

NPDES Permit Rating Work Sheet

- Regular Addition
- Discretionary Addition
- Score change, but no status change
- Deletion

NPDES No.: MN00031879

Facility Name:

Kierlain-Mining

City: Kierlain

Receiving Water: Multiple

Reach Number: _____

Is this facility a steam electric power plant (SIC=4911) with one or more of the following characteristics?

1. Power output 500 MW or greater (not using a cooling pond/lake)
 2. A nuclear power plant
 3. Cooling water discharge greater than 25% of the receiving stream's 7Q10 flow rate
- YES; score is 600 (stop here) NO (continue)

Is this permit for a municipal separate storm sewer serving a population greater than 100,000?

- YES; score is 700 (stop here)
 NO (continue)

FACTOR 1: Toxic Pollutant Potential

PCS SIC Code: _____ Primary SIC Code: 11101

Other SIC Codes: _____

Industrial Subcategory Code: _____ (Code 000 if no subcategory)

Determine the Toxicity potential from Appendix A. Be sure to use the TOTAL toxicity potential column and check one)

Toxicity Group	Code	Points	Toxicity Group	Code	Points	Toxicity Group	Code	Points
<input type="checkbox"/> No process waste streams	0	0	<input type="checkbox"/> 3.	3	15	<input checked="" type="checkbox"/> 7.	7	35
<input type="checkbox"/> 1.	1	5	<input type="checkbox"/> 4.	4	20	<input type="checkbox"/> 8.	8	40
<input type="checkbox"/> 2.	2	10	<input type="checkbox"/> 5.	5	25	<input type="checkbox"/> 9.	9	45
			<input type="checkbox"/> 6.	6	30	<input type="checkbox"/> 10.	10	50

Code Number Checked: 7

Total Points Factor 1: 35

FACTOR 2: Flow/Stream Flow Volume (Complete either Section A or Section B; check only one)

Section A —Wastewater Flow Only Considered

Wastewater Type (See Instructions)	Code	Points
Type I: Flow < 5 MGD	<input type="checkbox"/> 11	0
Flow 5 to 10 MGD	<input type="checkbox"/> 12	10
Flow >10 to 50 MGD	<input type="checkbox"/> 13	20
Flow > 50 MGD	<input type="checkbox"/> 14	30
Type II: Flow <1 MGD	<input type="checkbox"/> 21	10
Flow 1 to 5 MGD	<input type="checkbox"/> 22	20
Flow >5 to 10 MGD	<input type="checkbox"/> 23	30
Flow >10 MGD	<input type="checkbox"/> 24	50
Type III: Flow <1 MGD	<input type="checkbox"/> 31	0
Flow 1 to 5 MGD	<input checked="" type="checkbox"/> 32	10
Flow >5 to 10 MGD	<input checked="" type="checkbox"/> 33	20
Flow >10 MGD	<input type="checkbox"/> 34	30

Section B —Wastewater and Stream Flow Considered

Wastewater Type (See Instructions)	Percent of Instream Wastewater Concentration at Receiving Stream Low Flow	Code	Points
TYPE I/III:	< 10%	<input type="checkbox"/> 41	0
	≥ 10% to <50%	<input type="checkbox"/> 42	10
	≥ 50%	<input type="checkbox"/> 43	20
Type II:	< 10%	<input type="checkbox"/> 51	0
	≥ 10% to <50%	<input type="checkbox"/> 52	20
	≥ 50%	<input type="checkbox"/> 53	30

Code Checked from Section A or B: 33

Total Points Factor 2: 20

all process waste covered under MN0055948
 S0001 - 0.01 MGD
 S0002 - 1.2 MGD
 S0003 - 2.4 MGD
 S0012 - 1.15 MGD

NPDES Permit Rating Work Sheet

FACTOR 5: Water Quality Factors

NPDES No.: | | | | | | | | | |

A. Is (or will) one or more of the effluent discharge limits based on water quality factors of the receiving stream (rather than technology-based federal effluent guidelines, or technology-based state effluent guidelines), or has a wasteload allocation been assigned to the discharge?

<input checked="" type="checkbox"/> Yes	Code	Points
	1	10
<input type="checkbox"/> No	2	0

B. Is the receiving water in compliance with applicable water quality standards for pollutants that are water quality limited in the permit?

<input type="checkbox"/> Yes	Code	Points
	1	0
<input checked="" type="checkbox"/> No	2	5

C. Does the effluent discharged from this facility exhibit the reasonable potential to violate water quality standards due to whole effluent toxicity?

<input type="checkbox"/> Yes	Code	Points
	1	10
<input checked="" type="checkbox"/> No	2	0

Code Number Checked: A | 1 | B | 2 | C | 2 |
 Points Factor 5: A | 10 | + B | 5 | + C | 0 | = | 15 | TOTAL

FACTOR 6: Proximity to Near Coastal Waters

A. Base Score: Enter flow code here (from Factor 2): | | | | Enter the multiplication factor that corresponds to the flow code: | | | |

Check appropriate facility HPRI Code (from PCS):

	HPRI #	Code	HPRI Score
<input type="checkbox"/>	1	1	20
<input type="checkbox"/>	2	2	0
<input type="checkbox"/>	3	3	30
<input type="checkbox"/>	4	4	0
<input type="checkbox"/>	5	5	20

Flow Code	Multiplication Factor
11, 31, or 41	0.00
12, 32, or 42	0.05
13, 33, or 43	0.10
14 or 34	0.15
21 or 51	0.10
22 or 52	0.30
23 or 53	0.60
24	1.00

HPRI code checked: | | |

Base Score: (HPRI Score) _____ x (Multiplication Factor) _____ = _____ (TOTAL POINTS)

B. Additional Points — NEP Program
 For a facility that has an HPRI code of 3, does the facility discharge to one of the estuaries enrolled in the National Estuary Protection (NEP) program (see Instructions) or the Chesapeake Bay?

<input type="checkbox"/> Yes	Code	Points
	1	10
<input type="checkbox"/> No	2	0

C. Additional Points — Great Lakes Area of Concern
 For a facility that has an HPRI code of 5, does the facility discharge any of the pollutants of concern into one of the Great Lakes' 31 areas of concern (see Instructions)

<input type="checkbox"/> Yes	Code	Points
	1	10
<input type="checkbox"/> No	2	0

Code Number Checked: A | | B | | C | |
 Points Factor 6: A | | + B | | + C | | = | | TOTAL

NPDES Permit Rating Work Sheet

SCORE SUMMARY

NPDES No.: | | | | | | | | | |

Factor	Description	Total Points
1	Toxic Pollutant Potential	<u>35</u>
2	Flow/Streamflow Volume	<u>20</u>
3	Conventional Pollutants	<u>5</u>
4	Public Health Impacts	<u>0</u>
5	Water Quality Factors	<u>15</u>
6	Proximity to Near Coastal Waters	<u>0</u>
TOTAL (Factors 1 through 6)		<u>75</u>

S1. Is the total score equal to or greater than 80? Yes (Facility is a major) No

S2. If the answer to the above question is no, would you like this facility to be discretionary major?

No

Yes (Add 500 points to the above score and provide reason below:

Reason: _____

NEW SCORE: _____

OLD SCORE: _____

Brandon Smith
 Permit Reviewer's Name

(651) 757-2740
 Phone Number

3/31/11
 Date