NorthMet Project Industrial Stormwater Antidegradation
05/25/2017 MPCA Meeting Handout

Table 1 Summary of Areas with Potential to Discharge Industrial Stormwater

	Mine Site	Transportation and Utility Corridors	Plant Site
Applicable MN ISW General Permit Sector(s)	G1 (Active Copper Ore Mining, Dressing Facilities) and G2 (Active Metal Mining Facilities)	P (Land Transportation and Warehousing)	G1 (Active Copper Ore Mining, Dressing Facilities)
Areas Existing Pre-1988[1]	11.7 ~~0.0~~ acres[2]	45.3 ~~54.6~~ acres[4]	227.9 ~~152.5~~ acres[6]
Pre-Operation Project Construction[1]	20.2 ~~18.7~~ acres[3]	2.0 acres[5]	12.4 acres[7]
Project Construction during Operations[1]	--	--	48.8 ~~98.0~~ acres[8]
Total Project Construction[1]	**20.2 ~~18.7~~ acres[3]**	**2.0 acres[5]**	**61.2 ~~110.4~~ acres[7,8]**
Total Area[1]	31.9 ~~18.7~~ acres[2,3]	47.3 ~~56.6~~ acres[4,5]	289.1 ~~262.9~~ acres[6,7,8]
Significant Discharge[9]	No	No	~~Yes~~ No
Proposed ISW Permit Coverage	General	General	~~Individual~~ General
Antidegradation Assessment Needed	No	No	~~Yes~~ No

(1) Does not include areas where industrial stormwater is captured with other water-types (e.g., mine water, tailings basin seepage, tailings basin water, HRF water) for treatment and/or re-use
(2) Includes these existing features: portion of Dunka Road and railroad east of Mine Site entrance road
(3) Includes these new Project features: railroad spur and loadout; fueling and maintenance facility; and equalization basin area
(4) Includes these existing features: portion of Dunka Road and railroad west of Mine Site entrance road
(5) Includes this new Project feature: railroad connection track (s-curve)
(6) Includes these existing features: Tailings Basin Cell 2W south dam exterior, roads, railroad, areas surrounding Plant Site buildings, and areas surrounding Area 1 and Area 2 buildings
(7) Includes these new Project features: railroad and area surrounding WWTS
(8) Includes these new Project features: western and eastern portions of FTB south dam exterior (~~72.6~~23.4 acres) and HRF dam exteriors (25.4 acres)
(9) As defined in Appendix E of the 2010 and 2015 MN Industrial Stormwater General Permits

Changes to Table 1 (from 3/30/17 version; shown in red) based on further review of stormwater management plans and other relevant information:

- Plant Site:
  - Removed central portion of FTB south dam exterior (49.2 acres) from "Project Construction during Operations", "Total Project Construction", and "Total Area". There will be no discharge of industrial stormwater from this area; stormwater will flow to the FTB South Buttress, where it will infiltrate then be collected by the FTB South Seepage Management System and routed to the WWTS (refer to Table 2~~Table 2~~ for details).
  - Added Tailings Basin Cell 2E south dam exterior (75.4 acres) to "Areas Existing Pre-1988" and "Total Area". Runoff from this existing area will have potential to discharge as industrial stormwater (refer to Table 2~~Table 2~~ for details).
- Mine Site and Transportation and Utility Corridors: Adjusted boundaries associated with these areas and updated acreages accordingly.