



File No: 2AM-MRY1325

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Re: Type “A” Water Licence No: 2AM-MRY1325, Mary River Project; Modification of Monitoring Program by Baffinland Iron Mines Corporation

This letter is a response to the correspondence (Request) provided by Baffinland Iron Mines Corporation (Baffinland or Licensee) to the Nunavut Water Board (NWB or Board) on March 31, 2022 proposing that the Board modify the identifications of Monitoring Stations in Table 13 Monitoring Program: Milne Port Site and Table 14 Monitoring Program: Mary River Mine Site within the *Schedule I. Conditions Applying to General and Aquatics Effects Monitoring* of Water Licence 2AM-MRY1325 (Licence).

Baffinland is proposing to create separate station IDs for existing infrastructure, which includes one (1) station at Milne Port and two (2) stations at Mary River. Baffinland is also proposing to change the station description for one (1) station and update the coordinates of one (1) station at the Mine Site.

[ftp://ftp.nwb-oen.ca/registry/2 MINING MILLING/2A/2AM - Mining/2AM-MRY1325 BIMC/3 TECH/1 GENERAL \(B\)/2 ANNUAL RPT/2021/](ftp://ftp.nwb-oen.ca/registry/2%20MINING%20MILLING/2A/2AM-Mining/2AM-MRY1325%20BIMC/3%20TECH/1%20GENERAL%20(B)/2%20ANNUAL%20RPT/2021/)

The Request was part of the 2021 Annual Report document package. On April 4, 2022, the Request was distributed for public review along with the 2021 Annual Report documents. No comments in regards to the proposed Licence modification were received.

On the basis of the Board's review, the Board accepts that the changes as outlined below constitute modifications that are consistent with the existing terms and conditions of the Licence and has approved the Modification, as required by Part G, Item 2 of Licence.

The Board requires that all relevant management plans be updated to reflect the updated nomenclature for the Monitoring Stations. All updated documents shall be included within the 2022 Annual Report. The Licensee is reminded to adhere to Licence conditions set out in Part I, Items 6, 8, and 10.

The NWB would also like to highlight that any Licence terms and conditions referring to the Monitoring Stations' should be read with taking into account the enclosed modified Tables 13 and 14.

If you have any questions, please contact the undersigned at assol.kubeisinova@nwb-oen.ca or (867) 360 6338 (ext. 31).

Best regards,



Assol Kubeisinova,
Nunavut Water Board
Technical Advisor

Enclosure: Updated Schedule I, Tables 13 and 14

Cc: Distribution List – Mary River

Schedule I Conditions Applying to General and Aquatics Effects Monitoring**Modified Table 13: Monitoring Program - Milne Port Site**

Station	Description	Project Phases	Monitoring Parameters	Frequency
MP-MRY-2	Freshwater Intake at Phillips Creek (Summer)	Construction Operations Closure	Group 1	Record Daily Report Monthly
MP-MRY-3	Freshwater Intake from Km 32 Lake (Winter)	Construction Operations Closure	Group 1	Record Daily Report Monthly
MP-01	Milne Port Sewage Treatment Facilities (discharge into ditch prior to ocean)	Construction Operations	Groups 1, 2	Monthly
			Group 3	Annually
MP-01a	Milne Port Polishing Waste Stabilization Pond (PWSP)	Construction Operations	Groups 1, 2	Once prior to discharge and Monthly
			Group 3	Annually
MP-02	Milne Port Maintenance Shop Oily water/WWTF	Construction Operations	Groups 1 and 4	Monthly
MP-03	Milne Port Bulk Fuel Storage Facility Stormwater	Construction Operations	Groups 1 and 4 5	Daily Flow Monthly
MP-04	Milne Port Landfarm Facility Stormwater	Construction Operations Closure	Group 1 Group 5 Plus TSS	Daily Flow Monthly
MP-04a	Contaminated Snow & Water Containment Berm beside the Milne Port Landfarm Facility	Construction Operations Closure	Group 1 Group 5 Plus TSS	Daily Flow Monthly
MP-C-A	Surface discharge downstream of construction area at Milne Port	Construction	Groups 1 and 8	During periods of flow and following significant precipitation events, on a monthly basis
MP-C-B				
MP-C-D				
MP-C-E				
MP-C-F				
MP-C-H				
MP-C-K				

MP-C-J	Surface discharge south of Laydown LP3	Construction Operations	Groups 1 and 8	During periods of flow and following significant precipitation events, on a monthly basis
MP-05 (New)	Milne Port Ore Stockpile Sedimentation Pond (East)	Construction Operation ERP Closure Operation	Groups 1 and 7	Monthly during summer
			Group 3	Annually
MP-06 (New)	Milne Port Ore Stockpile Settling Pond (West)	Construction ERP Operations Closure	Groups 1 and 7	Monthly during summer
			Group 3	Annually

Modified Table 14: Monitoring Program - Mary River Mine Site

Station	Description	Phases	Monitoring Parameters	Frequency
MS-MRY-1	Freshwater Intake from Camp Lake	Construction Operations Closure	Group 1	Record Daily
MS-01	Mine Site Sewage Treatment Facilities	Construction Operations	Groups 1 and 2	Monthly
			Group 3	Annually
MS-01a	Mine Site Polishing/Waste Stabilization Pond (PWSP)	Construction Operations	Groups 1 and 2	Once prior to discharge and Monthly thereafter
			Group 3	Annually
MS-02	Mine Site Maintenance Shop Oily Water WWTF	Construction Operations	Groups 1 and 4	Monthly
MS-MRY-04	Exploration Camp Sewage Treatment Facility	Construction Operations Closure	Groups 1 and 2	Monthly
			Group 3	Annually
MS-MRY-04a	Exploration Camp Polishing Waste Stabilization Pond 1 (PWSP 1)	Construction Operations	Groups 1 and 2	Once prior to discharge and monthly hereafter
			Group 3	Annually
MS-MRY-04b	Exploration Camp Polishing Waste Stabilization Pond 2 (PWSP 2)	Construction Operations	Groups 1 and 2	Once prior to discharge and monthly hereafter
			Group 3	Annually
MS-MRY-04c	Exploration Camp Polishing Waste Stabilization Pond 3 (PWSP 3)	Construction Operations	Groups 1 and 2	Once prior to discharge and monthly hereafter
			Group 3	Annually

MS-03	Mine Site Bulk Fuel Storage Facility Stormwater	Construction Operations	Groups 1 and 5	Daily Flow Monthly
MS-03B	Second Mine Site Bulk Fuel Storage Facility Stormwater	Construction Operations	Groups 1 and 5	Daily Flow Monthly
MS-04	Mine Site Fuel Unloading Station Stormwater	Construction Operations	Groups 1 and 5	Daily Flow Monthly
MS-05	Mine Site Landfarm Facility Stormwater	Construction Operations	Groups 1 and 5 Plus TSS	Daily Flow Monthly
MS-MRY-6	Hazardous Materials Storage Area (MS-HWB-7)	Construction Operations	Groups 1 and 5	Daily Flow Monthly
MS-06+	Ore Stockpile Pond Stormwater	Operations Closure	Groups 1 and 7	Monthly during summer
			Group 3	Annually
MS-07	Run of Mine Ore Stockpile Pond Stormwater	Operations Closure	Groups 1 and 7	Monthly during summer
			Group 3	Annually
MS-08	Waste Rock Stockpile West Pond	Operations Closure	Groups 1 and 7	Monthly during summer
			Group 3	Annually
MS-09	Waste Rock Stockpile East Pond	Operations Closure	Groups 1 and 7	Monthly during summer
			Group 3	Annually
MS-10	SDLT-1 Pond Ore Stockpile Stormwater	Operations	Groups 1 and 7	Monthly during summer
			Group 3	Annually
MS-11	KM105 Pond Stormwater	Operations	Groups 1 and 8	Monthly during summer
MS-12	Weatherhaven Camp Stormwater	Operations	Groups 1 and 8	Monthly during summer
MS-13	Explosives Magazine Pond	Operations	Groups 1 and 8	Monthly during summer
MS-14	Quarry QMR2 Pond/Sump	Operations	Groups 1, 3 and 8	Monthly during summer
MS-MRY-09	Deposit No. 1 surface water drainage (including the Bulk Sample Open Pit)	Construction Operations	Groups 1 and 7	Monthly (during summer)
			Group 3	Annually
MS-MRY-13a & MS-MRY-13b	Non-Hazardous Waste Landfill – Downstream surface water drainage	Construction Operations Closure	Groups 1 and 6	Daily Monthly
MS-C-A	Surface discharge downstream	Construction	Groups 1 and 8	During periods of flow and following significant precipitation events, on a monthly basis
MS-C-B				
MS-C-C				
MS-C-D				
MS-C-E				
MS-C-F				

MS-C-G (New)	Surface discharge downstream of construction area at Mine Site	Construction	Group 1 and 8	During period of flow and following precipitation events on a monthly basis
MS-C-H (New)				