Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155-4194

Transmittal Form

NPDES/SDS Permit Program

Doc Type: Permit Application

Instructions on Page 6

MPCA use only
Permit Number
Date Received (MM/DD/YYYY)

The National Pollutant Discharge Elimination System (NPDES)/State Disposal System (SDS) Permit Program regulates wastewater discharges to land and surface waters. This form is required for all applicants, except permit termination/transfer.

Complete the application by typing or printing in black ink. Attach additional sheets as necessary. For more information, please contact the Minnesota Pollution Control Agency (MPCA) at: In Metro Area: 651-296-6300 or Outside Metro Area: 800-657-3864.

Existing Permit Information

Existing Permittee name: United States Steel Corporation Existing Permit number: MN 0057207

Contact Information

1. Facility Owner

Organization name: United States Steel Corporation
Mailing address: 600 Grant Street
City: Pittsburgh State: PA Zip: 15219
Telephone: N/A Fax: N/A E-mail: N/A
Authorized agent: Larry Sutherland Title: General Manager, Minnesota Ore Operations

2. Facility Operator

Organization name: United States Steel Corporation - Minnesota Ore Operations
Mailing address: 8819 Old Highway 169
City: Mountain Iron State: MN Zip: 55768
Telephone: (218) 749-7200 Fax: N/A E-mail: N/A
Authorized agent: Larry Sutherland Title: General Manager, Minnesota Ore Operations
24-hour Emergency contact backup:
Name: Minntac Security Phone: (800) 752-7299

3. Discharge Monitoring Report contact

Organization name: U. S. Steel Minntac
Name: Thomas A. Moe Title: Environmental Control Engineer
Mailing address: 8819 Old Highway 169
City: Mountain Iron State: MN Zip: 55768
Telephone: (218) 749-7485 Fax: (218) 749-7360 E-mail: tmoe@uss.com

4. Billing contact

Organization name: U. S. Steel - Minnesota Ore Operations
Name: Jamison Dixon Title: Controller, Minnesota Ore Operations
Mailing address: 8819 Old Highway 169
City: Mountain Iron State: MN Zip: 55768
Telephone: (218) 749-7573 Fax: (218) 749-7516 E-mail: JTDixon@uss.com
24-hour Emergency contact backup:
Name: Minntac Security Phone: (800) 752-7299

5. Engineer or Consultant

Organization name: Liesch Associates
Name: Mat Knutson Title: Environmental Engineer
Mailing address: 13400 15th Avenue N
City: Plymouth State: MN Zip: 55441
Telephone: (763) 489-3102 Fax: (763) 489-3101 E-mail: mat.knutson@liesch.com

Certified Operator Information (if applicable)

Certified operators are required for all municipal facilities and for industrial land application facilities.

6. Main certified operator

Name: Paul W. Smith Title: Utilities Manager

Certification (check all that apply): ☐ A ☐ B ☒ C ☐ D ☐ Type IV ☐ Type v

Certification number: C-6594 Expiration date: 02/01/2015

7. Other certified operator(s) (attach additional sheets if necessary)

Name: Thomas A. Moe Title: Environmental Control Engineer

Certification (check all that apply): ☐ A ☒ B ☐ C ☐ D ☐ Type IV ☐ Type v

Certification number: B-251688 Expiration date: 07/01/2016

Name: Joshua J. Zika Title: Environmental Control Engineer

Certification (check all that apply): ☐ A ☒ B ☐ C ☐ D ☐ Type IV ☐ Type v

Certification number: B-205784 Expiration date: 10/01/2014

Name: Title:

Certification (check all that apply): ☐ A ☐ B ☐ C ☐ D ☐ Type IV ☐ Type v

Certification number: Expiration date:

Facility Information

8. Facility Information (Sand and gravel facilities can skip to #9.)

Facility name: United States Steel Corporation, Minnesota Ore Operations, Minntac (Tailings Basin)

Street address: 8819 Old Highway 169

City/Township: Mountain Iron State: MN Zip: 55768

County: St. Louis

Township (26-71 or 101-168)	Range (1-51)	Section (1-36)	¼ Section (NW, NE, SW, SE)	¼ of ¼ Section (NW, NE, SW, SE)
T 59 N	R 18 & 19 ☐ E ☒ W	multiple	N/A	N/A
Latitude	**Longitude**	**Datum**	**Coordinate collection method**	**Date coordinate collected**
47.57	-92.64	NAD 83	GIS	10/27/11

9. Is the facility located on tribal land? ☐ Yes ☒ No If yes, also apply to U.S. Environmental Protection Agency (EPA), Region V, John Coletti (312-886-6106).

10. The 1993 Legislature revised the MPCA's responsibilities in Minn. Stat. § 115.03, subd. 1 (e)(10) "Requiring that applicants for wastewater discharge permits evaluate in their applications the potential reuses of the discharged wastewater;"

As a result of this 1993 Law, the MPCA has been charged with requiring permit applicants to evaluate the reuse potential of their wastewater prior to discharge. Therefore, please provide an evaluation below of reuse potential of your wastewater prior to discharge. Some ideas include lawn watering, irrigation of parks or public property, use of cooling tower blowdown for thermal discharges, wetland reclamation, etc.

U. S. Steel Minntac currently recycles approximately 44.3 million gallons per day of its process water between the tailings basin and the processing operations (NPDES Permit No. MN0057207). The tailings basin seep collection and return system, installed just outside of the east side of the perimeter dike in 2010, has increased the reuse of tailings basin water at the plant.

11. List all environmental permits the facility has received or applied for:

NPDES/SDS Permit No. MN0052493 (Minntac Mining Area)

NPDES/SDS Permit No. MN0050504 (Minntac Main WWTP)

Above-ground Storage Tank Permit #5162
Industrial Solid Waste Landfill Permit #SW-240
Air Permits (Part 70, Permit Series 13700005)

Surface Water Discharge (Sand and gravel facilities can skip to the application information section.)

12. Does the facility discharge to a surface water of the state? ☒ Yes ☐ No
If no, the surface water discharge section does not need to be completed.

13. Identify all surface water discharge stations.

Station ID: SD 001

Township (26-71 or 101-168)	Range (1-51)	Section (1-36)	¼ Section (NW, NE, SW, SE)	¼ of ¼ Section (NW, NE, SW, SE)
T 59 N	R 18 ☐ E ☒ W	18	NW	NW
Latitude	**Longitude**	**Datum**	**Coordinate collection method**	**Date coordinate collected**
47.598134	-92.682891	NAD 83	Arc GIS	10/27/11

UTM Northing	UTM Easting	UTM Zone	UTM Datum	Coordinate collection method	Date coordinate collected
5271684	523838	15N	NAD 83	Arc GIS	10/27/11
Receiving water:	Dark River				

Station ID: SD

Township (26-71 or 101-168)	Range (1-51)	Section (1-36)	¼ Section (NW, NE, SW, SE)	¼ of ¼ Section (NW, NE, SW, SE)
T N	R ☐ E ☐ W			
Latitude	**Longitude**	**Datum**	**Coordinate collection method**	**Date coordinate collected**

UTM Northing	UTM Easting	UTM Zone	UTM Datum	Coordinate collection method	Date coordinate collected
Receiving water:					

Groundwater Monitoring Wells

14. Are there groundwater monitoring wells at the facility? ☒ Yes ☐ No *If no, the groundwater monitoring wells section does not need to be completed.*

15. Identify all groundwater monitoring well station locations:

Station ID: GW 003

Township (26-71 or 101-168)	Range (1-51)	Section (1-36)	¼ Section (NW, NE, SW, SE)	¼ of ¼ Section (NW, NE, SW, SE)
T 59 N	R 18 ☐ E ☒ W	15	NE	SE

UTM Northing	UTM Easting	UTM Zone	UTM Datum	Coordinate collection method	Date coordinate collected
5271648	529479	15N	NAD 83	Arc GIS	10/27/11

Station ID: GW 004

Township (26-71 or 101-168)	Range (1-51)	Section (1-36)	¼ Section (NW, NE, SW, SE)	¼ of ¼ Section (NW, NE, SW, SE)
T 59 N	R 18 ☐ E ☒ W	4	SW	NW

UTM Northing	UTM Easting	UTM Zone	UTM Datum	Coordinate collection method	Date coordinate collected
5274447	526770	15N	NAD 83	Arc GIS	10/27/11

Station ID: GW 006

Township (26-71 or 101-168)	Range (1-51)	Section (1-36)	¼ Section (NW, NE, SW, SE)	¼ of ¼ Section (NW, NE, SW, SE)
T 59 N	R 18 ☐ E ☒ W	7	NW	SE

UTM Northing	UTM Easting	UTM Zone	UTM Datum	Coordinate	Date coordinate

				collection method	collected
5273267	523841	15N	NAD 83	Arc GIS	10/27/11

Station Locations

16. Identify all other permitted station locations not identified above:

Station ID: SW001

Station type: ☐ Influent Waste Stream (WS) ☐ Internal Waste Stream (WS) ☒ Surface Water Monitoring (SW)
☐ Land Application (LA) ☐ Other (specify):

Township (26-71 or 101-168)	Range (1-51)	Section (1-36)	¼ Section (NW, NE, SW, SE)	¼ of ¼ Section (NW, NE, SW, SE)
T 59 N	R 17 ☐ E ☒ W	6	NW	NW
Latitude	**Longitude**	**Datum**	**Coordinate collection method**	**Date coordinate collected**

Surface water *(surface water monitoring stations only)*: Sand River

Station ID: SW002

Station type: ☐ Influent Waste Stream (WS) ☐ Internal Waste Stream (WS) ☒ Surface Water Monitoring (SW)
☐ Land Application (LA) ☐ Other (specify):

Township (26-71 or 101-168)	Range (1-51)	Section (1-36)	¼ Section (NW, NE, SW, SE)	¼ of ¼ Section (NW, NE, SW, SE)
T 59 N	R 19 ☐ E ☒ W	21	NW	SE
Latitude	**Longitude**	**Datum**	**Coordinate collection method**	**Date coordinate collected**

Surface water *(surface water monitoring stations only)*: McNiven Creek

Station ID: WS002

Station type: ☐ Influent Waste Stream (WS) ☒ Internal Waste Stream (WS) ☐ Surface Water Monitoring (SW)
☐ Land Application (LA) ☐ Other (specify):

Township (26-71 or 101-168)	Range (1-51)	Section (1-36)	¼ Section (NW, NE, SW, SE)	¼ of ¼ Section (NW, NE, SW, SE)
T 59 N	R 18 ☐ E ☒ W	28	NE	SE
Latitude	**Longitude**	**Datum**	**Coordinate collection method**	**Date coordinate collected**
47.567318	-92.627923	NAD 83	Arc GIS	10/27/11

Surface water *(surface water monitoring stations only)*:

Submittals

☐ The applicable application and any applicable attachments required by the application.

☐ Map: attach a U.S. Geological Survey topographical map or similar that indicates the location of the existing or proposed facility, the location of the stations identified above, the receiving water (if applicable) and any additional information required by the applications applicable to your facility.

☐ Schematic: attach a schematic of the treatment facility that includes all facility components, indicating the direction of wastewater flow and the location of the stations identified above.

☐ (Industrial facilities only) Flow Diagram or Water Balance Diagram: attach a flow diagram on the process in its entirety from raw water to discharge.

☐ (Major Municipal facilities only) Facility Description: attach a facility description that describes the collection system and wastewater treatment facility.

Note: *Please ensure this form and all applicable applications and attachments are complete. Incomplete applications will be returned. Review your existing NPDES/SDS Permit to ensure all required submittals have been completed. Failure to complete the application for reissuance or failure to complete requirements of the existing permit is considered a violation and may be subject to enforcement.*

Application Fees

An application fee is required under Minn. Stat. § 116.07, subd. 4d (1990) and Minn. R. ch. 7002 (Permit Fee Rules). The application fee is determined by the type of permit you are applying for. Please make your check payable to the MPCA.

Indicate which type of permit you are applying for:
(refer to flow chart on page 8 of the instructions to determine the appropriate fee category)

- ☐ Individual Permit Reissuance, no modifications: $1240
- ☐ Individual Permit Reissuance, modifications: $2480
- ☐ Individual Permit Reissuance, construction: $2480
- ☐ Individual Permit Reissuance, construction, increased design flow: $9300
- ☐ Individual Permit Minor Modification: $1240
- ☐ Individual Permit Major Modification: $2480
- ☐ Individual Permit Major Modification, construction: $2480
- ☐ Individual Permit Major Modification, construction, increased design flow: $9300
- ☐ Individual Permit Issuance: $9300
- ☐ Individual Pretreatment Permit Issuance: $2480
- ☐ Individual Dredge Materials Disposal Permit Issuance: $2480
- ☐ Individual Stormwater Permit Issuance: $400
- ☐ Biosolids Treatment or Storage Permit Issuance: $9300
- ☐ General Permit (MNG) Reissuance: $1240
- ☐ General Permit (MNG) Issuance: $1240
- ☐ General Permit (MNG) Modification: $1240

Certification

Federal Regulations (40 CFR Part 122.22) and State Regulations (Minn. R. 7001.0060) require all permit applications to be signed as follows:

A. For a corporation: by a responsible corporate officer. For the purpose of this permit, a responsible corporate officer means: 1) a president, secretary, treasurer or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or 2) The manager of one or more manufacturing, production or operating facilities employing more than 250 persons or having a gross annual sales or expenditures exceeding 425 million, if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
B. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively.
C. For a municipality, county or other political subdivision: by a principal executive officer or ranking elected official.
D. For a state, federal or other public agency/agents: by a commissioner, assistant or deputy commissioner; director, assistant or deputy director.

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Printed name: _____ Title: _____

Authorized signature: _____ Date: _____

State tax ID#: _____ Federal tax ID#: _____

Applications that are submitted without an authorized signature, the required application fee, and attachments will be returned. Please make a copy for your records. Send the completed permit application, attachments *(including plans and specifications, if applicable)*, and check to:

Attn: Fiscal Services – 6th floor
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, MN 55155-4194