

October 30, 2021

Manager of Licensing
Nunavut Water Board
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Resource Management Officer, CIRNAC
Nunavut District, Nunavut Region
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**RE: Water Licence 2AM-MRY1325 Monthly Surveillance Network Program (SNP) Report
September 2021**

The following is the monthly report for September 2021 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 September 2021, 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 2.28. 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 September 2021.

Monitoring Program Results

Water Sampling and Analysis Results

Tables 2.1 through 2.28 provide the analytical results related to the SNP sampling requirements for September 2021. Observed exceedances of applicable water quality criteria for September 2021 are as follows:

- At the Mine Site surface water monitoring station MS-C-F, the monthly TSS average was observed to be 17.2 mg/L, exceeding the monitoring station's permitted monthly TSS average criteria of 15 mg/L.

MS-C-F is a surface water monitoring station located at the base of Deposit No. 1 and is positioned north of the Mine Site Mobile Maintenance Pad and Mine Haul Road. Surface flows from MS-C-F discharge northwest through a drainage route that is also monitored by surface monitoring stations MS-C-A and MS-C-B. On September 2, 2021, elevated TSS levels (26.7 mg/L) were observed at MS-C-F due to large

rainfall events and upstream runoff from dam construction activities near the Mine Haul Road. In response to elevated TSS levels, corrective actions were implemented to settle out sediment from the runoff, including the repair and readjustment of existing sedimentation controls upstream of the MS-C-F monitoring station below the Mine Haul Road. The dam is part of the infrastructure which is being constructed as part of the Mine Site Long Term Water Management Plan (LTWMP) to provide settling capacity for TSS. TSS concentrations at MS-C-A and MS-C-B during September were observed to range between non-detect (<2.0 mg/L) and a maximum of 3.7 mg/L, confirming minimal impact from MS-C-F surface water flows. A TSS concentration 7.7 mg/L was observed in the subsequent sample taken at MS-C-F on September 7, 2021, indicating that the elevated TSS levels observed on September 2, 2021 were transitory and that correction actions taken were effective at reducing TSS levels below the applicable criteria.

Flow and Volume Measurements

Table 3.1 provides a breakdown of volume measurements for September 2021 as required by Part I, Item 9 of the Licence. There were no exceedances of the source specific daily volume withdrawal limits in September 2021.

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.

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Attachments

Attachments – Monthly Water Sampling Results: Table 1.1, Tables 2.1 – 2.28, Table 3.1

Attachments

Monthly Water Sampling Results

Table 1.1: Monitoring Program Water Sampling Summary for September 2021

Monitoring Program Station	Sampling Date	Lab ID Number	Comment
Milne Port			
MP-01 (Sewage Treatment Facility)	2021-09-08 2021-09-15	L2637961-1 L2640590-1	Discharge volume recorded daily; September 1 – 30.
MP-01A (Polishing Waste Stabilization Pond)	2021-09-01	L2635378-1	Discharge volume recorded daily; September 1 - 4.
MP-01B (Sewage Treatment Facility)	2021-09-08 2021-09-15	L2637988-1 L2640599-1	Discharge volume recorded daily; September 1 - 30.
MP-MRY-2 (Freshwater Intake at Phillips Creek)	N/A	N/A	No water withdrawal.
MP-MRY-3 (Freshwater Intake from Km 32 Lake)	N/A	N/A	Withdrawal volume recorded daily; September 1 – 30.
MP-02 (Milne Port Maintenance Shop)	N/A	N/A	No discharge.
MP-03 (Bulk Fuel Storage Facility Stormwater)	N/A	N/A	No discharge.
MP-04 (Treated Oily Water from Milne Port Landfarm Facility to Tundra)	2021-09-01	L2634815-1	Discharge volume recorded daily; September 1 – 4.
MP-04A (Treated Oily Water from Milne Port Snowdump Facility to Tundra)	N/A	N/A	No discharge.
MP-05 Ore Stockpile Sedimentation Pond (East)	2021-09-08	L2637962-1	Discharge volume recorded daily; September 8, September 20.
MP-06 Ore Stockpile Sedimentation Pond (West)	2021-09-01	L2634795-1	Discharge volume recorded daily; September 1 – 2.
MP-C-A (Downstream of Construction Area)	N/A	N/A	No flow.
MP-C-B (Downstream of Construction Area)	2021-09-01 2021-09-07 2021-09-14	L2634765-1 L2637047-1 L2639311-4	-
MP-C-B (Field Duplicate of MP-C-B)	2021-09-01	L2634765-2	-
MP-C-C (Downstream of Construction Area)	N/A	N/A	No flow.
MP-C-D (Downstream of Construction Area)	N/A	N/A	No flow.

Monitoring Program Station	Sampling Date	Lab ID Number	Comment
MP-C-E (Downstream of Construction Area)	N/A	N/A	No flow.
MP-C-F (Downstream of Construction Area)	N/A	N/A	No flow.
MP-C-H (Downstream of Construction Area)	2021-09-01 2021-09-07 2021-09-14	L2634765-5 L2637047-5 L2639311-1	-
MP-C-H01 (Field Duplicate of MP-C-H)	2021-09-14	L2639311-2	-
MP-C-J (Downstream of Construction Area)	2021-09-01 2021-09-07	L2634765-3 L2637047-2	-
MP-C-K (Downstream of Construction Area)	2021-09-01 2021-09-07 2021-09-14	L2634765-4 L2637047-3 L2639311-3	-
MP-C-K01 (Field Duplicate of MP-C-K)	2021-09-07	L2637047-4	-
MP-Q1-01 (Downstream of Q1 Quarry)	N/A	N/A	No flow.
MP-Q1-02 (Downstream of Q1 Quarry)	2021-09-01 2021-09-07	L2634765-6 L2637047-6	-
Mary River Mine Site			
MS-01 (Sewage Treatment Facility)	2021-09-08	L2637974-1	Discharge volume recorded daily; September 1 - 30.
MS-01A (Mine Site Polishing Waste Stabilization Pond)	N/A	N/A	Facility not constructed.
MS-01B (Sewage Treatment Facility)	2021-09-08	L2637955-1	Discharge volume recorded daily; September 1 - 30.
MS-02 (Mine Site Maintenance Shop)	N/A	N/A	No discharge.
MS-MRY-1 (Freshwater Intake Camp Lake)	N/A	N/A	Withdrawal volume recorded daily; September 1 - 30.
MS-MRY-04A (Polishing Waste Stabilization Pond)	N/A	N/A	No discharge.
MS-MRY-04B (Polishing Waste Stabilization Pond)	N/A	N/A	No discharge.
MS-MRY-04C (Polishing Waste Stabilization Pond)	N/A	N/A	No discharge.

Monitoring Program Station	Sampling Date	Lab ID Number	Comment
MS-03 (Mine Site Bulk Fuel Storage Facility Stormwater)	N/A	N/A	No discharge.
MS-03B (Mine Site Bulk Fuel Storage Facility Stormwater)	N/A	N/A	No discharge.
MS-04 (Mine Site Fuel Unloading Station Stormwater)	N/A	N/A	No discharge.
MS-05 (Mine Site Landfarm Facility)	N/A	N/A	Facility not constructed.
MS-06 (Ore Stockpile Pond Stormwater)	2021-09-01 2021-09-10	L2634291-1 L2638230-1	Discharge volume recorded daily; September 1, September 10.
MS-07 (Run of Mine Ore Stockpile Pond Stormwater)	N/A	N/A	No discharge.
MS-08 (Mine Waste Rock Stockpile Pond)	N/A	N/A	No discharge.
MS-09 (Waste Rock Stockpile East Pond)	N/A	N/A	Facility not constructed.
MS-MRY-6 (Exploration Camp Bulk Fuel Storage Facility Stormwater)	N/A	N/A	No discharge.
MS-MRY-09 (Deposit 1 Surface Water Drainage)	2021-09-04 2021-09-06 2021-09-13 2021-09-20 2021-09-27	L2635818-1 L2635847-1 L2639307-1 L2642214-1 L2644501-1	-
MS-MRY-0901 (Field Duplicate of MS-MRY-09)	2021-09-13	L2639307-2	-
MS-MRY-10 (Deposit 1 Surface Water Drainage)	2021-09-03 2021-09-08	L2635757-1 L2637080-1	-
MS-MRY-13A (Downstream Non-Hazardous Landfill)	N/A	N/A	No flow.
MS-MRY-13B (Downstream Non-Hazardous Landfill)	2021-09-02 2021-09-07 2021-09-13	L2635278-9 L2636426-5 L2639307-9	-
MS-MRY-13B01 (Field Duplicate of MS-MRY-13B)	2021-09-07	L2636426-6	-

Monitoring Program Station	Sampling Date	Lab ID Number	Comment
MS-C-A (Downstream of Construction and Borrow Areas)	2021-09-02	L2635278-2	-
	2021-09-07	L2636426-1	
	2021-09-13	L2639307-12	
	2021-09-20	L2642214-4	
	2021-09-27	L2644501-3	
MS-C-B (Downstream of Construction and Borrow Areas)	2021-09-02	L2635278-7	-
	2021-09-07	L2636426-2	
	2021-09-13	L2639307-13	
MS-C-C (Downstream of Construction and Borrow Areas)	2021-09-02	L2635278-6	-
	2021-09-07	L2636426-10	
MS-C-D (Downstream of Construction and Borrow Areas)	2021-09-02	L2635278-5	-
	2021-09-07	L2636426-8	
	2021-09-13	L2639307-8	
MS-C-E (Downstream of Construction and Borrow Areas)	2021-09-02	L2635278-3	-
	2021-09-07	L2636426-7	
	2021-09-13	L2639307-6	
MS-C-E01 (Field Duplicate of MS-C-E)	2021-09-02	L2635278-3	-
MS-C-F (Downstream of Construction and Borrow Areas)	2021-09-02	L2635278-1	-
	2021-09-07	L2636426-9	
MS-C-G (Downstream of Construction and Borrow Areas)	2021-09-02	L2635278-8	-
	2021-09-07	L2636426-3	
	2021-09-13	L2639307-10	
MS-C-H (Downstream of Construction and Borrow Areas)	2021-09-02	L2635278-10	-
	2021-09-07	L2636426-4	
	2021-09-13	L2639307-11	
MS-C-H01 (Field Duplicate of MS-C-H)	2021-09-02	L2635278-11	-
MQ-C-A (Downstream of QMR2 Quarry)	2021-09-04	L2635806-1	-
	2021-09-07	L2636426-12	
	2021-09-13	L2639307-3	
MQ-C-B (Downstream of QMR2 Quarry)	2021-09-02	L2635278-12	-
	2021-09-07	L2636426-11	
	2021-09-13	L2639307-5	
	2021-09-20	L2642214-3	
	2021-09-27	L2644501-4	

Monitoring Program Station	Sampling Date	Lab ID Number	Comment
MQ-C-D (Downstream of QMR2 Quarry)	2021-09-02	L2635278-13	-
	2021-09-07	L2636426-13	
	2021-09-13	L2639307-4	
	2021-09-20	L2642214-2	
	2021-09-27	L2644501-2	
MQ-C-D01 (Field Duplicate of MQ-C-D)	2021-09-27	L2644501-5	-
Steensby Port			
Steensby Exploration Camp is presently inactive.	N/A	N/A	N/A

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

Analyte	Sample ID			MP-01	MP-01	MP-01	MP-01
	ALS Laboratory Sample ID			L2637961-1	L2637961-3	L2640590-1	L2640590-3
	Sample Date & Time			2021-09-08 13:10	2021-09-08 13:10	2021-09-15 13:10	2021-09-15 13:00
	QA/QC Sample Type			N/A	Travel Blank	N/A	Travel Blank
	Units	LOR	Criteria ¹				
pH	pH units	0.10	6.0 - 9.5	7.90	5.87	7.74	5.57
Total Suspended Solids	mg/L	1.0	120	<1.0	<1.0	<1.0	<1.0
Ammonia, Total (as N)	mg/L	0.010	-	0.050	<0.010	0.042	<0.010
Total Kjeldahl Nitrogen	mg/L	0.50/0.050	-	6.85	<0.050	3.49	<0.050
Phosphorus, Total	mg/L	0.060/0.0030	-	13.7	0.0035	10.9	<0.0030
Fecal Coliforms	CFU/100 mL	-	10,000	0	0	0	0
BOD	mg/L	2.0	100	<2.0	<2.0	<2.0	<2.0
Oil and Grease, Total	mg/L	5.0/2.0	-	<2.0	<2.0	<2.0	<5.0
	-	-	No Visible Sheen	No Visible Sheen	-	No Visible Sheen	-
Toxicity	-	-	Not Acutely Toxic	-	-	-	-

Notes:

Bold highlight indicates result that exceeded the applicable water quality criteria.

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-01A

Analyte	Sample ID			MP-01A
	ALS Laboratory Sample ID			L2635378-1
	Sample Date & Time			2021-09-01 15:30
	QA/QC Sample Type			N/A
	Units	LOR	Criteria ¹	
pH	pH units	0.10	6.0 - 9.5	7.96
Total Suspended Solids	mg/L	1.0	120	13.0
Ammonia, Total (as N)	mg/L	1.0	-	6.7
Total Kjeldahl Nitrogen	mg/L	0.50	-	13.0
Phosphorus, Total	mg/L	0.0030	-	0.217
Fecal Coliforms	CFU/100mL	0	10,000	0
BOD	mg/L	3.0	100	<3.0
COD	mg/L	10	-	120
Oil and Grease, Total	mg/L	5.0	-	<5.0
	-	-	No Visible Sheen	No Visible Sheen
Acute Toxicity	-	-	Not Acutely Toxic	-

Notes:

Bold highlight indicate results that exceeded the applicable water quality criteria.

¹Type 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-01B

Analyte	Sample ID			MP-01B	MP-01B	MP-01B	MP-01B
	ALS Laboratory Sample ID			L2637988-1	L2637988-3	L2640599-1	L2640599-3
	Sample Date & Time			2021-09-08 13:15	2021-09-08 13:00	2021-09-15 13:15	2021-09-15 13:00
	QA/QC Sample Type			N/A	Travel Blank	N/A	Travel Blank
	Units	LOR	Criteria ¹				
pH	pH units	0.10	6.0 - 9.5	8.17	5.77	8.09	6.03
Total Suspended Solids	mg/L	1.0	120	<1.0	<1.0	<1.0	<1.0
Ammonia, Total (as N)	mg/L	0.010	-	0.048	<0.010	0.051	0.024
Total Kjeldahl Nitrogen	mg/L	0.050	-	0.885	<0.050	0.787	<0.050
Phosphorus, Total	mg/L	0.030/0.0030	-	9.38	0.0073	5.56	<0.0030
Fecal Coliforms	CFU/100 mL	-	10,000	4	0	4	0
BOD	mg/L	2.0	100	<2.0	<2.0	<2.0	<2.0
Oil and Grease, Total	mg/L	2.0	-	<2.0	<2.0	<2.0	<2.0
	-	-	No Visible Sheen	No Visible Sheen	-	No Visible Sheen	-
Toxicity	-	-	Not Acutely Toxic	-	-	-	-

Notes:

Bold highlight indicates result that exceeded the applicable water quality criteria.

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

Table 2.4: Water Quality Results for Water Licence Monitoring Location - MP-04

Analyte	Sample ID			MP-04
	ALS Laboratory Sample ID			L2634815-1
	Sample Date & Time			2021-09-01 10:30
	QA/QC Sample Type			N/A
	Units	LOR	Criteria ¹	
pH	pH units	0.10	6.0 - 9.5	8.10
Total Suspended Solids	mg/L	1.0	15	2.6
Total Dissolved Solids	mg/L	20	-	785
Turbidity	NTU	0.10	-	5.43
Lead (Pb)-Total	mg/L	0.00050	0.001	<0.00050
Benzene	mg/L	0.00050	0.370	<0.00050
Ethylbenzene	mg/L	0.00050	0.090	<0.00050
Toluene	mg/L	0.00050	0.002	<0.00050
F1 (C6-C10)	mg/L	0.0250	-	<0.0250
F2 (C10-C16)	mg/L	0.100	-	0.390
F3 (C16-C34)	mg/L	0.250	-	<0.250
F4 (C34-C50)	mg/L	0.250	-	<0.250
Total Hydrocarbons (C6-C50)	mg/L	0.370	-	0.390
Oil and Grease, Total	mg/L	5.0	15	<5.0
	-	-	No Visible Sheen	No Visible Sheen

Notes:

Bold highlight indicates result that exceeded the applicable water quality criteria.

¹Type A Water Licence (2AM-MRY1325 - Amend. 1) - Table 9: Effluent Quality Discharge Limits for the Landfarm Facilities

Table 2.5: Water Quality Results for Water Licence Monitoring Location - MP-05

Analyte	Sample ID			MP-05
	ALS Laboratory Sample ID			L2637962-1
	Sample Date & Time			2021-09-08 15:25
	QA/QC Sample Type			N/A
	Units	LOR	Criteria ¹	
Hardness (as CaCO ₃)	mg/L	0.50	-	426
pH	pH units	0.10	6.0 - 9.5	8.31
Total Suspended Solids	mg/L	2.0	15	2.1
Total Dissolved Solids	mg/L	10	-	697
Turbidity	NTU	0.10	-	6.16
Alkalinity, Total (as CaCO ₃)	mg/L	1.0	-	198
Ammonia, Total (as N)	mg/L	0.10	-	0.58
Chloride (Cl)	mg/L	2.5	-	131
Fluoride (F)	mg/L	0.10	-	<0.10
Nitrate (as N)	mg/L	0.10	-	4.45
Total Kjeldahl Nitrogen	mg/L	0.050	-	2.24
Phosphorus, Total	mg/L	0.0030	-	0.0060
Sulfate (SO ₄)	mg/L	1.5	-	179
Dissolved Organic Carbon	mg/L	0.50	-	6.86
Total Organic Carbon	mg/L	0.50	-	5.89
Aluminum (Al)-Total	mg/L	0.0050	-	0.0586
Arsenic (As)-Total	mg/L	0.00010	0.50	0.00022
Cadmium (Cd)-Total	mg/L	0.0000050	-	<0.0000050
Calcium (Ca)-Total	mg/L	0.050	-	83.5
Copper (Cu)-Total	mg/L	0.00050	0.30	0.00170
Iron (Fe)-Total	mg/L	0.010	-	0.101
Lead (Pb)-Total	mg/L	0.000050	0.20	0.000156
Magnesium (Mg)-Total	mg/L	0.0050	-	54.9
Manganese (Mn)-Total	mg/L	0.00050	-	0.0758
Mercury (Hg)-Total	mg/L	0.0000050	-	<0.0000050
Molybdenum (Mo)-Total	mg/L	0.000050	-	0.00339
Nickel (Ni)-Total	mg/L	0.00050	0.50	0.00139
Potassium (K)-Total	mg/L	0.050	-	8.39
Selenium (Se)-Total	mg/L	0.000050	-	0.000337
Sodium (Na)-Total	mg/L	0.050	-	58.0
Thallium (Tl)-Total	mg/L	0.000010	-	0.000017
Uranium (U)-Total	mg/L	0.000010	-	0.0747
Zinc (Zn)-Total	mg/L	0.0030	0.50	0.0114
Aluminum (Al)-Dissolved	mg/L	0.0050	-	0.0091
Arsenic (As)-Dissolved	mg/L	0.00010	-	0.00021
Cadmium (Cd)-Dissolved	mg/L	0.0000050	-	0.0000135
Calcium (Ca)-Dissolved	mg/L	0.050	-	80.9
Copper (Cu)-Dissolved	mg/L	0.00020	-	0.00159
Iron (Fe)-Dissolved	mg/L	0.010	-	0.014
Lead (Pb)-Dissolved	mg/L	0.000050	-	0.000058
Magnesium (Mg)-Dissolved	mg/L	0.0050	-	54.4
Manganese (Mn)-Dissolved	mg/L	0.00050	-	0.0676
Mercury (Hg)-Dissolved	mg/L	0.0000050	-	<0.0000050
Molybdenum (Mo)-Dissolved	mg/L	0.000050	-	0.00328
Nickel (Ni)-Dissolved	mg/L	0.00050	-	0.00165
Potassium (K)-Dissolved	mg/L	0.050	-	8.37
Selenium (Se)-Dissolved	mg/L	0.000050	-	0.000421
Sodium (Na)-Dissolved	mg/L	0.050	-	57.5
Thallium (Tl)-Dissolved	mg/L	0.000010	-	0.000014
Uranium (U)-Dissolved	mg/L	0.000010	-	0.0711
Zinc (Zn)-Dissolved	mg/L	0.0010	-	0.0099
Oil and Grease, Total	mg/L	-	-	-
	-	-	No Visible Sheen	No Visible Sheen
Toxicity	-	-	Not Acutely Toxic	-

Notes:

Bold highlight indicate results that exceeded the applicable water quality criteria.

¹Type A Water Licence (2AM-MRY1325 - Amend. 1) - Table 10: Effluent Quality Discharge Limits for Open Pit, Stockpiles, and Sedimentation Ponds

Table 2.6: Water Quality Results for Water Licence Monitoring Location - MP-06

Analyte	Sample ID			MP-06
	ALS Laboratory Sample ID			L2634795-1
	Sample Date & Time			2021-09-01 11:15
	QA/QC Sample Type			N/A
	Units	LOR	Criteria ¹	
Hardness (as CaCO ₃)	mg/L	1.3	-	549
pH	pH units	0.10	6.0 - 9.5	8.11
Total Suspended Solids	mg/L	2.0	15	2.1
Total Dissolved Solids	mg/L	10	-	1,030
Turbidity	NTU	0.10	-	4.27
Alkalinity, Total (as CaCO ₃)	mg/L	1.0	-	150
Ammonia, Total (as N)	mg/L	0.010	-	0.350
Chloride (Cl)	mg/L	2.5	-	159
Fluoride (F)	mg/L	0.10	-	0.48
Nitrate (as N)	mg/L	0.10	-	7.49
Total Kjeldahl Nitrogen	mg/L	0.050	-	1.82
Phosphorus, Total	mg/L	0.0030	-	0.0044
Sulfate (SO ₄)	mg/L	1.5	-	428
Dissolved Organic Carbon	mg/L	0.50	-	5.13
Total Organic Carbon	mg/L	0.50	-	5.96
Aluminum (Al)-Total	mg/L	0.050	-	<0.050
Arsenic (As)-Total	mg/L	0.0010	0.50	<0.0010
Cadmium (Cd)-Total	mg/L	0.000050	-	<0.000050
Calcium (Ca)-Total	mg/L	0.50	-	104
Copper (Cu)-Total	mg/L	0.0050	0.30	<0.0050
Iron (Fe)-Total	mg/L	0.10	-	<0.10
Lead (Pb)-Total	mg/L	0.00050	0.20	<0.00050
Magnesium (Mg)-Total	mg/L	0.050	-	65.3
Manganese (Mn)-Total	mg/L	0.0050	-	0.107
Mercury (Hg)-Total	mg/L	0.0000050	-	<0.0000050
Molybdenum (Mo)-Total	mg/L	0.00050	-	0.0134
Nickel (Ni)-Total	mg/L	0.0050	0.50	<0.0050
Potassium (K)-Total	mg/L	0.50	-	15.6
Selenium (Se)-Total	mg/L	0.00050	-	0.00073
Sodium (Na)-Total	mg/L	0.50	-	104
Thallium (Tl)-Total	mg/L	0.00010	-	<0.00010
Uranium (U)-Total	mg/L	0.00010	-	0.778
Zinc (Zn)-Total	mg/L	0.030	0.50	<0.030
Aluminum (Al)-Dissolved	mg/L	0.050	-	<0.050
Arsenic (As)-Dissolved	mg/L	0.0010	-	<0.0010
Cadmium (Cd)-Dissolved	mg/L	0.000050	-	<0.000050
Calcium (Ca)-Dissolved	mg/L	0.50	-	114
Copper (Cu)-Dissolved	mg/L	0.0020	-	<0.0020
Iron (Fe)-Dissolved	mg/L	0.10	-	<0.10
Lead (Pb)-Dissolved	mg/L	0.00050	-	<0.00050
Magnesium (Mg)-Dissolved	mg/L	0.050	-	64.0
Manganese (Mn)-Dissolved	mg/L	0.0050	-	0.0998
Mercury (Hg)-Dissolved	mg/L	0.0000050	-	<0.0000050
Molybdenum (Mo)-Dissolved	mg/L	0.00050	-	0.0150
Nickel (Ni)-Dissolved	mg/L	0.0050	-	<0.0050
Potassium (K)-Dissolved	mg/L	0.50	-	15.5
Selenium (Se)-Dissolved	mg/L	0.0020	-	0.0111
Sodium (Na)-Dissolved	mg/L	0.00050	-	<0.00050
Thallium (Tl)-Dissolved	mg/L	0.0020	-	<0.0020
Uranium (U)-Dissolved	mg/L	0.0010	-	<0.0010
Zinc (Zn)-Dissolved	mg/L	0.0050	-	<0.0050
Oil and Grease, Total	mg/L	0.010	-	<0.010
	-	-	No Visible Sheen	No Visible Sheen
Toxicity	-	-	Not Acutely Toxic	-

Notes:

Bold highlight indicate results that exceeded the applicable water quality criteria.

¹Type A Water Licence (2AM-MRY1325 - Amend. 1) - Table 10: Effluent Quality Discharge Limits for Open Pit, Stockpiles, and Sedimentation Ponds

Table 2.7: Water Quality Results for Water Licence Monitoring Location - MP-C-B

Analyte	Sample ID			MP-C-B	MP-C-B	MP-C-B	MP-C-B
	ALS Laboratory Sample ID			L2634765-1	L2634765-2	L2637047-1	L2639311-4
	Sample Date & Time			2021-09-01 10:00	2021-09-01 10:00	2021-09-07 16:25	2021-09-14 10:40
	QA/QC Sample Type			N/A	Field Duplicate	N/A	N/A
	Units	LOR	Criteria ¹				
Conductivity	umhos/cm	1.0	-	746	750	-	-
pH	pH units	0.10	6.0 - 9.5	8.18	8.22	8.20	7.85
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	432	428	394	469
Turbidity	NTU	0.10	-	1.69	1.71	1.64	0.47
Ammonia, Total (as N)	mg/L	0.010	-	0.023	0.022	-	-
Nitrate (as N)	mg/L	0.020	-	4.34	4.34	-	-
Oil and Grease, Total	mg/L	5.0	-	<5.0	<5.0	-	-
	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen

Notes:

Bold highlight indicates result that exceeded the applicable water quality criteria.

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 - MP-C-H

Analyte	Sample ID			MP-C-H	MP-C-H	MP-C-H	MP-C-H
	ALS Laboratory Sample ID			L2634765-5	L2637047-5	L2639311-1	L2639311-2
	Sample Date & Time			2021-09-01 10:45	2021-09-07 10:30	2021-09-14 9:00	2021-09-14 9:00
	QA/QC Sample Type			N/A	N/A	N/A	Field Duplicate
	Units	LOR	Criteria ¹				
Conductivity	umhos/cm	1.0	-	346	-	-	-
pH	pH units	0.10	6.0 - 9.5	8.28	8.20	8.09	8.13
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	202	204	217	197
Turbidity	NTU	0.10	-	0.12	0.45	0.11	0.11
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-	-	-
Nitrate (as N)	mg/L	0.020	-	0.151	-	-	-
Oil and Grease, Total	mg/L	2.0	-	<2.0	-	-	-
	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen

Notes:

Bold highlight indicate results that exceeded the applicable water quality criteria.

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 2.9: Water Quality Results for Water Licence Monitoring Location - MP-C-J

Analyte	Sample ID			MP-C-J	MP-C-J
	ALS Laboratory Sample ID			L2634765-3	L2637047-2
	Sample Date & Time			2021-09-01 9:20	2021-09-07 9:45
	QA/QC Sample Type			N/A	N/A
	Units	LOR	Criteria ¹		
Conductivity	umhos/cm	1.0	-	500	-
pH	pH units	0.10	6.0 - 9.5	7.89	7.91
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	2.2	<2.0
Total Dissolved Solids	mg/L	10	-	277	281
Turbidity	NTU	0.10	-	<0.10	0.21
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-
Nitrate (as N)	mg/L	0.020	-	0.088	-
Oil and Grease, Total	mg/L	5.0	-	<5.0	-
	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen

Notes:

Bold highlight indicate results that exceeded the applicable water quality criteria.

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 2.10: Water Quality Results for Water Licence Monitoring Location - MP-C-K

Analyte	Sample ID			MP-C-K	MP-C-K	MP-C-K	MP-C-K
	ALS Laboratory Sample ID			L2634765-4	L2637047-3	L2637047-4	L2639311-3
	Sample Date & Time			2021-09-01 9:40	2021-09-07 16:05	2021-09-07 16:05	2021-09-14 10:25
	QA/QC Sample Type			N/A	N/A	Field Duplicate	N/A
	Units	LOR	Criteria ¹				
Conductivity	umhos/cm	1.0	-	1,030	-	-	-
pH	pH units	0.10	6.0 - 9.5	8.15	8.15	8.13	7.84
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	<2.0	<2.0	2.5
Total Dissolved Solids	mg/L	10	-	614	570	575	795
Turbidity	NTU	0.10	-	0.43	0.32	0.29	0.27
Ammonia, Total (as N)	mg/L	0.010	-	0.028	-	-	-
Nitrate (as N)	mg/L	0.020	-	1.21	-	-	-
Oil and Grease, Total	mg/L	5.0	-	<5.0	-	-	-
	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen

Notes:

Bold highlight indicates result that exceeded the applicable water quality criteria.

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 2.11: Water Quality Results for Water Licence Monitoring Location - MP-Q1-02

Analyte	Sample ID			MP-Q1-02	MP-Q1-02
	ALS Laboratory Sample ID			L2634765-6	L2637047-6
	Sample Date & Time			2021-09-01 8:00	2021-09-07 15:10
	QA/QC Sample Type			N/A	N/A
	Units	LOR	Criteria ¹		
Conductivity	umhos/cm	1.0	-	558	-
pH	pH units	0.10	6.0 - 9.5	7.98	7.76
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	336	300
Turbidity	NTU	0.10	-	2.29	2.16
Ammonia, Total (as N)	mg/L	0.010	-	0.010	-
Nitrate (as N)	mg/L	0.020	-	5.32	-
Oil and Grease, Total	mg/L	5.0	-	<5.0	-
	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen
Acute Toxicity	-	-	Not Acutely Toxic	Not Acutely Toxic	-

Notes:

Bold highlight indicate results that exceeded the applicable water quality criteria.

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 2.12: Water Quality Results for Water Licence Monitoring Location - MS-01

Analyte	Sample ID			MS-01	MS-01
	ALS Laboratory Sample ID			L2637974-1	L2637974-3
	Sample Date & Time			2021-09-08 14:45	2021-09-08 14:45
	QA/QC Sample Type			N/A	Travel Blank
	Units	LOR	Criteria ¹		
pH	pH units	0.10	6.0 - 9.5	7.56	6.48
Total Suspended Solids	mg/L	1.0	35	<1.0	<1.0
Ammonia, Total (as N)	mg/L	0.010	4.0	0.283	0.014
Total Kjeldahl Nitrogen	mg/L	0.050	-	1.59	0.065
Phosphorus, Total	mg/L	0.030/0.0030	4.0	2.66	<0.0030
Fecal Coliforms	CFU/100 mL	-	1,000	0	0
BOD	mg/L	2.0	30	<2.0	<2.0
Oil and Grease, Total	mg/L	5.0	-	<5.0	<5.0
	-	-	No Visible Sheen	No Visible Sheen	-
Toxicity	-	-	Not Acutely Toxic	-	-

Notes:

Bold highlight indicates result that exceeded the applicable water quality criteria.

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

Table 2.13: Water Quality Results for Water Licence Monitoring Location - MS-01B

Analyte	Sample ID			MS-01B	MS-01B
	ALS Laboratory Sample ID			L2637955-1	L2637955-3
	Sample Date & Time			2021-09-08 15:00	2021-09-08 15:00
	QA/QC Sample Type			N/A	Travel Blank
	Units	LOR	Criteria ¹		
pH	pH units	0.10	6.0 - 9.5	8.37	6.31
Total Suspended Solids	mg/L	1.0	35	2.9	<1.0
Ammonia, Total (as N)	mg/L	0.010	4.0	0.187	<0.010
Total Kjeldahl Nitrogen	mg/L	0.050	-	1.48	0.085
Phosphorus, Total	mg/L	0.0060/0.0030	4.0	1.01	<0.0030
Fecal Coliforms	CFU/100 mL	0	1,000	0	0
BOD	mg/L	2.0	30	<2.0	<2.0
Oil and Grease, Total	mg/L	5.0	-	<5.0	<5.0
	-	-	No Visible Sheen	No Visible Sheen	-
Toxicity	-	-	Not Acutely Toxic	-	-

Notes:

Bold highlight indicates result that exceeded the applicable water quality criteria.

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

Table 2.14: Water Quality Results for Water Licence Monitoring Location - MS-06

Analyte	Sample ID			MS-06	MS-06
	ALS Laboratory Sample ID			L2634291-1	L2638230-1
	Sample Date & Time			2021-09-01 11:25	2021-09-10 10:55
	QA/QC Sample Type			N/A	N/A
	Units	LOR	Criteria ¹		
Hardness (as CaCO3)	mg/L	0.50	-	523	494
pH	pH units	0.50	6.0 - 9.5	7.49	7.59
Total Suspended Solids	mg/L	0.10	15	4.0	2.6
Total Dissolved Solids	mg/L	2.0	-	782	808
Turbidity	NTU	10	-	8.77	6.4
Alkalinity, Total (as CaCO3)	mg/L	1.0	-	43.1	27.8
Ammonia, Total (as N)	mg/L	0.050/0.0050	-	1.17	1.04
Chloride (Cl)	mg/L	0.50	-	25.2	25.4
Fluoride (F)	mg/L	0.10/0.020	-	0.059	<0.10
Nitrate (as N)	mg/L	0.020	-	12.6	12.7
Total Kjeldahl Nitrogen	mg/L	0.050	-	1.24	1.55
Phosphorus, Total	mg/L	0.0030	-	<0.0030	0.005
Sulfate (SO4)	mg/L	0.30	-	434	448
Dissolved Organic Carbon	mg/L	0.50	-	3.23	2.4
Total Organic Carbon	mg/L	0.50	-	3.05	2.47
Aluminum (Al)-Total	mg/L	0.0050	-	0.0360	0.0257
Antimony (Sb)-Total	mg/L	0.00010	-	<0.00010	<0.00010
Arsenic (As)-Total	mg/L	0.00010	0.50	0.00017	0.00033
Barium (Ba)-Total	mg/L	0.00010	-	0.0120	0.0115
Beryllium (Be)-Total	mg/L	0.00010	-	<0.00010	<0.00010
Bismuth (Bi)-Total	mg/L	0.000050	-	<0.000050	<0.000050
Boron (B)-Total	mg/L	0.010	-	0.050	0.050
Cadmium (Cd)-Total	mg/L	0.0000050	-	0.0000120	0.0000072
Calcium (Ca)-Total	mg/L	0.050	-	46.6	50.0
Cesium (Cs)-Total	mg/L	0.000010	-	0.000030	0.000027
Chromium (Cr)-Total	mg/L	0.00050	-	<0.00050	<0.00010
Cobalt (Co)-Total	mg/L	0.00010	-	0.00198	0.00185
Copper (Cu)-Total	mg/L	0.00050	0.30	0.00510	<0.00050
Iron (Fe)-Total	mg/L	0.010	-	0.078	0.040
Lead (Pb)-Total	mg/L	0.000050	0.20	0.000471	<0.000050
Lithium (Li)-Total	mg/L	0.0010	-	0.0214	0.0238
Magnesium (Mg)-Total	mg/L	0.0050	-	98.0	92.7
Manganese (Mn)-Total	mg/L	0.00050	-	1.04	0.987
Mercury (Hg)-Total	mg/L	0.0000050	-	<0.0000050	<0.0000050
Molybdenum (Mo)-Total	mg/L	0.000050	-	0.00193	0.00258
Nickel (Ni)-Total	mg/L	0.00050	0.50	0.00463	0.00397
Phosphorus (P)-Total	mg/L	0.050	-	<0.050	<0.050
Potassium (K)-Total	mg/L	0.050	-	9.25	10.1
Rubidium (Rb)-Total	mg/L	0.00020	-	0.0120	0.0127
Selenium (Se)-Total	mg/L	0.000050	-	0.00186	0.00172
Silicon (Si)-Total	mg/L	0.10	-	0.40	0.34
Silver (Ag)-Total	mg/L	0.000050	-	<0.000050	<0.000010
Sodium (Na)-Total	mg/L	0.050	-	10.2	10.3
Strontium (Sr)-Total	mg/L	0.0010	-	0.102	0.104
Sulfur (S)-Total	mg/L	0.50	-	169	160
Tellurium (Te)-Total	mg/L	0.00020	-	<0.00020	<0.00020
Thallium (Tl)-Total	mg/L	0.000010	-	0.000064	0.000060
Thorium (Th)-Total	mg/L	0.00010	-	<0.00010	<0.00010
Tin (Sn)-Total	mg/L	0.00010	-	<0.00010	<0.00010
Titanium (Ti)-Total	mg/L	0.0020	-	<0.0020	0.00069
Tungsten (W)-Total	mg/L	0.00010	-	<0.00010	<0.00010
Uranium (U)-Total	mg/L	0.000010	-	0.00167	0.00159
Vanadium (V)-Total	mg/L	0.00050	-	<0.00050	<0.00050
Zinc (Zn)-Total	mg/L	0.0030	0.50	0.0512	0.0052
Zirconium (Zr)-Total	mg/L	0.00020	-	<0.00020	<0.00020
Aluminum (Al)-Dissolved	mg/L	0.0050	-	0.0154	0.0065
Antimony (Sb)-Dissolved	mg/L	0.00010	-	<0.00010	<0.00010
Arsenic (As)-Dissolved	mg/L	0.00010	-	0.00016	0.00020
Barium (Ba)-Dissolved	mg/L	0.00010	-	0.0117	0.0109
Beryllium (Be)-Dissolved	mg/L	0.00010	-	<0.00010	<0.00010
Bismuth (Bi)-Dissolved	mg/L	0.000050	-	<0.000050	<0.000050
Boron (B)-Dissolved	mg/L	0.010	-	0.052	0.048
Cadmium (Cd)-Dissolved	mg/L	0.0000050	-	0.0000151	0.0000064
Calcium (Ca)-Dissolved	mg/L	0.050	-	49.2	49.2
Cesium (Cs)-Dissolved	mg/L	0.000010	-	0.000028	0.000024
Chromium (Cr)-Dissolved	mg/L	0.00050	-	<0.00050	<0.00010
Cobalt (Co)-Dissolved	mg/L	0.00010	-	0.00173	0.00133
Copper (Cu)-Dissolved	mg/L	0.00020	-	0.00414	0.00037
Iron (Fe)-Dissolved	mg/L	0.010	-	0.027	<0.010
Lead (Pb)-Dissolved	mg/L	0.000050	-	0.000391	<0.000050
Lithium (Li)-Dissolved	mg/L	0.0010	-	0.0249	0.0242
Magnesium (Mg)-Dissolved	mg/L	0.0050	-	97.2	90.1
Manganese (Mn)-Dissolved	mg/L	0.00050	-	1.00	0.888
Mercury (Hg)-Dissolved	mg/L	0.0000050	-	<0.0000050	<0.0000050
Molybdenum (Mo)-Dissolved	mg/L	0.000050	-	0.00196	0.00199

Table 2.14: Water Quality Results for Water Licence Monitoring Location - MS-06

Analyte	Sample ID			MS-06	MS-06
	ALS Laboratory Sample ID			L2634291-1	L2638230-1
	Sample Date & Time			2021-09-01 11:25	2021-09-10 10:55
	QA/QC Sample Type			N/A	N/A
	Units	LOR	Criteria ¹		
Nickel (Ni)-Dissolved	mg/L	0.00050	-	0.00434	0.00376
Phosphorus (P)-Dissolved	mg/L	0.050	-	<0.050	<0.050
Potassium (K)-Dissolved	mg/L	0.050	-	9.70	9.62
Rubidium (Rb)-Dissolved	mg/L	0.00020	-	0.0124	0.0124
Selenium (Se)-Dissolved	mg/L	0.000050	-	0.00180	0.00164
Silicon (Si)-Dissolved	mg/L	0.050	-	0.367	0.266
Silver (Ag)-Dissolved	mg/L	0.000050	-	<0.000050	<0.000010
Sodium (Na)-Dissolved	mg/L	0.050	-	10.2	10.1
Strontium (Sr)-Dissolved	mg/L	0.0010	-	0.101	0.100
Sulfur (S)-Dissolved	mg/L	0.50	-	167	153
Tellurium (Te)-Dissolved	mg/L	0.00020	-	<0.00020	<0.00020
Thallium (Tl)-Dissolved	mg/L	0.000010	-	0.000064	0.000058
Thorium (Th)-Dissolved	mg/L	0.00010	-	<0.00010	<0.00010
Tin (Sn)-Dissolved	mg/L	0.00010	-	<0.00010	<0.00010
Titanium (Ti)-Dissolved	mg/L	0.00030	-	0.00033	<0.00030
Tungsten (W)-Dissolved	mg/L	0.00010	-	<0.00010	<0.00010
Uranium (U)-Dissolved	mg/L	0.000010	-	0.00168	0.00157
Vanadium (V)-Dissolved	mg/L	0.00050	-	<0.00050	<0.00050
Zinc (Zn)-Dissolved	mg/L	0.0010	-	0.129	0.0043
Zirconium (Zr)-Dissolved	mg/L	0.00020	-	<0.00020	<0.00020
Oil and Grease, Total	mg/L	-	-	-	-
	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen
Acute Toxicity	-	-	Not Acutely Toxic	Not Acutely Toxic	-

Notes:

Bold highlight indicate results that exceeded the applicable water quality criteria.

¹Type A Water Licence (2AM-MRY1325 - Amend. 1) - Table 10: Effluent Quality Discharge Limits for Open Pit, Stockpiles and Sedimentation Ponds

Table 2.15: Water Quality Results for Water Licence Monitoring Location - MS-MRY-09

Analyte	Sample ID			MS-MRY-09	MS-MRY-09	MS-MRY-09	MS-MRY-09	MS-MRY-09	MS-MRY-09
	ALS Laboratory Sample ID			L2635818-1	L2635847-1	L2639307-1	L2639307-2	L2642214-1	L2644501-1
	Sample Date & Time			2021-09-04 15:25	2021-09-06 11:45	2021-09-13 9:50	2021-09-13 9:50	2021-09-20 8:05	2021-09-27 7:40
	QA/QC Sample Type			N/A	N/A	N/A	Field Duplicate	N/A	N/A
	Units	LOR	Criteria ¹						
Hardness (as CaCO3)	mg/L	0.50	-	85.4	-	-	-	-	-
pH	pH units	0.10	6.0 - 9.5	8.09	7.99	7.90	7.89	7.88	7.99
Total Suspended Solids	mg/L	2.0	15	<2.0	2.5	<2.0	<2.0	<2.0	4.0
Total Dissolved Solids	mg/L	10	-	75	94	53	25	131	214
Turbidity	NTU	0.10	-	0.25	0.60	0.27	0.26	0.11	0.22
Alkalinity, Total (as CaCO3)	mg/L	1.0	-	86.6	-	-	-	-	-
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-	-	-	-	-
Chloride (Cl)	mg/L	0.50	-	1.62	-	-	-	-	-
Fluoride (F)	mg/L	0.020	-	<0.020	-	-	-	-	-
Nitrate (as N)	mg/L	0.020	-	0.057	-	-	-	-	-
Total Kjeldahl Nitrogen	mg/L	0.050	-	0.116	-	-	-	-	-
Phosphorus, Total	mg/L	0.0030	-	<0.0030	-	-	-	-	-
Sulfate (SO4)	mg/L	0.30	-	4.06	-	-	-	-	-
Dissolved Organic Carbon	mg/L	0.50	-	2.90	-	-	-	-	-
Total Organic Carbon	mg/L	0.50	-	2.48	-	-	-	-	-
Aluminum (Al)-Total	mg/L	0.0050	-	0.0378	-	-	-	-	-
Antimony (Sb)-Total	mg/L	0.00010	-	<0.00010	-	-	-	-	-
Arsenic (As)-Total	mg/L	0.00010	0.50	<0.00010	-	-	-	-	-
Barium (Ba)-Total	mg/L	0.00010	-	0.00993	-	-	-	-	-
Beryllium (Be)-Total	mg/L	0.00010	-	<0.00010	-	-	-	-	-
Bismuth (Bi)-Total	mg/L	0.000050	-	<0.000050	-	-	-	-	-
Boron (B)-Total	mg/L	0.010	-	<0.010	-	-	-	-	-
Cadmium (Cd)-Total	mg/L	0.0000050	-	0.0000056	-	-	-	-	-
Calcium (Ca)-Total	mg/L	0.050	-	15.3	-	-	-	-	-
Cesium (Cs)-Total	mg/L	0.000010	-	0.000016	-	-	-	-	-
Chromium (Cr)-Total	mg/L	0.00050	-	<0.00050	-	-	-	-	-
Cobalt (Co)-Total	mg/L	0.00010	-	<0.00010	-	-	-	-	-
Copper (Cu)-Total	mg/L	0.00050	0.30	0.00224	-	-	-	-	-
Iron (Fe)-Total	mg/L	0.010	-	0.049	-	-	-	-	-
Lead (Pb)-Total	mg/L	0.000050	0.20	0.000053	-	-	-	-	-
Lithium (Li)-Total	mg/L	0.0010	-	<0.0010	-	-	-	-	-
Magnesium (Mg)-Total	mg/L	0.0050	-	10.1	-	-	-	-	-
Manganese (Mn)-Total	mg/L	0.00050	-	0.00	-	-	-	-	-
Mercury (Hg)-Total	mg/L	0.0000050	-	<0.0000050	-	-	-	-	-
Molybdenum (Mo)-Total	mg/L	0.000050	-	0.00118	-	-	-	-	-
Nickel (Ni)-Total	mg/L	0.00050	0.50	0.00052	-	-	-	-	-
Phosphorus (P)-Total	mg/L	0.050	-	<0.050	-	-	-	-	-
Potassium (K)-Total	mg/L	0.050	-	2.14	-	-	-	-	-
Rubidium (Rb)-Total	mg/L	0.00020	-	0.00563	-	-	-	-	-
Selenium (Se)-Total	mg/L	0.000050	-	0.000076	-	-	-	-	-
Silicon (Si)-Total	mg/L	0.10	-	0.93	-	-	-	-	-
Silver (Ag)-Total	mg/L	0.000050	-	<0.000050	-	-	-	-	-
Sodium (Na)-Total	mg/L	0.050	-	0.763	-	-	-	-	-
Strontium (Sr)-Total	mg/L	0.0010	-	0.0122	-	-	-	-	-
Sulfur (S)-Total	mg/L	0.50	-	1.37	-	-	-	-	-
Tellurium (Te)-Total	mg/L	0.00020	-	<0.00020	-	-	-	-	-

Table 2.15: Water Quality Results for Water Licence Monitoring Location - MS-MRY-09

Analyte	Sample ID			MS-MRY-09	MS-MRY-09	MS-MRY-09	MS-MRY-09	MS-MRY-09	MS-MRY-09
	ALS Laboratory Sample ID			L2635818-1	L2635847-1	L2639307-1	L2639307-2	L2642214-1	L2644501-1
	Sample Date & Time			2021-09-04 15:25	2021-09-06 11:45	2021-09-13 9:50	2021-09-13 9:50	2021-09-20 8:05	2021-09-27 7:40
	QA/QC Sample Type			N/A	N/A	N/A	Field Duplicate	N/A	N/A
	Units	LOR	Criteria ¹						
Thallium (Tl)-Total	mg/L	0.000010	-	0.000014	-	-	-	-	-
Thorium (Th)-Total	mg/L	0.00010	-	<0.00010	-	-	-	-	-
Tin (Sn)-Total	mg/L	0.00010	-	<0.00010	-	-	-	-	-
Titanium (Ti)-Total	mg/L	0.00030	-	0.00251	-	-	-	-	-
Tungsten (W)-Total	mg/L	0.00010	-	<0.00010	-	-	-	-	-
Uranium (U)-Total	mg/L	0.000010	-	0.0071	-	-	-	-	-
Vanadium (V)-Total	mg/L	0.00050	-	0.00063	-	-	-	-	-
Zinc (Zn)-Total	mg/L	0.0030	0.50	<0.0030	-	-	-	-	-
Zirconium (Zr)-Total	mg/L	0.00020	-	<0.00020	-	-	-	-	-
Aluminum (Al)-Dissolved	mg/L	0.0050		0.0067	-	-	-	-	-
Antimony (Sb)-Dissolved	mg/L	0.00010		<0.00010	-	-	-	-	-
Arsenic (As)-Dissolved	mg/L	0.00010		<0.00010	-	-	-	-	-
Barium (Ba)-Dissolved	mg/L	0.00010		0.0117	-	-	-	-	-
Beryllium (Be)-Dissolved	mg/L	0.00010		<0.00010	-	-	-	-	-
Bismuth (Bi)-Dissolved	mg/L	0.000050		<0.000050	-	-	-	-	-
Boron (B)-Dissolved	mg/L	0.010		<0.010	-	-	-	-	-
Cadmium (Cd)-Dissolved	mg/L	0.0000050		<0.0000050	-	-	-	-	-
Calcium (Ca)-Dissolved	mg/L	0.050		16.7	-	-	-	-	-
Cesium (Cs)-Dissolved	mg/L	0.000010		0.000012	-	-	-	-	-
Chromium (Cr)-Dissolved	mg/L	0.00050		<0.00050	-	-	-	-	-
Cobalt (Co)-Dissolved	mg/L	0.00010		<0.00010	-	-	-	-	-
Copper (Cu)-Dissolved	mg/L	0.00020		0.00205	-	-	-	-	-
Iron (Fe)-Dissolved	mg/L	0.010		<0.010	-	-	-	-	-
Lead (Pb)-Dissolved	mg/L	0.000050		<0.000050	-	-	-	-	-
Lithium (Li)-Dissolved	mg/L	0.0010		<0.0010	-	-	-	-	-
Magnesium (Mg)-Dissolved	mg/L	0.0050		10.6	-	-	-	-	-
Manganese (Mn)-Dissolved	mg/L	0.00050		<0.00050	-	-	-	-	-
Mercury (Hg)-Dissolved	mg/L	0.0000050		<0.0000050	-	-	-	-	-
Molybdenum (Mo)-Dissolved	mg/L	0.000050		0.0012	-	-	-	-	-
Nickel (Ni)-Dissolved	mg/L	0.00050		<0.00050	-	-	-	-	-
Phosphorus (P)-Dissolved	mg/L	0.050		<0.050	-	-	-	-	-
Potassium (K)-Dissolved	mg/L	0.050		2.26	-	-	-	-	-
Rubidium (Rb)-Dissolved	mg/L	0.00020		0.00596	-	-	-	-	-
Selenium (Se)-Dissolved	mg/L	0.000050		0.0001	-	-	-	-	-
Silicon (Si)-Dissolved	mg/L	0.050		0.938	-	-	-	-	-
Silver (Ag)-Dissolved	mg/L	0.000050		<0.000050	-	-	-	-	-
Sodium (Na)-Dissolved	mg/L	0.050		0.786	-	-	-	-	-
Strontium (Sr)-Dissolved	mg/L	0.0010		0.0128	-	-	-	-	-
Sulfur (S)-Dissolved	mg/L	0.50		1.72	-	-	-	-	-
Tellurium (Te)-Dissolved	mg/L	0.00020		<0.00020	-	-	-	-	-
Thallium (Tl)-Dissolved	mg/L	0.000010		0.000012	-	-	-	-	-
Thorium (Th)-Dissolved	mg/L	0.00010		<0.00010	-	-	-	-	-
Tin (Sn)-Dissolved	mg/L	0.00010		<0.00010	-	-	-	-	-
Titanium (Ti)-Dissolved	mg/L	0.00030		<0.00030	-	-	-	-	-
Tungsten (W)-Dissolved	mg/L	0.00010		<0.00010	-	-	-	-	-
Uranium (U)-Dissolved	mg/L	0.000010		0.00739	-	-	-	-	-

Table 2.15: Water Quality Results for Water Licence Monitoring Location - MS-MRY-09

Analyte	Sample ID			MS-MRY-09	MS-MRY-09	MS-MRY-09	MS-MRY-09	MS-MRY-09	MS-MRY-09
	ALS Laboratory Sample ID			L2635818-1	L2635847-1	L2639307-1	L2639307-2	L2642214-1	L2644501-1
	Sample Date & Time			2021-09-04 15:25	2021-09-06 11:45	2021-09-13 9:50	2021-09-13 9:50	2021-09-20 8:05	2021-09-27 7:40
	QA/QC Sample Type			N/A	N/A	N/A	Field Duplicate	N/A	N/A
	Units	LOR	Criteria ¹						
Vanadium (V)-Dissolved	mg/L	0.00050		0.00051	-	-	-	-	-
Zinc (Zn)-Dissolved	mg/L	0.0010		<0.0010	-	-	-	-	-
Zirconium (Zr)-Dissolved	mg/L	0.00020		<0.00020	-	-	-	-	-
Oil and Grease, Total	mg/L	-	-	-	-	-	-	-	-
	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen
Acute Toxicity	-	-	Not Acutely Toxic	-	-	-	-	-	-

Notes:

Bold highlight indicate results that exceeded the applicable water quality criteria.

¹Type A Water Licence (2AM-MRY1325 - Amend. 1) - Table 10: Effluent Quality Discharge Limits for Open Pit, Stockpiles, and Sedimentation Ponds

Table 2.16: Water Quality Results for Water Licence Monitoring Location - MS-MRY-10

Analyte	Sample ID			MS-MRY-10	MS-MRY-10
	ALS Laboratory Sample ID			L2635757-1	L2637080-1
	Sample Date & Time			2021-09-03 11:40	2021-09-08 13:25
	QA/QC Sample Type			N/A	N/A
	Units	LOR	Criteria ¹		
Hardness (as CaCO3)	mg/L	0.50	-	143	-
pH	pH units	0.10	6.0 - 9.5	8.25	7.99
Total Suspended Solids	mg/L	2.0	15	2.5	2.6
Total Dissolved Solids	mg/L	10	-	144	222
Turbidity	NTU	0.10	-	0.10	0.41
Alkalinity, Total (as CaCO3)	mg/L	1.0	-	130	-
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-
Chloride (Cl)	mg/L	0.50	-	10.3	-
Fluoride (F)	mg/L	0.020	-	0.025	-
Nitrate (as N)	mg/L	0.020	-	0.026	-
Total Kjeldahl Nitrogen	mg/L	0.050	-	0.117	-
Phosphorus, Total	mg/L	0.0030	-	<0.0030	-
Sulfate (SO4)	mg/L	0.30	-	9.88	-
Dissolved Organic Carbon	mg/L	0.50	-	2.76	-
Total Organic Carbon	mg/L	0.50	-	1.91	-
Aluminum (Al)-Total	mg/L	0.0050	-	0.0231	-
Antimony (Sb)-Total	mg/L	0.00010	-	<0.00010	-
Arsenic (As)-Total	mg/L	0.00010	0.50	<0.00010	-
Barium (Ba)-Total	mg/L	0.00010	-	0.0138	-
Beryllium (Be)-Total	mg/L	0.00010	-	<0.00010	-
Bismuth (Bi)-Total	mg/L	0.000050	-	<0.000050	-
Boron (B)-Total	mg/L	0.010	-	<0.010	-
Cadmium (Cd)-Total	mg/L	0.0000050	-	<0.0000050	-
Calcium (Ca)-Total	mg/L	0.050	-	25.3	-
Cesium (Cs)-Total	mg/L	0.000010	-	<0.000010	-
Chromium (Cr)-Total	mg/L	0.00050	-	<0.00050	-
Cobalt (Co)-Total	mg/L	0.00010	-	<0.00010	-
Copper (Cu)-Total	mg/L	0.00050	0.30	0.00103	-
Iron (Fe)-Total	mg/L	0.010	-	0.030	-
Lead (Pb)-Total	mg/L	0.000050	0.20	<0.000050	-
Lithium (Li)-Total	mg/L	0.0010	-	0.0011	-
Magnesium (Mg)-Total	mg/L	0.0050	-	16.9	-
Manganese (Mn)-Total	mg/L	0.00050	-	0.00076	-
Mercury (Hg)-Total	mg/L	0.0000050	-	<0.0000050	-
Molybdenum (Mo)-Total	mg/L	0.000050	-	0.000272	-
Nickel (Ni)-Total	mg/L	0.00050	0.50	<0.00050	-
Phosphorus (P)-Total	mg/L	0.050	-	<0.050	-
Potassium (K)-Total	mg/L	0.050	-	1.37	-
Rubidium (Rb)-Total	mg/L	0.00020	-	0.00117	-
Selenium (Se)-Total	mg/L	0.000050	-	<0.000050	-
Silicon (Si)-Total	mg/L	0.10	-	1.37	-
Silver (Ag)-Total	mg/L	0.000050	-	<0.000050	-
Sodium (Na)-Total	mg/L	0.050	-	2.50	-
Strontium (Sr)-Total	mg/L	0.0010	-	0.0155	-
Sulfur (S)-Total	mg/L	0.50	-	3.32	-
Tellurium (Te)-Total	mg/L	0.00020	-	<0.00020	-
Thallium (Tl)-Total	mg/L	0.000010	-	<0.000010	-
Thorium (Th)-Total	mg/L	0.00010	-	<0.00010	-
Tin (Sn)-Total	mg/L	0.00010	-	<0.00010	-
Titanium (Ti)-Total	mg/L	0.00030	-	0.00154	-
Tungsten (W)-Total	mg/L	0.00010	-	<0.00010	-
Uranium (U)-Total	mg/L	0.000010	-	0.00172	-
Vanadium (V)-Total	mg/L	0.00050	-	<0.00050	-
Zinc (Zn)-Total	mg/L	0.0030	0.50	<0.0030	-
Zirconium (Zr)-Total	mg/L	0.00020	-	<0.00020	-
Aluminum (Al)-Dissolved	mg/L	0.0050	-	<0.0050	-
Antimony (Sb)-Dissolved	mg/L	0.00010	-	<0.00010	-
Arsenic (As)-Dissolved	mg/L	0.00010	-	<0.00010	-
Barium (Ba)-Dissolved	mg/L	0.00010	-	0.0149	-
Beryllium (Be)-Dissolved	mg/L	0.00010	-	<0.00010	-
Bismuth (Bi)-Dissolved	mg/L	0.000050	-	<0.000050	-
Boron (B)-Dissolved	mg/L	0.010	-	<0.010	-
Cadmium (Cd)-Dissolved	mg/L	0.0000050	-	<0.0000050	-
Calcium (Ca)-Dissolved	mg/L	0.050	-	28.1	-
Cesium (Cs)-Dissolved	mg/L	0.000010	-	<0.000010	-
Chromium (Cr)-Dissolved	mg/L	0.00050	-	<0.00050	-
Cobalt (Co)-Dissolved	mg/L	0.00010	-	<0.00010	-
Copper (Cu)-Dissolved	mg/L	0.00020	-	0.00098	-
Iron (Fe)-Dissolved	mg/L	0.010	-	<0.010	-
Lead (Pb)-Dissolved	mg/L	0.000050	-	<0.000050	-
Lithium (Li)-Dissolved	mg/L	0.0010	-	0.0014	-
Magnesium (Mg)-Dissolved	mg/L	0.0050	-	17.7	-
Manganese (Mn)-Dissolved	mg/L	0.00050	-	<0.00050	-

Table 2.16: Water Quality Results for Water Licence Monitoring Location - MS-MRY-10

Analyte	Sample ID			MS-MRY-10	MS-MRY-10
	ALS Laboratory Sample ID			L2635757-1	L2637080-1
	Sample Date & Time			2021-09-03 11:40	2021-09-08 13:25
	QA/QC Sample Type			N/A	N/A
	Units	LOR	Criteria ¹		
Mercury (Hg)-Dissolved	mg/L	0.0000050	-	<0.0000050	-
Molybdenum (Mo)-Dissolved	mg/L	0.000050	-	0.000306	-
Nickel (Ni)-Dissolved	mg/L	0.00050	-	<0.00050	-
Phosphorus (P)-Dissolved	mg/L	0.050	-	<0.050	-
Potassium (K)-Dissolved	mg/L	0.050	-	1.46	-
Rubidium (Rb)-Dissolved	mg/L	0.00020	-	0.00124	-
Selenium (Se)-Dissolved	mg/L	0.000050	-	<0.000050	-
Silicon (Si)-Dissolved	mg/L	0.050	-	1.47	-
Silver (Ag)-Dissolved	mg/L	0.000050	-	<0.000050	-
Sodium (Na)-Dissolved	mg/L	0.050	-	2.63	-
Strontium (Sr)-Dissolved	mg/L	0.0010	-	0.0170	-
Sulfur (S)-Dissolved	mg/L	0.50	-	3.85	-
Tellurium (Te)-Dissolved	mg/L	0.00020	-	<0.00020	-
Thallium (Tl)-Dissolved	mg/L	0.000010	-	<0.000010	-
Thorium (Th)-Dissolved	mg/L	0.00010	-	<0.00010	-
Tin (Sn)-Dissolved	mg/L	0.00010	-	<0.00010	-
Titanium (Ti)-Dissolved	mg/L	0.00030	-	<0.00030	-
Tungsten (W)-Dissolved	mg/L	0.00010	-	<0.00010	-
Uranium (U)-Dissolved	mg/L	0.000010	-	0.00184	-
Vanadium (V)-Dissolved	mg/L	0.00050	-	<0.00050	-
Zinc (Zn)-Dissolved	mg/L	0.0010	-	<0.0010	-
Zirconium (Zr)-Dissolved	mg/L	0.00020	-	<0.00020	-
Oil and Grease, Total	mg/L	-	-	-	-
	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen
Acute Toxicity	-	-	Not Acutely Toxic	-	-

Notes:
Bold highlight indicate results that exceeded the applicable water quality criteria.
¹Type A Water Licence (2AM-MRY1325 - Amend. 1) - Table 10: Effluent Quality Discharge Limits for Open Pit, Stockpiles, and Sedimentation Ponds

Table 2.17: Water Quality Results for Water Licence Monitoring Location - MS-MRY-13B

Analyte	Sample ID			MS-MRY-13B	MS-MRY-13B	MS-MRY-13B	MS-MRY-13B
	ALS Laboratory Sample ID			L2635278-9	L2636426-5	L2636426-6	L2639307-9
	Sample Date & Time			2021-09-02 10:30	2021-09-07 12:30	2021-09-07 12:30	2021-09-13 14:10
	QA/QC Sample Type			N/A	N/A	Field Duplicate	N/A
	Units	LOR	Criteria ¹				
Conductivity	umhos/cm	1.0	-	1,380	-	-	-
pH	pH units	0.10	6.0 - 9.5	7.93	7.55	7.57	7.30
Total Suspended Solids	mg/L	2.0	15	<2.0	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	991	1,100	1,030	1,240
Turbidity	NTU	0.10	-	0.24	0.11	0.12	0.41
Alkalinity, Total (as CaCO3)	mg/L	1.0	-	189	-	-	-
Dissolved Organic Carbon	mg/L	0.50	-	8.75	-	-	-
Total Organic Carbon	mg/L	0.50	-	7.85	-	-	-
Aluminum (Al)-Total	mg/L	0.050	-	<0.050	-	-	-
Antimony (Sb)-Total	mg/L	0.0010	-	<0.0010	-	-	-
Arsenic (As)-Total	mg/L	0.0010	0.50	<0.0010	-	-	-
Barium (Ba)-Total	mg/L	0.0010	-	0.0818	-	-	-
Beryllium (Be)-Total	mg/L	0.0010	-	<0.0010	-	-	-
Bismuth (Bi)-Total	mg/L	0.00050	-	<0.00050	-	-	-
Boron (B)-Total	mg/L	0.10	-	4.92	-	-	-
Cadmium (Cd)-Total	mg/L	0.000050	-	<0.000050	-	-	-
Calcium (Ca)-Total	mg/L	0.50	-	165	-	-	-
Chromium (Cr)-Total	mg/L	0.0050	-	<0.0050	-	-	-
Cobalt (Co)-Total	mg/L	0.0010	-	<0.0010	-	-	-
Copper (Cu)-Total	mg/L	0.0050	0.30	<0.0050	-	-	-
Iron (Fe)-Total	mg/L	0.10	-	<0.10	-	-	-
Lead (Pb)-Total	mg/L	0.00050	0.20	<0.00050	-	-	-
Lithium (Li)-Total	mg/L	0.010	-	0.059	-	-	-
Magnesium (Mg)-Total	mg/L	0.050	-	71.2	-	-	-
Manganese (Mn)-Total	mg/L	0.0050	-	<0.0050	-	-	-
Mercury (Hg)-Total	mg/L	0.0000050	-	<0.0000050	-	-	-
Molybdenum (Mo)-Total	mg/L	0.00050	-	0.00059	-	-	-
Nickel (Ni)-Total	mg/L	0.0050	0.50	0.0189	-	-	-
Potassium (K)-Total	mg/L	0.50	-	6.90	-	-	-
Selenium (Se)-Total	mg/L	0.00050	-	<0.00050	-	-	-
Silicon (Si)-Total	mg/L	1.0	-	4.2	-	-	-
Silver (Ag)-Total	mg/L	0.00050	-	<0.00050	-	-	-
Sodium (Na)-Total	mg/L	0.50	-	35.3	-	-	-
Strontium (Sr)-Total	mg/L	0.010	-	0.232	-	-	-
Thallium (Tl)-Total	mg/L	0.00010	-	<0.00010	-	-	-
Tin (Sn)-Total	mg/L	0.0010	-	<0.0010	-	-	-
Titanium (Ti)-Total	mg/L	0.0030	-	<0.0030	-	-	-
Tungsten (W)-Total	mg/L	0.0010	-	<0.0010	-	-	-
Uranium (U)-Total	mg/L	0.00010	-	0.0165	-	-	-
Vanadium (V)-Total	mg/L	0.0050	-	<0.0050	-	-	-
Zinc (Zn)-Total	mg/L	0.030	0.50	<0.030	-	-	-
Zirconium (Zr)-Total	mg/L	0.0020	-	<0.0020	-	-	-
Oil and Grease, Total	mg/L	5.0	-	<5.0	-	-	-
	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen
Phenols (4AAP)	mg/L	0.0010	-	<0.0010	-	-	-
F1 (C6-C10)	mg/L	0.025	-	<0.025	-	-	-
F2 (C10-C16)	mg/L	0.100	-	<0.100	-	-	-
F3 (C16-C34)	mg/L	0.250	-	<0.250	-	-	-
F4 (C34-C50)	mg/L	0.250	-	<0.250	-	-	-
Total Hydrocarbons (C6-C50)	mg/L	0.370	-	<0.370	-	-	-

Notes:
 Bold highlight indicate results that exceeded the applicable water quality criteria.
¹Type A Water Licence (2AM-MRY1325 - Amend. 1) - Table 7: Effluent Quality Discharge Limits for the Landfill Facilities

Table 2.18: Water Quality Results for Water Licence Monitoring Location - MS-C-A

Analyte	Sample ID			MS-C-A	MS-C-A	MS-C-A	MS-C-A	MS-C-A
	ALS Laboratory Sample ID			L2635278-2	L2636426-1	L2639307-12	L2642214-4	L2644501-3
	Sample Date & Time			2021-09-02 9:00	2021-09-07 10:30	2021-09-13 16:00	2021-09-20 15:30	2021-09-27 14:30
	QA/QC Sample Type			N/A	N/A	N/A	N/A	N/A
	Units	LOR	Criteria ¹					
Conductivity	umhos/cm	1.0	-	238	-	-	-	-
pH	pH units	0.10	6.0 - 9.5	7.95	7.87	7.85	7.76	7.63
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	3.7	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	127	123	98	154	193
Turbidity	NTU	0.10	-	3.00	2.44	2.11	1.04	0.80
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-	-	-	-
Nitrate (as N)	mg/L	0.020	-	0.289	-	-	-	-
Oil and Grease, Total	mg/L	5.0	-	<5.0	-	-	-	-
	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen

Notes:
Bold highlight indicate results that exceeded the applicable water quality criteria.
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 2.19: Water Quality Results for Water Licence Monitoring Location - MS-C-B

Analyte	Sample ID			MS-C-B	MS-C-B	MS-C-B
	ALS Laboratory Sample ID			L2635278-7	L2636426-2	L2639307-13
	Sample Date & Time			2021-09-02 9:40	2021-09-07 10:55	2021-09-13 16:15
	QA/QC Sample Type			N/A	N/A	N/A
	Units	LOR	Criteria ¹			
Conductivity	umhos/cm	1.0	-	252	-	-
pH	pH units	0.10	6.0 - 9.5	7.84	7.83	7.72
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	2.1	<2.0
Total Dissolved Solids	mg/L	10	-	148	133	64
Turbidity	NTU	0.10	-	2.95	2.23	1.76
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-	-
Nitrate (as N)	mg/L	0.020	-	0.336	-	-
Oil and Grease, Total	mg/L	5.0	-	<5.0	-	-
	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen

Notes:

Bold highlight indicate results that exceeded the applicable water quality criteria.

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 2.20: Water Quality Results for Water Licence Monitoring Location - MS-C-C

Analyte	Sample ID			MS-C-C	MS-C-C
	ALS Laboratory Sample ID			L2635278-6	L2636426-10
	Sample Date & Time			2021-09-02 9:30	2021-09-07 13:40
	QA/QC Sample Type			N/A	N/A
	Units	LOR	Criteria ¹		
Conductivity	umhos/cm	1.0	-	937	-
pH	pH units	0.10	6.0 - 9.5	8.02	7.85
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	4.2	4.6
Total Dissolved Solids	mg/L	10	-	640	658
Turbidity	NTU	0.10	-	8.31	0.76
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-
Nitrate (as N)	mg/L	0.020	-	7.51	-
Oil and Grease, Total	mg/L	5.0	-	<5.0	-
	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen

Notes:

Bold highlight indicate results that exceeded the applicable water quality criteria.

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 2.21: Water Quality Results for Water Licence Monitoring Location - MS-C-D

Analyte	Sample ID			MS-C-D	MS-C-D	MS-C-D
	ALS Laboratory Sample ID			L2635278-5	L2636426-8	L2639307-8
	Sample Date & Time			2021-09-02 9:15	2021-09-07 13:25	2021-09-13 13:00
	QA/QC Sample Type			N/A	N/A	N/A
	Units	LOR	Criteria ¹			
Conductivity	umhos/cm	1.0	-	869	-	-
pH	pH units	0.10	6.0 - 9.5	8.30	8.24	8.13
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	2.5	4.1	3.0
Total Dissolved Solids	mg/L	10	-	565	599	563
Turbidity	NTU	0.10	-	7.11	13.8	10.1
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-	-
Nitrate (as N)	mg/L	0.020	-	6.32	-	-
Oil and Grease, Total	mg/L	5.0	-	<5.0	-	-
	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen

Notes:

Bold highlight indicate results that exceeded the applicable water quality criteria.

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 2.22: Water Quality Results for Water Licence Monitoring Location - MS-C-E

Analyte	Sample ID			MS-C-E	MS-C-E	MS-C-E	MS-C-E	MS-C-E
	ALS Laboratory Sample ID			L2635278-3	L2635278-3	L2636426-7	L2639307-6	L2639307-7
	Sample Date & Time			2021-09-02 9:00	2021-09-02 9:00	2021-09-07 13:20	2021-09-13 12:50	2021-09-13 12:50
	QA/QC Sample Type			N/A	Field Duplicate	N/A	N/A	Travel Blank
	Units	LOR	Criteria ¹					
Conductivity	umhos/cm	1.0	-	980	973	-	-	-
pH	pH units	0.10	6.0 - 9.5	7.99	8.01	7.91	7.52	5.91
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	3.3	2.9	3.8	10.2	<2.0
Total Dissolved Solids	mg/L	10	-	661	698	725	685	<10
Turbidity	NTU	0.10	-	5.46	5.30	2.04	2.29	<0.10
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	<0.010	-	-	-
Nitrate (as N)	mg/L	0.020	-	6.73	6.71	-	-	-
Oil and Grease, Total	mg/L	5.0	-	<5.0	<5.0	-	-	-
	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen	-

Notes:
Bold highlight indicate results that exceeded the applicable water quality criteria.
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 2.23: Water Quality Results for Water Licence Monitoring Location - MS-C-F

Analyte	Sample ID			MS-C-F	MS-C-F
	ALS Laboratory Sample ID			L2635278-1	L2636426-9
	Sample Date & Time			2021-09-02 8:25	2021-09-07 13:25
	QA/QC Sample Type			N/A	N/A
	Units	LOR	Criteria ¹		
Conductivity	umhos/cm	1.0	-	252	-
pH	pH units	0.10	6.0 - 9.5	7.95	7.87
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	26.7	7.7
Total Dissolved Solids	mg/L	10	-	153	144
Turbidity	NTU	0.10	-	41.9	14.3
Ammonia, Total (as N)	mg/L	0.010	-	0.015	-
Nitrate (as N)	mg/L	0.020	-	0.357	-
Oil and Grease, Total	mg/L	5.0	-	<5.0	-
	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen

Notes:

Bold highlight indicate results that exceeded the applicable water quality criteria.

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 2.24: Water Quality Results for Water Licence Monitoring Location - MS-C-G

Analyte	Sample ID			MS-C-G	MS-C-G	MS-C-G
	ALS Laboratory Sample ID			L2635278-8	L2636426-3	L2639307-10
	Sample Date & Time			2021-09-02 10:25	2021-09-07 12:05	2021-09-13 14:40
	QA/QC Sample Type			N/A	N/A	N/A
	Units	LOR	Criteria ¹			
Conductivity	umhos/cm	1.0	-	312	-	-
pH	pH units	0.10	6.0 - 9.5	7.63	7.61	7.55
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	187	177	152
Turbidity	NTU	0.10	-	0.10	<0.10	0.11
Ammonia, Total (as N)	mg/L	0.050/0.010	-	1.82	-	-
Nitrate (as N)	mg/L	0.020	-	11.2	-	-
Oil and Grease, Total	mg/L	5.0	-	<5.0	-	-
	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen

Notes:

Bold highlight indicate results that exceeded the applicable water quality criteria.

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

Analyte	Sample ID			MS-C-H	MS-C-H	MS-C-H	MS-C-H
	ALS Laboratory Sample ID			L2635278-10	L2635278-11	L2636426-4	L2639307-11
	Sample Date & Time			2021-09-02 10:55	2021-09-02 10:55	2021-09-07 12:25	2021-09-13 15:10
	QA/QC Sample Type			N/A	Field Duplicate	N/A	N/A
	Units	LOR	Criteria ¹				
Conductivity	umhos/cm	1.0	-	253	253	-	-
pH	pH units	0.10	6.0 - 9.5	8.26	8.28	8.16	8.10
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	210	135	129	90
Turbidity	NTU	0.10	-	3.35	0.33	0.17	0.33
Ammonia, Total (as N)	mg/L	0.010	-	0.013	0.014	-	-
Nitrate (as N)	mg/L	0.020	-	0.138	0.129	-	-
Oil and Grease, Total	mg/L	5.0	-	<5.0	<5.0	-	-
	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen

Notes:

Bold highlight indicate results that exceeded the applicable water quality criteria.

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 2.26: Water Quality Results for Water Licence Monitoring Location - MQ-C-A

Analyte	Sample ID			MQ-C-A	MQ-C-A	MQ-C-A
	ALS Laboratory Sample ID			L2635806-1	L2636426-12	L2639307-3
	Sample Date & Time			2021-09-04 9:25	2021-09-07 14:40	2021-09-13 11:50
	QA/QC Sample Type			N/A	N/A	N/A
	Units	LOR	Criteria ¹			
Conductivity	umhos/cm	1.0	-	358	-	-
pH	pH units	0.10	6.0 - 9.5	8.23	8.12	7.99
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	3.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	190	191	146
Turbidity	NTU	0.10	-	0.27	<0.10	0.21
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-	-
Nitrate (as N)	mg/L	0.020	-	<0.020	-	-
Oil and Grease, Total	mg/L	5.0	-	<5.0	-	-
	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen
Acute Toxicity	-	-	Not Acutely Toxic	Not Acutely Toxic	-	-

Notes:

Bold highlight indicate results that exceeded the applicable water quality criteria.

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

Analyte	Sample ID			MQ-C-B	MQ-C-B	MQ-C-B	MQ-C-B	MQ-C-B
	ALS Laboratory Sample ID			L2635278-12	L2636426-11	L2639307-5	L2642214-3	L2644501-4
	Sample Date & Time			2021-09-02 11:45	2021-09-07 14:35	2021-09-13 12:30	2021-09-20 11:30	2021-09-27 10:00
	QA/QC Sample Type			N/A	N/A	N/A	N/A	N/A
	Units	LOR	Criteria ¹					
Conductivity	umhos/cm	1.0	-	365	-	-	-	475
pH	pH units	0.10	6.0 - 9.5	8.29	8.12	7.86	7.72	7.56
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	<2.0	3.9	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	136	229	284	257	281
Turbidity	NTU	0.10	-	0.33	0.89	8.44	1.46	1.2
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-	-	-	0.020
Nitrate (as N)	mg/L	0.020	-	1.35	-	-	-	0.135
Oil and Grease, Total	mg/L	5.0	-	<5.0	-	-	-	<5.0
	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen
Acute Toxicity	-	-	Not Acutely Toxic	-	-	-	-	-

Notes:
Bold highlight indicate results that exceeded the applicable water quality criteria.
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 2.28: Water Quality Results for Water Licence Monitoring Location - MQ-C-D

Analyte	Sample ID			MQ-C-D	MQ-C-D	MQ-C-D	MQ-C-D	MQ-C-D	MQ-C-D	MQ-C-D
	ALS Laboratory Sample ID			L2635278-13	L2636426-13	L2639307-4	L2642214-2	L2642214-5	L2644501-2	L2644501-5
	Sample Date & Time			2021-09-02 11:50	2021-09-07 14:50	2021-09-13 12:05	2021-09-20 10:40	2021-09-20 10:40	2021-09-27 9:10	2021-09-27 9:10
	QA/QC Sample Type			N/A	N/A	N/A	N/A	Field Blank	N/A	Field Duplicate
	Units	LOR	Criteria ¹							
Conductivity	umhos/cm	1.0	-	348	-	-	-	-	-	-
pH	pH units	0.10	6.0 - 9.5	8.17	7.98	7.92	7.90	5.84	7.78	7.80
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	2.5	5.5	2.9	<2.0	<2.0	2.0	2.0
Total Dissolved Solids	mg/L	10	-	197	199	255	235	26	290	300
Turbidity	NTU	0.10	-	7.12	4.96	4.83	3.64	<0.10	3.18	3.01
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-	-	-	-	-	-
Nitrate (as N)	mg/L	0.020	-	0.970	-	-	-	-	-	-
Oil and Grease, Total	mg/L	5.0	-	<5.0	-	-	-	-	-	-
	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen	-	No Visible Sheen	No Visible Sheen
Acute Toxicity	-	-	Not Acutely Toxic	-	-	-	-	-	-	-

Notes:
Bold highlight indicate results that exceeded the applicable water quality criteria.
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 - September 2021

DATE	Camp Lake Freshwater for Domestic Use - Daily Water MS- MRY-1 (m ³)	Camp Lake Freshwater for Industrial Use - Daily Water MS- MRY-1 (m ³)	Treated Sewage Effluent from MS-01 to Discharge Location #1 (m ³)	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 (m ³)	Sewage Sludge Removed from Mine Site WWTPs to PWSP at Mine Site (m ³)	Sewage Sludge Removed from Lift Stations to PWSP at Mine Site (m ³)	Km 32 Lake Milne Port Camp Daily Water Use for Domestic Purposes MP- MRY-3 (m ³)	Km 32 Lake Milne Port Camp Daily Water Use for Industrial Purposes MP- MRY-3 (m ³)	Treated Sewage Effluent from MP-01 to Milne Inlet (m ³)	Treated Sewage Effluent from MP-01B to Milne Inlet (m ³)	Sewage Sludge Removed from Milne Port WWTPs to Incinerator or Disposal Offsite by Backhaul (m ³)	Sewage Sludge Removed from Lift Stations to PWSP at Milne Port (m ³)	Sludge Removed from Milne Port WTPs to PWSP at Milne Port (m ³)	Water Use for Dust Suppression from Authorized Sources (m ³)
1-Sep-21	111.9	0.0	44.0	94.6	1.5	0.0	0.0	84.9	0.0	25.0	36.8	0.3	0.0	0.0	0.0
2-Sep-21	148.3	6.9	44.0	90.6	1.1	0.0	0.0	82.6	0.0	29.0	32.4	1.6	0.0	0.0	0.0
3-Sep-21	128.8	0.0	31.0	89.7	0.9	0.0	0.0	94.9	0.0	26.0	28.5	0.5	0.0	0.0	0.0
4-Sep-21	133.0	8.6	41.0	102.1	0.6	0.0	0.0	99.4	1.5	25.0	32.5	0.8	0.0	0.0	0.0
5-Sep-21	133.8	8.6	44.0	102.0	1.4	0.0	0.0	92.6	1.5	27.0	31.1	0.5	0.0	0.0	0.0
6-Sep-21	166.1	5.2	42.0	110.6	0.9	0.0	0.0	93.4	0.0	27.0	30.1	0.3	0.0	0.0	0.0
7-Sep-21	160.3	0.0	40.0	135.1	1.7	0.0	0.0	107.4	0.0	27.0	34.5	1.3	0.0	0.0	0.0
8-Sep-21	182.0	0.0	40.0	110.0	1.1	0.0	0.0	96.2	0.0	24.0	36.0	1.0	0.0	0.0	0.0
9-Sep-21	170.1	6.5	41.0	105.3	1.0	0.0	0.0	135.4	0.0	33.0	40.1	1.0	0.0	0.0	0.0
10-Sep-21	115.0	0.0	41.0	115.7	1.4	0.0	0.0	117.7	0.0	33.0	38.6	1.0	0.0	0.0	0.0
11-Sep-21	162.2	7.7	42.0	104.9	0.9	0.0	0.0	67.7	0.0	26.0	39.7	1.2	0.0	0.0	0.0
12-Sep-21	144.3	9.5	43.0	108.8	1.1	0.0	0.0	128.0	0.0	37.0	34.5	1.0	0.0	0.0	0.0
13-Sep-21	168.1	3.4	43.0	114.0	1.0	0.0	0.0	117.5	6.0	33.0	29.5	0.6	2.0	0.0	0.0
14-Sep-21	140.3	4.3	42.0	119.2	1.0	0.0	0.0	137.9	0.0	25.0	35.4	0.3	0.0	0.0	0.0
15-Sep-21	144.2	0.0	37.0	116.8	0.9	0.0	0.0	96.3	0.0	24.0	37.8	1.3	0.0	0.0	0.0
16-Sep-21	159.3	8.6	32.0	106.6	1.7	0.0	0.0	91.5	0.0	31.0	42.2	1.3	0.0	0.0	0.0
17-Sep-21	131.8	6.5	37.0	96.4	1.8	0.0	0.0	100.6	0.0	30.0	41.1	0.4	0.0	0.0	0.0
18-Sep-21	139.6	0.0	44.0	93.3	0.9	0.0	0.0	87.5	0.0	26.0	31.7	1.4	0.0	0.0	0.0
19-Sep-21	163.9	6.0	29.0	96.9	1.8	0.0	0.0	67.0	0.0	29.0	35.9	0.4	0.0	0.0	0.0
20-Sep-21	127.5	5.2	28.0	106.6	1.1	0.0	0.0	142.5	0.0	29.0	33.1	1.4	0.0	0.0	0.0
21-Sep-21	174.0	2.6	27.0	99.8	1.7	0.0	0.0	96.8	0.0	30.0	32.8	1.4	0.0	0.0	0.0
22-Sep-21	146.4	4.3	37.0	99.6	1.7	0.0	0.0	98.1	0.0	27.0	34.3	1.4	0.0	0.0	0.0
23-Sep-21	198.5	4.3	45.0	136.3	1.9	0.0	0.0	84.2	0.0	30.0	33.8	0.4	0.0	0.0	0.0
24-Sep-21	137.5	4.3	35.0	121.6	1.8	0.0	0.0	114.9	0.0	30.0	33.3	1.4	0.0	0.0	0.0
25-Sep-21	154.3	6.0	33.0	105.8	0.9	0.0	0.0	76.6	0.0	28.0	30.0	1.4	0.0	0.0	0.0
26-Sep-21	164.8	4.3	37.0	107.4	1.8	0.0	0.0	137.2	0.0	28.0	40.0	1.4	0.0	0.0	0.0
27-Sep-21	178.5	12.0	20.0	126.6	1.8	0.0	0.0	108.0	6.0	30.0	30.7	1.4	0.0	0.0	0.0
28-Sep-21	129.8	10.3	37.0	121.5	1.5	0.0	0.0	82.1	0.0	29.0	32.6	1.4	0.0	0.0	0.0
29-Sep-21	153.2	0.0	36.0	112.2	1.8	0.0	0.0	117.6	0.0	30.0	40.2	1.4	0.0	0.0	0.0
30-Sep-21	139.6	8.6	32.0	109.9	1.7	0.0	0.0	119.6	0.0	31.0	43.9	0.4	0.0	0.0	0.0
Total	4,507.3	143.6	1,124.0	3,259.9	40.6	0.0	0.0	3,075.8	15.0	859.0	1,053.1	29.2	2.0	0.0	0.0

Notes:

WWTP - Waste Water Treatment Plant

PWSP - Polishing Waste Stabilization Pond

Table 3.1: Flow and Volume Measurements - Part I Item 11 - September 2021

DATE	Treated Sewage Effluent from PWSP MP-01A to Milne Inlet (MP-01A) (m ³)	Effluent Discharge from Mine Site Crusher Pad Sedimentation Pond (MS-06) (m ³)	Effluent Discharge from Mine Site Run of Mine Ore Stockpile Pond Stormwater (MS-07) (m ³)	Effluent Discharge from Mine Site Waste Rock Stockpile Pond (MS-08) (m ³)	Effluent Discharge from Milne Port Ore Stockpile Sedimentation Pond (East) to Milne Inlet (MP-05) (m ³)	Effluent Discharge from Milne Port Ore Stockpile Sedimentation Pond (West) to Milne Inlet (MP-06) (m ³)	Treated Sewage Effluent from PWSP to Sheardown Lake (MS-MRY-4B) (m ³)	Treated Oily Water from Exploration Camp Bulk Fuel Storage Facility to Tundra (MS-MRY-6) (m ³)	Treated Oily Water from Milne Port Snowdump Facility to Tundra (MP-04A) (m ³)	Effluent Discharge from Milne Port Bulk Fuel Tank Farm Facility to Milne Inlet (MP-03) (m ³)	Effluent Discharge from Milne Port Landfarm Facility to Tundra (MP-04) (m ³)	Effluent Discharge from Mine Site Bulk Fuel Storage Facility Stormwater (MS-03) (m ³)	Effluent Discharge from Mine Site Bulk Fuel Storage Facility Stormwater (MS-03B) (m ³)
1-Sep-21	30.9	160.0	0.0	0.0	0.0	127.9	0.0	0.0	0.0	0.0	14.4	0.0	0.0
2-Sep-21	47.9	0.0	0.0	0.0	0.0	759.6	0.0	0.0	0.0	0.0	26.5	0.0	0.0
3-Sep-21	45.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.6	0.0	0.0
4-Sep-21	47.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0
5-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8-Sep-21	0.0	0.0	0.0	0.0	101.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-Sep-21	0.0	136.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20-Sep-21	0.0	0.0	0.0	0.0	493.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30-Sep-21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	171.8	296.6	0.0	0	594.8	887.5	0.0	0.0	0.0	0.0	90.5	0.0	0.0

Notes:

WWTP - Waste Water Treatment Plant

PWSP - Polishing Waste Stabilization Pond