

### NPDES Permit Rating Work Sheet

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

NPDES No.: MMD010515191418

Facility Name:

Kielcraig-Tailings Basin

City: Kielcraig

Receiving Water: Multiplic

Reach Number: 1

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: 111011

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 checked="" 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 type="checkbox"/> 32	10
Flow >5 to 10 MGD	<input 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 In-stream 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

SD001 = 0  
 SD005 = 3.1 MGD  
 SD009 = 1.3 MGD

Code Checked from Section A or B: 22

Total Points Factor 2: 20

### NPDES Permit Rating Work Sheet

**FACTOR 3: Conventional Pollutants**  
(only when limited by the permit)

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

A. Oxygen Demanding Pollutant: (check one)  BOD  COD  Other: \_\_\_\_\_

Permit Limit: (check one)		Code	Points
<input type="checkbox"/> <100 lbs/day	<input type="checkbox"/>	1	0
<input type="checkbox"/> 100 to 1000 lbs/day	<input type="checkbox"/>	2	5
<input type="checkbox"/> >1000 to 3000 lbs/day	<input type="checkbox"/>	3	15
<input type="checkbox"/> >3000 lbs/day	<input type="checkbox"/>	4	20

Code Checked: | | |  
Points Scored: | | |

B. Total Suspended Solids (TSS)

Permit Limit: (check one)  
 SD005 = 3.1 @ 20 mg/L = 517.8 lbs/day  
 SP009 = 1.3 @ 20 mg/L = 216.8 lbs/day

Permit Limit: (check one)		Code	Points
<input checked="" type="checkbox"/> <100 lbs/day	<input checked="" type="checkbox"/>	1	0
<input type="checkbox"/> 100 to 1000 lbs/day	<input type="checkbox"/>	2	5
<input type="checkbox"/> >1000 to 5000 lbs/day	<input type="checkbox"/>	3	15
<input type="checkbox"/> >5000 lbs/day	<input type="checkbox"/>	4	20

Code Checked: | 2 |  
Points Scored: | 15 |

C. Nitrogen Pollutant: (check one)  Ammonia  Other: \_\_\_\_\_

Permit Limit: (check one)		Nitrogen Equivalent	Code	Points
<input type="checkbox"/> <300 lbs/day	<input type="checkbox"/>		1	0
<input type="checkbox"/> 300 to 1000 lbs/day	<input type="checkbox"/>		2	5
<input type="checkbox"/> >1000 to 3000 lbs/day	<input type="checkbox"/>		3	15
<input type="checkbox"/> >3000 lbs/day	<input type="checkbox"/>		4	20

Code Checked: | | |  
Points Scored: | | |  
Total Points Factor 3: | 15 |

**FACTOR 4: Public Health Impact**

1. Is there a public drinking water supply located within 50 miles downstream of the effluent discharge (this includes any body of water to which the receiving water is a tributary)? A public drinking water supply may include infiltration galleries, or other methods of conveyance that ultimately get water from the above referenced supply.

Yes, (yes, check toxicity potential number below)  
 No, (no, go to Factor 5)

Determine the human health toxicity potential from Appendix A. Use the same SIC code and subcategory reference as in Factor 1. (Be sure to use the human health toxicity group column -- check one below)

Toxicity Group	Code	Points	Toxicity Group	Code	Points	Toxicity Group	Code	Points
<input type="checkbox"/> No public water streams	0	0	<input type="checkbox"/> 3.	3	0	<input type="checkbox"/> 7.	7	15
<input type="checkbox"/> 1.	1	0	<input type="checkbox"/> 4.	4	0	<input type="checkbox"/> 8.	8	20
<input type="checkbox"/> 2.	2	0	<input type="checkbox"/> 5.	5	5	<input type="checkbox"/> 9.	9	25
			<input type="checkbox"/> 6.	6	10	<input type="checkbox"/> 10.	10	30

Code Number Checked: | | |  
Total Points Factor 4: | 0 |



### 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

(657) 757-2740  
 Phone Number

4/15/11  
 Date