reported		
Incident:	Not reported		
Spill Cause:	SPILL		
Location:	Not reported		
Description:	55 GA DRUM OF WASTE OIL DRUM KNOCKED OVER TO GROUND, TO DIG UP AND SEND TO REMEDIATION		
Region:	Not reported	True date:	Not reported
Spill:	Not reported	Report:	Not reported
Project Mngr:	Not reported		
Respnbl Party:	Not reported		
MN Pollution Control Agency: RWK			

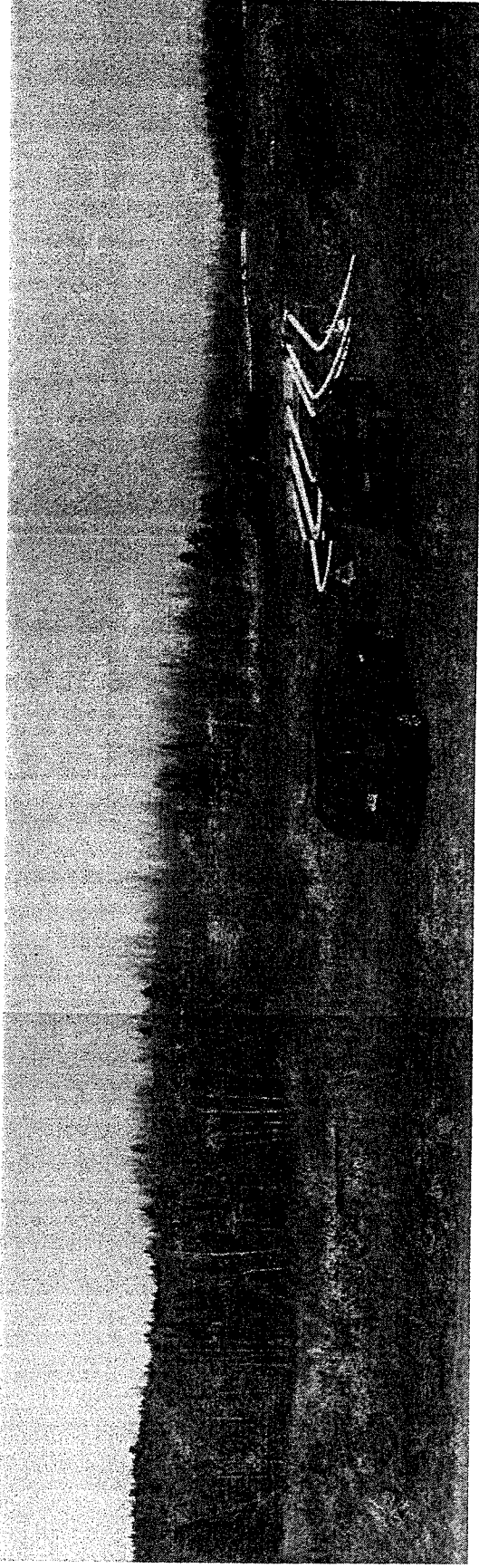
# DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
<b>MINTAC CORP</b> <b>PO BOX 417 GA</b> <b>MOUNTAIN IRON, MN 55768</b>	<b>MN Spills</b> <b>LUST</b>	<b>S101280531</b> <b>N/A</b>
<b>MN SPILLS:</b>		
Facility ID: 13206	Reported By: Not reported	
Product: JET FUEL		
Amount Spilled: 4000.00	Units: GALLONS	
Incident Date: Not reported	Date Reported: 02/09/90	
Priority: Not reported	Action Taken: Not reported	
Incident: Not reported		
Spill Cause: UST		
Location: Not reported		
Description: Not reported		
Region: Not reported	True date: Not reported	
Spill: Not reported	Report: Not reported	
Project Mngr: Not reported		
Respnbl Party: Not reported		
MN Pollution Control Agency: Not reported		
Facility ID: 24835	Reported By: Not reported	
Product: PETROLEUM PRODUCTS		
Amount Spilled: 90	Units: GALLONS	
Incident Date: Not reported	Date Reported: 19-Dec-96	
Priority: Not reported	Action Taken: NO FILE, NO CONTACT WITH RP	
Incident: Not reported		
Spill Cause: DERAILEMENT		
Location: Not reported		
Description: 959 LOCOMOTIVE DERAILED AND BROKE THE PIPE ON THE CRANK CASE. IT HAS BEEN CLEANED UP.		
Region: Not reported	True date: 03/11/97	
Spill: Not reported	Report: Not reported	
Project Mngr: Not reported		
Respnbl Party: Not reported		
MN Pollution Control Agency: RWK		
<b>LUST:</b>		
Facility ID: 2315		
MPCA Proj Mngr: RRS		
Hydrologist: Not reported		
Owner: MINTAC CORP		
P O BOX 417		
MOUNTAIN IRON, MN 55768		
Contact: JANE HARTLEY		
Last Update: 10/04/1999		
Date Leak Reported: 02/09/90		
Site Closure Date: 09/21/92		
<b>MINNTAC</b> <b>COUNTY ROAD 102</b> <b>MOUNTAIN IRON, MN 55768</b>	<b>MN Spills</b> <b>LUST</b>	<b>S101280648</b> <b>N/A</b>

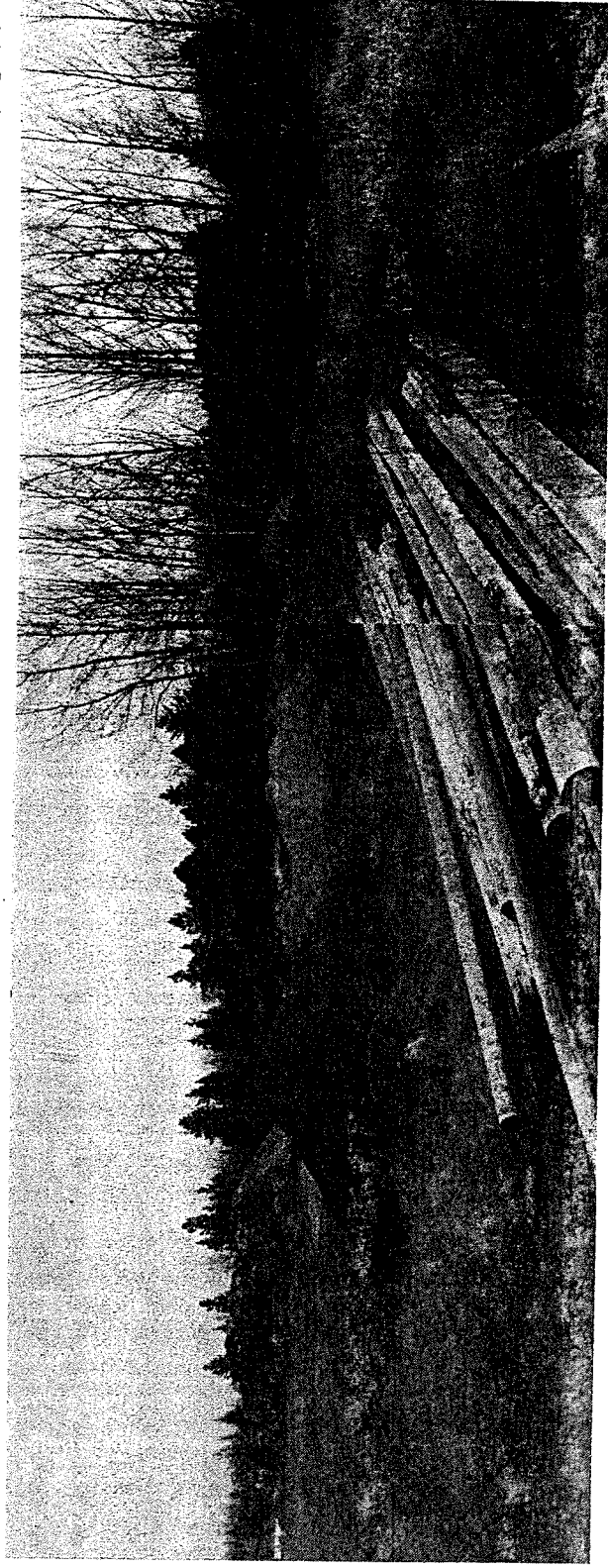
DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
MINNTAC LDFL (Continued)		1000321859
MINNTAC LDFL MINNTAC LDFL		
<b>US STEEL WEST PIT-MINNTAC MINE MOUNTAIN IRON, MN 55768</b>	<b>MN Spills LUST</b>	<b>S101280541 N/A</b>
<b>MN SPILLS:</b>		
Facility ID: 15394	Reported By: Not reported	
Product: 250- FUEL OIL / 40-		
Amount Spilled: 290.00	Units: GALLONS	
Incident Date: Not reported	Date Reported: 10/07/91	
Priority: Not reported	Action Taken: Not reported	
Incident: Not reported		
Spill Cause: ROLLOVER		
Location: Not reported		
Description: Not reported		
Region: Not reported	True date: Not reported	
Spill: Not reported	Report: Not reported	
Project Mngr: Not reported		
Respnbl Party: Not reported		
MN Pollution Control Agency: Not reported		
Facility ID: 22843	Reported By: Not reported	
Product: DIESEL		
Amount Spilled: 15	Units: GALLONS	
Incident Date: Not reported	Date Reported: 01/08/96	
Priority: UNKNOWN	Action Taken: Not reported	
Incident: Not reported		
Spill Cause: MF		
Location: Not reported		
Description: Not reported		
Region: Not reported	True date: Not reported	
Spill: Not reported	Report: Not reported	
Project Mngr: KBF		
Respnbl Party: Not reported		
MN Pollution Control Agency: Not reported		
<b>LUST:</b>		
Facility ID: 7349		
MPCA Proj Mngr: EC		
Hydrologist: SGG		
Owner: USS MINNESOTA ORE OPERATIONS		
PO BOX 417		
MOUNTAIN IRON, MN 55768		
Contact: DOUG JOHNSON		
Last Update: 10/04/1999		
Date Leak Reported: 05/04/94		
Site Closure Date: 01/22/97		
<b>LOCOMOTIVE REFUELING STATION US STEEL/MINNTAC MOUNTAIN IRON, MN 55768</b>	<b>LUST</b>	<b>S100699024 N/A</b>





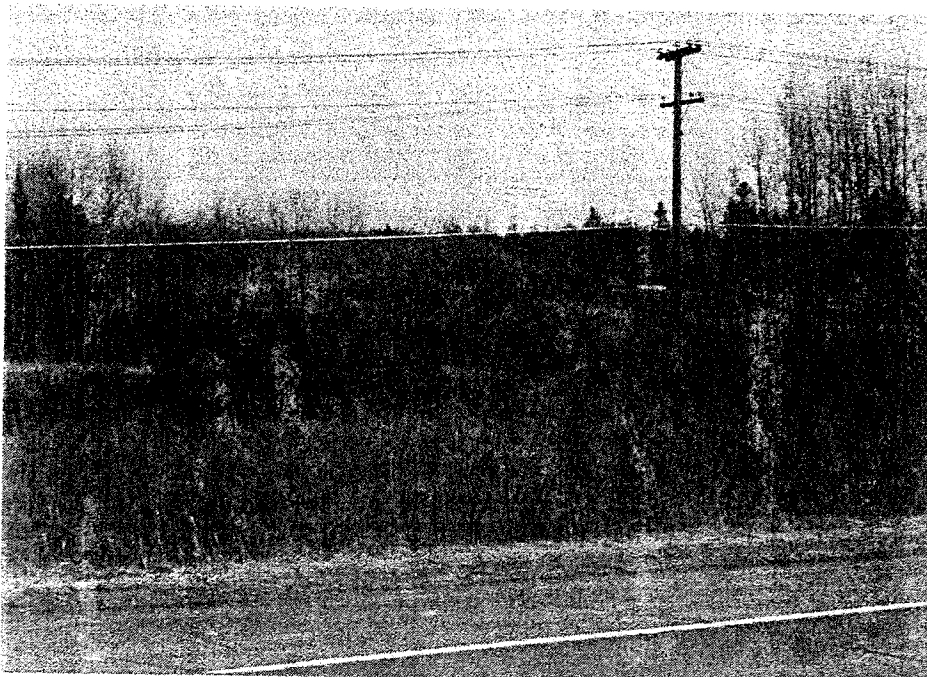
Photographs 1 and 2 - The Mountain Iron Dump is currently used as a staging area for utilities materials by the City of Mountain Iron Public Works Department. (Panorama looking northeast (left upper photograph) to southeast (lower photograph).)



MPCA - Mountain Iron Dump  
STS Project 97511-D



Photograph 3 - Few exposed wastes, such as broken concrete, were observed along the north face of the Mountain Iron Dump.



Photograph 4 - The north side of the Mountain Iron Dump (background of photograph taken looking southeast at the dump from County State Aid Road 102) borders a pond/marsh.