

June 30, 2022

Manager of Licensing Nunavut Water Board P.O. Box 119 Gjoa Haven, Nunavut XOB 1J0 Resource Management Officer, CIRNAC Nunavut District, Nunavut Region P.O. Box 100 Igaluit, NU XOA 0H0

RE: Water Licence 2AM-MRY1325 Monthly Surveillance Network Program (SNP) Report May 2022

The following is the monthly report for May 2022 as required under Part I, Item 21 of the Type 'A' Water Licence 2AM-MRY1325 (the Licence) which states:

"The Licensee shall submit to the Board, within thirty (30) days following the month being reported, a Monthly Monitoring Report. The Report shall include:

- a) All data and information required by this Part and generated by the Monitoring Program in the tables of Schedule I
- b) An assessment of data to identify areas of non-compliance with regulated discharge parameters referred to in Part F"

Monitoring Program

During the month of May 2022, water samples were collected as part of the Surveillance Network Program (SNP).

Table 1.1 presents a list of samples/monitoring required under the Licence and the details concerning which water quality samples were collected along with sample dates and laboratory identification numbers, as appropriate. Analytical water quality testing results are presented in Tables 2.1 through 2.8. Table 3.1 presents water volumes consumed for domestic and industrial water purposes as well as select volumes of effluent and waste discharged and/or disposed at the Mary River Mine Site and Milne Port during May 2022.

Monitoring Program Results

Water Sampling and Analysis Results

Tables 2.1 through 2.8 provide the analytical results related to the SNP sampling requirements for May 2022. No exceedances of applicable water quality criteria were observed at monitoring stations during May 2022.

Flow and Volume Measurements

Table 3.1 provides a breakdown of volume measurements for May 2022 as required by Part I, Item 9 of the Licence. There were no exceedances of the source specific daily volume withdrawal limits in May 2022.

We trust that the information provided in this monthly report is acceptable and should you have any questions regarding this report please contact the undersigned.





May 2022

Prepared by:

Reviewed by:

Allison Parker

Katherine Babin

Environmental Specialist

allison Parker

Environmental Superintendent

cc: Justin Hack (CIRNAC)

Chris Spencer, Hugh Karpik (QIA)

Tim Sewell, Megan Lord-Hoyle, Lou Kamermans, Francois Gaudreau, Martin Beausejour, Sylvain Proulx,

Connor Devereaux (Baffinland)

Attachments

Attachments – Table 1.1, Tables 2.1 – 2.8, Table 3.1







Attachments

Monthly Water Sampling Results



Table 1.1: Monitoring Program Water Sampling Summary for May 2022

Monitoring Program Station	Sampling Date	Lab ID Number	Comment
	Milne Po	ort	
MP-01	2022 05 02	12702606 1	Discharge volume recorded
(Sewage Treatment Facility)	2022-05-03	L2703696-1	daily; May 1 - 31.
MP-01A	NI/A	NI/A	No discharge.
(Polishing Waste Stabilization Pond)	N/A	N/A	
MP-01B	2022 05 02	12702600 1	Discharge volume recorded
(Sewage Treatment Facility)	2022-05-03	L2703688-1	daily; May 1 - 31.
MP-MRY-2	NI/A	NI/A	No water withdrawal.
(Freshwater Intake at Phillips Creek)	N/A	N/A	
MP-MRY-3	N1 / A	N/A	Withdrawal volume
(Freshwater Intake from Km 32 Lake)	N/A	N/A	recorded daily; May 1 - 31.
MP-02	N1 / A	N/A	No discharge.
(Milne Port Maintenance Shop)	N/A	N/A	
MP-03			No discharge.
(Bulk Fuel Storage Facility	N/A	N/A	
Stormwater)			
MP-04			No discharge.
(Treated Oily Water from Milne Port	N/A	N/A	
Landfarm Facility to Tundra)			
MP-04A			No discharge.
(Treated Oily Water from Milne Port	N/A	N/A	
Snowdump Facility to Tundra)			
MP-05			No discharge.
Ore Stockpile Sedimentation Pond	N/A	N/A	
(East)			
MP-06			No discharge.
Ore Stockpile Sedimentation Pond	N/A	N/A	
(West)			
MP-C-A			No flow.
(Downstream of Construction Area)	N/A	N/A	
,	2022-05-18	L2708508-1	
	2022-05-20	L2708508-2	
MP-C-B	2022-05-21	L2708508-3	
(Downstream of Construction Area)	2022-05-24	L2709941-1	
	2022-05-26	L2710277-1	
MP-C-D			No flow.
(Downstream of Construction Area)	N/A	N/A	
MP-C-E			No flow.
(Downstream of Construction Area)	N/A	N/A	



Baffinland

May 2022

Monitoring Program Station	Sampling Date	Lab ID Number	Comment
MP-C-F			No flow.
(Downstream of Construction Area)	N/A	N/A	
MP-C-H			No flow.
(Downstream of Construction Area)	N/A	N/A	
MP-C-J	_	_	No flow.
(Downstream of Construction Area)	N/A	N/A	
MP-C-K			No flow.
(Downstream of Construction Area)	N/A	N/A	
MP-Q1-01			No flow.
(Downstream of Q1 Quarry)	N/A	N/A	1.0
MP-Q1-02			No flow.
(Downstream of Q1 Quarry)	N/A	N/A	No now.
(Bownstream of Q1 Quarry)	Mary River M	ina Sita	
MS-01		lile Site	Discharge volume recorded
(Sewage Treatment Facility)	2022-05-03	L2703673-1	daily; May 1 - 31.
MS-01A			Facility not constructed.
(Mine Site Polishing Waste	N/A	N/A	racinty flot constructed.
Stabilization Pond)	IN/A	IN/A	
MS-01B			Discharge volume recorded
(Sewage Treatment Facility)	2022-05-03	L2703684-1	daily; May 1 - 31.
MS-02			
	N/A	N/A	No discharge.
(Mine Site Maintenance Shop)			NA/Selection of the language
MS-MRY-1	N/A	N/A	Withdrawal volume
(Freshwater Intake Camp Lake)			recorded daily; May 1 - 31.
MS-MRY-04A	N/A	N/A	No discharge.
(Polishing Waste Stabilization Pond)			
MS-MRY-04B	N/A	N/A	No discharge.
(Polishing Waste Stabilization Pond)		-	
MS-MRY-04C	N/A	N/A	No discharge.
(Polishing Waste Stabilization Pond)	,	,	
MS-03			No discharge.
(Mine Site Bulk Fuel Storage Facility	N/A	N/A	
Stormwater)			
MS-03B			No discharge.
(Mine Site Bulk Fuel Storage Facility	N/A	N/A	
Stormwater)			
MS-04			No discharge.
(Mine Site Fuel Unloading Station	N/A	N/A	
Stormwater)			
MS-05	NI / A	N1 / A	Facility not constructed.
(Mine Site Landfarm Facility)	N/A	N/A	



May 2022

MS-06 (Ore Stockpile Pond Stormwater) MS-07 (Run of Mine Ore Stockpile Pond Stormwater) MS-08 (Mine Waste Rock Stockpile Pond) MS-09 (Waste Rock Stockpile East Pond) MS-10 (SDLT-1 Pond Ore Stockpile Stormwater) MS-11 (KM105 Pond Stormwater) MS-12 (Weatherhaven Camp Stormwater) MS-13 (Explosives Magazine Pond) MS-14 (Explosives Magazine Pond) MS-17 (Explosives Magazine Camp Bulk Fuel Storage Facility Stormwater) MS-MRY-09 (Deposit 1 Surface Water Drainage) MS-MRY-13A (Downstream Non-Hazardous Landfill) MS-C-B (Downstream of Construction and Borrow Areas) MS-C-B (Downstream of Construction and Borrow Areas) MS-C-B (Downstream of Construction and Borrow Areas) N/A N/A N/A N/A N/A N/A N/A N/	Monitoring Program Station	Sampling Date	Lab ID Number	Comment	
Core Stockpile Pond Stormwater)	MS-06	21/2	21/2	No discharge.	
Run of Mine Ore Stockpile Pond N/A N/A N/A N/A No discharge.	(Ore Stockpile Pond Stormwater)	N/A	N/A		
Stormwater) MS-08 (Mine Waste Rock Stockpile Pond) MS-09 (Waste Rock Stockpile East Pond) MS-10 (SDLT-1 Pond Ore Stockpile MS-11 (KM105 Pond Stormwater) MS-12 (Weatherhaven Camp Stormwater) MS-13 (Explosives Magazine Pond) MS-14 (Quarry QMR2 Pond/Sump) MS-MRY-6 (Explosit 1 Surface Water Drainage) MS-MRY-10 (Deposit 1 Surface Water Drainage) MS-MRY-138 (Downstream Non-Hazardous Landfill) MS-MRY-138 (Downstream of Construction and Borrow Areas) MS-C-A (Downstream of Construction and Borrow Areas) MS-C-B (Downstream of Construction and N/A N/A N/A N/A N/A Nor flow. No discharge. Facility not constructed. Facility not constructed. Facility not constructed. Facility not constructed. Pacility not constructed. Facility not constructed. N/A N/A N/A N/A No discharge. Facility not constructed. Pacility not constructed. Pacility not constructed. N/A N/A N/A N/A No discharge. Facility not constructed. N/A N/A N/A N/A N/A No discharge. N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	MS-07			No discharge.	
MS-08 (Mine Waste Rock Stockpile Pond) MS-09 (Waste Rock Stockpile East Pond) MS-10 (SDLT-1 Pond Ore Stockpile Stormwater) MS-11 (KM105 Pond Stormwater) MS-12 (Weatherhaven Camp Stormwater) MS-13 (Explosives Magazine Pond) MS-14 (Quarry QMR2 Pond/Sump) MS-MRY-6 (Exploration Camp Bulk Fuel Storage Facility Stormwater) MS-MRY-10 (Deposit 1 Surface Water Drainage) MS-MRY-10 (Deposit 1 Surface Water Drainage) MS-MRY-13B (Downstream Non-Hazardous Landfill) MS-C-A (Downstream of Construction and Borrow Areas) MS-C-B (Downstream of Construction and M/A N/A N/A Recility not constructed. Facility not constructed. Facility not constructed. NA N/A NA NA Facility not constructed. Facility not constructed. NA N/A NA NA No discharge. Facility not constructed. NA N/A N/A NA NA No flow.	(Run of Mine Ore Stockpile Pond	N/A	N/A		
(Mine Waste Rock Stockpile Pond) N/A N/A Facility not constructed. MS-09 (Waste Rock Stockpile East Pond) N/A Facility not constructed. MS-10 (SDLT-1 Pond Ore Stockpile Stormwater) N/A N/A Facility not constructed. MS-11 (KM105 Pond Stormwater) N/A N/A N/A No discharge. MS-12 (Weatherhaven Camp Stormwater) N/A N/A Facility not constructed. MS-13 (Explosives Magazine Pond) N/A N/A Facility not constructed. MS-14 (Quarry QMR2 Pond/Sump) N/A N/A N/A No discharge. MS-MRY-6 (Exploration Camp Bulk Fuel Storage Facility Stormwater) N/A N/A N/A No flow. MS-MRY-09 (Deposit 1 Surface Water Drainage) N/A N/A N/A No flow. MS-MRY-13A (Downstream Non-Hazardous Landfill) N/A N/A N/A No flow. MS-MRY-13B (Downstream Non-Hazardous Landfill) N/A N/A N/A N/A MS-C-B (Downstream of Construction and Borrow Areas) 2022-05-22 M/A L2708550-2 No flow.	Stormwater)				
MS-09 MS-09 MS-10 MS-10 MS-10 MS-11 MS-11 MS-11 MS-12 (Weatherhaven Camp Stormwater) MS-13 (Explosives Magazine Pond) MS-MRY-6 (Exploration Camp Bulk Fuel Storage Facility Stormwater) MS-MS-MS-MS-MS-10 MS-MS-MS-MS-MS-MS-MS-MS-MS-MS-MS-MS-MS-M	MS-08			No discharge.	
(Waste Rock Stockpile East Pond) N/A N/A Pacility not constructed. MS-10 (SDLT-1 Pond Ore Stockpile Stormwater) N/A N/A N/A N/A MS-11 (KM105 Pond Stormwater) N/A N/A N/A No discharge. MS-12 (Weatherhaven Camp Stormwater) N/A N/A Facility not constructed. MS-13 (Explosives Magazine Pond) N/A N/A Facility not constructed. MS-14 (Quarry QMR2 Pond/Sump) N/A N/A N/A Facility not constructed. MS-MRY-6 (Exploration Camp Bulk Fuel Storage Facility Stormwater) N/A N/A N/A No discharge. MS-MRY-09 (Deposit 1 Surface Water Drainage) N/A N/A N/A No flow. MS-MRY-10 (Deposit 1 Surface Water Drainage) N/A N/A N/A No flow. MS-MRY-13A (Downstream Non-Hazardous Landfill) N/A N/A N/A No flow. MS-MRY-13B (Downstream of Construction and Borrow Areas) N/A N/A N/A N/A MS-C-B (Downstream of Construction and N/A N/A N/A No flow.	(Mine Waste Rock Stockpile Pond)	N/A	N/A		
Waste Rock Stockpile East Pond MS-10	MS-09			Facility not constructed.	
SDLT-1 Pond Ore Stockpile N/A N/A	(Waste Rock Stockpile East Pond)	N/A	N/A		
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MS-MRY-10 (Deposit 1 Surface Water Drainage) MS-MRY-13A (Downstream Non-Hazardous Landfill) MS-MRY-13B (Downstream Non-Hazardous N/A	(Deposit 1 Surface Water Drainage)	N/A	N/A		
MS-MRY-13A (Downstream Non-Hazardous Landfill) MS-MRY-13B (Downstream Non-Hazardous Landfill) MS-MRY-13B (Downstream Non-Hazardous Landfill) MS-C-A (Downstream of Construction and Borrow Areas) MS-C-B (Downstream of Construction and N/A N/A N/A N/A N/A N/A		_		No flow.	
MS-MRY-13A (Downstream Non-Hazardous Landfill) MS-MRY-13B (Downstream Non-Hazardous Landfill) MS-C-A (Downstream of Construction and Borrow Areas) MS-C-B (Downstream of Construction and N/A N/A N/A No flow.	(Deposit 1 Surface Water Drainage)	N/A	N/A		
(Downstream Non-Hazardous Landfill) MS-MRY-13B (Downstream Non-Hazardous N/A N/A N/A Landfill) MS-C-A (Downstream of Construction and Borrow Areas) MS-C-B (Downstream of Construction and N/A	, ,			No flow.	
Landfill) MS-MRY-13B (Downstream Non-Hazardous N/A N/A N/A Landfill) MS-C-A (Downstream of Construction and Borrow Areas) MS-C-B (Downstream of Construction and N/A N/A N/A N/A		N/A	N/A		
MS-MRY-13B (Downstream Non-Hazardous N/A N/A N/A NA N/A Landfill) MS-C-A (Downstream of Construction and Borrow Areas) MS-C-B (Downstream of Construction and N/A N/A N/A N/A		,	,		
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Landfill) MS-C-A (Downstream of Construction and Borrow Areas) MS-C-B (Downstream of Construction and N/A N/A N/A		N/A	N/A		
MS-C-A (Downstream of Construction and Borrow Areas) MS-C-B (Downstream of Construction and N/A N/A N/A		,	,		
(Downstream of Construction and Borrow Areas) MS-C-B (Downstream of Construction and N/A N/A N/A					
Borrow Areas) MS-C-B (Downstream of Construction and N/A N/A N/A		2022-05-22	L2708550-2		
MS-C-B (Downstream of Construction and N/A N/A N/A	'				
(Downstream of Construction and N/A N/A	,			No flow.	
		N/A	N/A		
	Borrow Areas)	,	,,		



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Monitoring Program Station	Sampling Date	Lab ID Number	Comment						
MS-C-C			No flow.						
(Downstream of Construction and	N/A	N/A							
Borrow Areas)									
MS-C-D			No flow.						
(Downstream of Construction and	N/A	N/A							
Borrow Areas)									
MS-C-E			No flow.						
(Downstream of Construction and	N/A	N/A							
Borrow Areas)									
MS-C-F			No flow.						
(Downstream of Construction and	N/A	N/A							
Borrow Areas)									
MS-C-G			No flow.						
(Downstream of Construction and	N/A	N/A							
Borrow Areas)									
MS-C-H									
(Downstream of Construction and	2022-05-22	L2708550-1							
Borrow Areas)									
MQ-C-A			No flow.						
(Downstream of QMR2 Quarry)	N/A	N/A							
MQ-C-B	2022-05-22	L2708550-3							
(Downstream of QMR2 Quarry)									
MQ-C-B01	2000								
(Field Duplicate of MQ-C-B)	2022-05-22	L2708550-4							
MOCD			No flow.						
MQ-C-D	N/A	N/A							
(Downstream of QMR2 Quarry)									
	Steensby F	Port							
Steensby Exploration Camp is	N/A	N/A	N/A						
presently inactive.	,	,	·						



Table 2.1: Water Quality Results for Water Licence Monitoring Location - MP-01

Analyte	A	MP-01 L2703696-1 2022-05-03 13:10 N/A		
	Units	LOR	Criteria ¹	
рН	pH units	0.10	6.0 - 9.5	7.96
Total Suspended Solids	mg/L	1.0	120	<1.0
Ammonia, Total (as N)	mg/L	0.010	-	0.098
Total Kjeldahl Nitrogen	mg/L	0.050	-	0.690
Phosphorus, Total	mg/L	0.060	-	9.390
Fecal Coliforms	CFU/100 mL	-	10,000	0
BOD	mg/L	2.0	100	<2.0
Oil and Grease, Total	mg/L	5.0	-	<5.0
On and Grease, Total	-	-	No Visible Sheen	No Visible Sheen
Toxicity	-	-	Not Acutely Toxic	-

¹ Type A Water Licence (2AM-MRY1325 - Amend. 1) - Table 5: Effluent Quality Discharge Limits for Sewage Treatment Facilities to the Ocean



Table 2.2: Water Quality Results for Water Licence Monitoring Location - MP-01B

Analyte		MP-01B L2703688-1 2022-05-03 13:10 N/A		
	Units	LOR	Criteria ¹	
рН	pH units	0.10	6.0 - 9.5	7.85
Total Suspended Solids	mg/L	1.0	120	<1.0
Ammonia, Total (as N)	mg/L	0.010	-	0.016
Total Kjeldahl Nitrogen	mg/L	0.050	-	0.247
Phosphorus, Total	mg/L	0.030	-	8.760
Fecal Coliforms	CFU/100 mL	1	10,000	0
BOD	mg/L	2.0	100	<2.0
Oil and Grease, Total	mg/L	5.0	-	<5.0
Oli aliu Grease, Total	-	-	No Visible Sheen	No Visible Sheen
Toxicity	-	-	Not Acutely Toxic	-

¹ Type A Water Licence (2AM-MRY1325 - Amend. 1) - Table 5: Effluent Quality Discharge Limits for Sewage Treatment Facilities to the Ocean



Table 2.3: Water Quality Results for Water Licence Monitoring Location - MP-C-B

Analyte	Sample ID ALS Laboratory Sample ID Sample Date & Time QA/QC Sample Type		Sa		MP-C-B L2708508-1 2022-05-18 16:30 N/A	MP-C-B L2708508-2 2022-05-20 13:10 N/A	MP-C-B L2708508-3 2022-05-21 16:25 N/A	MP-C-B L2709941-1 2022-05-24 13:10 N/A	MP-C-B L2710277-1 2022-05-26 12:30 N/A
	Units	LOR	Criteria ¹						
Conductivity	umhos/cm	1.0	-	-	-	-	373	-	
рН	pH units	0.10	6.0 - 9.5	7.80	7.99	8.03	7.99	7.82	
Total Suspended Solids	mg/L	1.0/2.0	Grab 30, Average 15	5.8	4.4	14.1	7.3	2.9	
Total Dissolved Solids	mg/L	10/20	-	212	242	234	214	356	
Turbidity	NTU	0.10	-	10.2	14.8	130	47.1	21.5	
Ammonia, Total (as N)	mg/L	0.050	-	1	-	-	1.21	-	
Nitrate (as N)	mg/L	0.020	-	-	-	-	0.264	-	
Oil and Grease, Total	mg/L	5.0	-	-	-	-	<5.0	-	
Oli aliu Grease, Total	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen	

¹Type A Water Licence (2AM-MRY1325 - Amend. 1) - Table 11: Effluent Quality Discharge Limits for Contact Water during the Operations Phase and the Early Revenue Phase of the Project



Table 2.4: Water Quality Results for Water Licence Monitoring Location - MS-01

Analyte		MS-01 L2703673-1 2022-05-03 14:45		
	Units	N/A		
рН	pH units	0.10	Criteria ¹ 6.0 - 9.5	7.48
Total Suspended Solids	mg/L	1.0	35	4.1
Ammonia, Total (as N)	mg/L	0.010	4.0	0.101
Total Kjeldahl Nitrogen	mg/L	0.50	-	6.52
Phosphorus, Total	mg/L	0.030	4.0	2.03
Fecal Coliforms	CFU/100 mL	-	1,000	0
BOD	mg/L	2.0	30	<2.0
Oil and Croaco Total	mg/L	5.0	-	<5.0
Oil and Grease, Total	-	-	No Visible Sheen	No Visible Sheen
Toxicity	-	-	Not Acutely Toxic	-

¹ Type A Water Licence (2AM-MRY1325 - Amend. 1) - Table 4: Effluent Quality Discharge Limits for Sewage Treatment Facilities to Freshwater Receiving Environment



Table 2.5: Water Quality Results for Water Licence Monitoring Location - MS-01B

Analyte		MS-01B L2703684-1 2022-05-03 15:00 N/A		
	Units	LOR	Criteria ¹	
рН	pH units	0.10	6.0 - 9.5	8.01
Total Suspended Solids	mg/L	1.0	35	8.2
Ammonia, Total (as N)	mg/L	0.010	4.0	0.137
Total Kjeldahl Nitrogen	mg/L	0.050	-	0.935
Phosphorus, Total	mg/L	0.0030	4.0	0.912
Fecal Coliforms	CFU/100 mL	10	1,000	750
BOD	mg/L	2.0	30	3.2
Oil and Crossa Tatal	mg/L	5.0	-	<5.0
Oil and Grease, Total	-	-	No Visible Sheen	No Visible Sheen
Toxicity	-	-	Not Acutely Toxic	-

¹ Type A Water Licence (2AM-MRY1325 - Amend. 1) - Table 4: Effluent Quality Discharge Limits for Sewage Treatment Facilities to Freshwater Receiving Environment



Table 2.6: Water Quality Results for Water Licence Monitoring Location - MS-C-A

Analyte	A	MS-C-A L2708550-2 2022-05-22 14:45 N/A		
	Units			
Conductivity	umhos/cm	1.0	-	58
рН	pH units	0.10	6.0 - 9.5	7.46
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	4.0
Total Dissolved Solids	mg/L	10	-	43
Turbidity	NTU	0.10	-	26.3
Ammonia, Total (as N)	mg/L	0.010	-	0.061
Nitrate (as N)	mg/L	0.020	-	0.102
Oil and Grease, Total	mg/L	5.0	-	<5.0
Oli aliu Grease, Total	-	-	No Visible Sheen	No Visible Sheen

¹Type A Water Licence (2AM-MRY1325 - Amend. 1) - Table 11: Effluent Quality Discharge Limits for Contact Water during the Operations Phase and the Early Revenue Phase of the Project



Table 2.7: Water Quality Results for Water Licence Monitoring Location - MS-C-H

Analyte	A	MS-C-H L2708550-1 2022-05-22 12:45 N/A		
	Units	LOR	Criteria ¹	
Conductivity	umhos/cm	1.0	-	74.6
рН	pH units	0.10	6.0 - 9.5	7.34
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	6.6
Total Dissolved Solids	mg/L	10	-	41
Turbidity	NTU	0.10	-	17.1
Ammonia, Total (as N)	mg/L	0.050	-	1.69
Nitrate (as N)	mg/L	0.020	-	2.46
Oil and Grease, Total	mg/L	5.0	-	<5.0
On and Grease, Total	-	-	No Visible Sheen	No Visible Sheen

¹Type A Water Licence (2AM-MRY1325 - Amend. 1) - Table 11: Effluent Quality Discharge Limits for Contact Water during the Operations Phase and the Early Revenue Phase of the Project



Table 2.8: Water Quality Results for Water Licence Monitoring Location - MQ-C-B

Analyte	Sample ID ALS Laboratory Sample ID Sample Date & Time QA/QC Sample Type			MQ-C-B L2708550-3 2022-05-22 15:50 N/A	MQ-C-B01 L2708550-4 2022-05-22 15:50 Duplicate
	Units	LOR	Criteria ¹		
Conductivity	umhos/cm	1.0	-	74.8	75.2
рН	pH units	0.10	6.0 - 9.5	7.53	7.50
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	16.8	12.3
Total Dissolved Solids	mg/L	10	-	54	48
Turbidity	NTU	0.10	-	42	30.2
Ammonia, Total (as N)	mg/L	0.010	-	0.029	0.033
Nitrate (as N)	mg/L	0.020	-	0.066	0.103
Oil and Grease, Total	mg/L	5.0	-	<5.0	<5.0
Oil allu Grease, Total	-	- No Visible Sheen		No Visible Sheen	No Visible Sheen
Acute Toxicity	-	-	Not Acutely Toxic	Not Acutely Toxic	-

¹Type A Water Licence (2AM-MRY1325 - Amend. 1) - Table 11: Effluent Quality Discharge Limits for Contact Water during the Operations Phase and the Early Revenue Phase of the Project



Table 3.1: Flow and Volume Measurements - Part I Item 11 - May 2022

DATE	Camp Lake Freshwater for Domestic Use - Daily Water MS-MRY-1 (m³)	Camp Lake Freshwater for Industrial Use - Daily Water MS-MRY-1 (m³)	01 to Discharge	Treated Sewage Effluent from MS- 01B to Discharge Location #1 (m ³)	Sewage Sludge Removed from Mine Site WWTPs to Incinerator or Disposal Offsite by Backhaul (m³)	Sewage Sludge/Off-Spec Effluent Removed from Mine Site WWTPs to PWSP at Mine Site (m³)	Sewage Sludge Removed from Lift Stations to PWSP at Mine Site (m³)	Km 32 Lake Milne Port Camp Daily Water Use for Domestic Purposes MP- MRY-3 (m³)	Km 32 Lake Milne Port Camp Daily Water Use for Industrial Purposes MP- MRY-3 (m³)	Treated Sewage	Effluent from MP	Sewage Sludge Removed from Milne Port WWTPs to Incinerator or Disposal Offsite by Backhaul (m³)	Sewage Sludge Removed from Lift Stations to PWSP at Milne Port (m³)
1-May-22	143.6	9.5	31.0	110.2	0.4	0.0	0.0	58.0	0.0	26.0	21.4	0.3	0.0
2-May-22	137.3	0.0	32.0	115.7	0.9	0.0	0.0	43.8	0.0	25.0	18.4	1.3	0.0
3-May-22	111.9	0.0	33.0	106.2	0.9	0.0	0.0	43.2	0.0	25.0	36.6	0.2	0.0
4-May-22	114.4	12.9	25.0	112.8	1.1	0.0	0.0	55.9	0.0	25.0	44.7	1.2	0.0
5-May-22	139.1	12.9	32.0	105.5	1.1	0.0	0.0	50.7	2.0	25.0	22.9	1.0	0.0
6-May-22	148.5	12.9	32.0	109.6	0.9	0.0	0.0	62.5	0.0	20.0	21.1	1.3	0.0
7-May-22	133.5	12.9	32.0	132.8	0.3	0.0	0.0	44.3	0.0	24.0	21.1	1.3	0.0
8-May-22	162.6	12.0	32.0	147.0	0.7	0.0	0.0	52.1	0.0	25.0	26.2	0.3	0.0
9-May-22	153.0	9.5	32.0	147.7	0.8	0.0	0.0	58.9	0.0	24.0	25.1	1.3	0.0
10-May-22	182.5	0.9	31.0	146.4	1.0	0.0	0.0	46.2	0.0	22.0	27.5	0.3	0.0
11-May-22	200.6	12.9	48.0	124.5	1.3	0.0	120.0	52.1	0.0	25.0	40.7	1.0	0.0
12-May-22	171.6	7.7	54.0	92.9	0.8	0.0	0.0	50.7	0.0	25.0	26.8	0.3	2.8
13-May-22	164.0	9.5	49.0	106.3	1.1	0.0	16.0	45.8	5.0	22.0	28.0	1.0	0.0
14-May-22	151.7	6.9	48.0	125.9	1.1	0.0	0.0	44.0	3.0	20.0	20.5	1.3	0.0
15-May-22	150.0	5.2	42.0	113.4	0.7	0.0	0.0	47.9	8.0	15.0	25.8	0.3	0.0
16-May-22	147.1	10.3	36.0	115.2	1.0	0.0	0.0	43.4	11.0	17.0	28.4	1.0	0.0
17-May-22	148.6	3.4	31.0	134.8	0.5	0.0	0.0	38.6	9.0	14.0	21.4	1.3	0.0
18-May-22	164.2	0.0	39.0	128.3	1.1	0.0	0.0	67.9	6.0	19.0	24.8	1.0	0.0
19-May-22	117.3	15.5	35.0	113.4	1.4	0.0	0.0	42.4	8.0	25.0	29.2	1.3	0.0
20-May-22	96.4	2.2	38.0	101.9	1.1	0.0	0.0	56.5	6.0	25.0	24.0	1.0	0.0
21-May-22	149.7	4.1	38.0	128.0	0.9	0.0	0.0	35.8	6.0	25.0	25.9	1.0	0.0
22-May-22	128.4	6.2	39.0	129.2	1.1	0.0	0.0	30.5	0.0	19.0	13.0	1.0	0.0
23-May-22	123.7	4.8	44.0	117.3	0.8	0.0	0.0	66.9	0.0	21.0	6.0	1.0	0.0
24-May-22	152.7	6.2	36.0	118.6	1.1	0.0	0.0	56.3	0.0	22.0	4.0	1.2	0.0
25-May-22	128.6	8.6	32.0	119.5	1.1	0.0	0.0	55.5	0.0	20.0	31.2	1.0	0.0
26-May-22	99.6	10.8	39.0	103.3	1.1	0.0	0.0	76.8	0.0	22.0	18.8	1.3	0.0
27-May-22	163.1	0.0	37.0	116.3	1.4	0.0	0.0	48.3	0.0	20.0	19.6	1.0	0.0
28-May-22	106.8	7.7	24.0	121.4	1.7	0.0	0.0	40.9	3.0	17.0	15.0	1.3	0.0
29-May-22	174.6	3.9	25.0	133.7	1.1	0.0	0.0	61.4	0.0	18.0	29.0	1.3	0.0
30-May-22	115.0	8.6	30.0	134.5	1.1	0.0	0.0	37.0	0.0	18.0	17.0	1.3	0.0
31-May-22	126.7	15.5	27.0	121.7	1.2	0.0	0.0	34.8	6.0	15.0	18.3	0.3	0.0
Total	4,406.8	233.3	1,103.0	3,734.0	31.1	0.0	136.0	1,549.0	73.0	665.0	732.6	29.1	2.8

WWTP - Waste Water Treatment Plant PWSP - Polishing Waste Stabilization Pond