

October 30, 2020

Manager of Licensing
Nunavut Water Board
P.O. Box 119
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Water Resources Officer, CIRNAC
Nunavut District, Nunavut Region
P.O. Box 100
Iqaluit, NU X0A 0H0

**RE: Water Licence 2AM-MRY1325 Monthly Surveillance Network Program (SNP) Report
September 2020**

The following is the monthly report for September 2020 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 2020, water samples were collected as part of the Water Licence 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 date/laboratory identification number as appropriate. Analytical water quality testing results received are presented in Tables 2.1 – 2.25. Water volumes consumed for domestic and industrial water purposes and the volumes of effluent discharged at the Mary River Mine Site and Milne Port are presented in Table 3.1.

Monitoring Program Results

Water Sampling and Analysis Results

Tables 2.1 – 2.25 provide the analytical results related to the SNP sampling requirements for September 2020. Measured fecal coliforms in treated wastewater effluent discharge from the 380M Wastewater Treatment Plant was 18,900 CFU/100ml in MP-01B grab sample collected September 16, 2020; above the permitted discharge criteria of 10,000 CFU/100ml. A review of wastewater treatment records for the MP-01B effluent did not identify an upset in the treatment process or abnormal operating conditions at the time of the September 16, 2020 sampling event. Measured fecal coliforms in a follow up grab sample collected from the MP-01B treated effluent discharge on September 30, 2020 was 0 CFU/100 ml.

Flow and Volume Measurements

Table 3.1 provides a breakdown of volume measurements for September 2020 as required by Part I, Item 9 of the Licence. Measured daily freshwater use from the Camp Lake source for domestic use on September 20, 2020 was 210.4 m³; above the site specific daily volume withdrawal limit of 203.8 m³. A

review of the Mine Site Water Treatment Plant (MS WTP) Operator records for September 20, 2020 identified higher than normal water use to refill the raw water tank after the tank was drained to provide access for maintenance. Measured daily freshwater use from the Camp Lake source for combined domestic and industrial use on September 20, 2020 was 219.0 m³; well below the site specific daily volume withdrawal limit of 355.4 m³. There were no exceedances of the site specific daily volume withdrawal limits for industrial use in September.

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.

Prepared by:



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Attachments

Attachments – Monthly Water Sampling Results: Table 1.1, Tables 2.1 – 2.25, Table 3.1

Attachments

Monthly Water Sampling Results

Table 1.1: Monitoring Program Water Sampling Summary for September 2020

Monitoring Program Station	Sampling Date	Lab ID Number	Comment
Milne Port			
MP-01 (Sewage Treatment Facility)	2020-09-16	L2505075-2	Volume reported daily during discharge
MP-0103 (Travel Blank of MP-01)	2020-09-16	L2505075-3	
MP-01A (Polishing Waste Stabilization Pond)			No discharge
MP-01B (Sewage Treatment Facility)	2020-09-16 2020-09-30	L2505065-2 L2511265-1	Volume reported daily during discharge
MP-01B03 (Travel Blank of MP01B)	2020-09-16	L2505065-3	
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
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 (Landfarm Facility & Snow Containment Facility)	2020-09-06	L2504399-1	Discharge from September 6 and 9-12
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)	2020-09-14	L2504433-1	Discharge from September 13-16
MP-0501 (Field Duplicate of MP-0501)	2020-09-14	L2504433-2	
MP-06 Ore Stockpile Sedimentation Pond (West)	2020-09-14	L2504432-1	Discharge from September 13-14
MP-C-A (Downstream of Construction Area)	N/A	N/A	No flow
MP-C-B (Downstream of Construction Area)	2020-09-01 2020-09-07 2020-09-14	L2499492-2 L2500073-3 L2504436-4	No flow on September 21 due to frozen conditions
MP-C-B03 (Travel Blank of MP-C-B)	2020-09-14	L2504436-5	

Monitoring Program Station	Sampling Date	Lab ID Number	Comment
MP-C-B01 (Downstream of Construction Area)	2020-09-01 2020-09-07 2020-09-14 2020-09-21	L2499492-3 L2500073-4 L2504436-3 L2506231-3	No flow on September 28 due to frozen conditions
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
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-G (Downstream of Construction Area)	N/A	N/A	No flow
MP-C-H (Downstream of Construction Area)	2020-09-01 2020-09-07 2020-09-14 2020-09-21	L2499492-5 L2500073-2 L2504436-1 L2506231-1	No flow on September 28 due to frozen conditions
MP-C-H01 (Field Duplicate of MP-C-H)	2020-09-07	L2500073-2	
MP-C-H03 (Travel Blank for MP-C-H)	2020-09-01 2020-09-21	L2499492-6 L2506231-2	
MP-C-J (Downstream of Construction Area)	2020-09-01 2020-09-07 2020-09-14	L2499492-4 L2500073-5 L2504436-2	No flow on September 21 due to frozen conditions
MP-Q1-01 (Downstream of Q1 Quarry)	N/A	N/A	No flow
MP-Q1-02 (Downstream of Q1 Quarry)	2020-09-02 2020-09-07	L2499492-1 L2500073-6	No flow on September 14 due to frozen conditions
Mary River Mine Site			
MS-01 (Sewage Treatment Facility)	2020-09-16	L2504195-1	Discharge volume reported daily
MS-0103 (Travel Blank of MS-01)	2020-09-16	L2504195-3	
MS-01A (Mine Site Polishing Waste Stabilization Pond)	N/A	N/A	No discharge
MS-01B (Sewage Treatment Facility)	2020-09-16	L2504318-1	Discharge volume reported daily
MS-01B03 (Travel Blank of MS-01B)	2020-09-16	L2504318-3	
MS-02 (Mine Site Maintenance Shop)	N/A	N/A	No discharge

Monitoring Program Station	Sampling Date	Lab ID Number	Comment
MS-MRY-1 (Freshwater Intake Camp Lake)	N/A	N/A	Withdrawal volume recorded daily
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
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	Not constructed
MS-06 (Ore Stockpile Pond Stormwater)	N/A	N/A	No discharge
MS-07 (Run of Mine Ore Stockpile Pond Stormwater)	N/A	N/A	Not constructed
MS-08 (Mine Waste Rock Stockpile Pond)	N/A	N/A	No discharge
MS-09 (Waste Rock Stockpile East Pond)	N/A	N/A	No discharge
MS-MRY-6 (Exploration Camp Bulk Fuel Storage Facility Stormwater)	N/A	N/A	No discharge
MS-MRY-09 (Deposit 1 Surface Water Drainage)	2020-09-02 2020-09-11	L2499077-1 L2509827-1	No flow on September 8 due to frozen conditions
MS-MRY-10 (Deposit 1 Surface Water Drainage)	2020-09-01	L2497354-1	No flow on September 15 due to frozen conditions
MS-MRY-13A (Downstream Non-Hazardous Landfill)	N/A	N/A	No flow
MS-MRY-13B (Downstream Non-Hazardous Landfill)	2020-09-01 2020-09-07	L2497354-5 L2499560-7	No flow on September 14 due to frozen conditions

Monitoring Program Station	Sampling Date	Lab ID Number	Comment
MS-C-A (Downstream of Construction and Borrow Areas)	2020-09-01 2020-09-07 2020-09-14	L2497354-11 L2499560-10 L2503076-9	No flow on September 22 due to frozen conditions
MS-C-A01 (Field Duplicate of MS-C-A)	2020-09-01 2020-09-07	L2497354-12 L2499560-11	
MS-C-B (Downstream of Construction and Borrow Areas)	2020-09-01 2020-09-07 2020-09-14	L2497354-13 L2499560-12 L2503076-10	No flow on September 22 due to frozen conditions
MS-C-C (Downstream of Construction and Borrow Areas)	N/A	N/A	No flow
MS-C-D (Downstream of Construction and Borrow Areas)	2020-09-01 2020-09-07	L2497354-6 L2499560-6	No flow on September 14 due to frozen conditions
MS-C-E (Downstream of Construction and Borrow Areas)	2020-09-01 2020-09-07 2020-09-14	L2497354-3 L2499560-5 L2503076-5	No flow on September 22 due to frozen conditions
MS-C-E01 (Field Duplicate of MS-C-E)	2020-09-01	L2497354-4	
MS-C-F (Downstream of Construction and Borrow Areas)	2020-09-01 2020-09-07 2020-09-14	L2497354-8 L2499560-13 L2503076-7	No flow on September 22 due to frozen conditions
MS-C-F01 (Field Duplicate of MS-C-F)	2020-09-14	L2503076-8	
MS-C-G (Downstream of Construction and Borrow Areas)	2020-09-01 2020-09-07 2020-09-14	L2497354-7 L2499560-8 L2503076-6	No flow on September 22 due to frozen conditions
MS-C-H (Downstream of Construction and Borrow Areas)	2020-09-01 2020-09-07	L2497354-2 L2499560-9	No flow on September 14 due to frozen conditions
MQ-C-A (Downstream of QMR2 Quarry)	2020-09-01 2020-09-07 2020-09-14 2020-09-22	L2497354-10 L2499560-1 L2503076-1 L2507045-1	No flow on September 29 due to frozen conditions
MQ-C-B (Downstream of QMR2 Quarry)	2020-09-01 2020-09-07 2020-09-14	L2499077-2 L2499560-3 L2503076-3	No flow on September 22 due to frozen conditions
MQ-C-B01 (Field Duplicate of MQ-C-B)	2020-09-07 2020-09-14	L2499560-4 L2503076-4	
MQ-C-D (Downstream of QMR2 Quarry)	2020-09-01 2020-09-07 2020-09-14 2020-09-22	L2497354-9 L2499560-2 L2503076-2 L2507045-2	No flow on September 29 due to frozen conditions

Monitoring Program Station	Sampling Date	Lab ID Number	Comment
MQ-C-D03 (Travel Blank of MQ-C-D)	2020-09-22	L2507045-3	
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-0103
	ALS Laboratory Sample ID			L2505075-2	L2505075-3
	Sample Date & Time			2020-09-16 13:30	2020-09-16 13:30
	QA/QC Sample Type			N/A	Travel Blank
	Units	LOR	Criteria ¹		
pH	pH units	0.10	6.0 - 9.5	7.71	5.79
Total Suspended Solids	mg/L	3.0	120	<3.0	<3.0
Ammonia, Total (as N)	mg/L	0.010	-	0.104	<0.010
Total Kjeldahl Nitrogen	mg/L	0.15	-	0.73	<0.15
Phosphorus, Total	mg/L	0.0030	-	8.93	<0.0030
Fecal Coliforms	CFU/100 mL	0	10,000	0	0
BOD	mg/L	2.0	100	<2.0	<2.0
Oil and Grease, Total	mg/L	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 2.2: Water Quality Results for Water Licence Monitoring Location - MP-01B

Analyte	Sample ID			MP-01B	MP-01B03	MP-01B
	ALS Laboratory Sample ID			L2505065-2	L2505065-3	L2511265-1
	Sample Date & Time			2020-09-16 13:45	2020-09-16 13:45	2020-09-30 13:45
	QA/QC Sample Type			N/A	Travel Blank	N/A
	Units	LOR	Criteria ¹			
pH	pH units	0.10	6.0 - 9.5	7.8	5.75	-
Total Suspended Solids	mg/L	3.0	120	<3.0	<3.0	-
Ammonia, Total (as N)	mg/L	0.010	-	7.43	<0.010	-
Total Kjeldahl Nitrogen	mg/L	0.15	-	15.7	<0.15	-
Phosphorus, Total	mg/L	0.003	-	16.3	<0.0030	-
Fecal Coliforms	CFU/100 mL	0	10,000	18900	0	0
BOD	mg/L	2.0	100	4.2	<2.0	-
Oil and Grease, Total	mg/L	2.0	-	<2.0	<2.0	-
	-	-	No Visible Sheen	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 2.3: Water Quality Results for Water Licence Monitoring Location - MP-04

Analyte	Sample ID			MP-04
	ALS Laboratory Sample ID			L2504399-1
	Sample Date & Time			2020-09-06 12:20
	QA/QC Sample Type			N/A
	Units	LOR	Criteria ¹	
pH	pH units	0.10	6.0 - 9.5	8.25
Total Suspended Solids	mg/L	3.0	120	5.8
Lead (Pb)-Total	mg/L	0.000050	0.001	0.000111
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
Total Petroleum Hydrocarbons (TPH)	mg/L	0.38	-	0.4
Oil and Grease, Total	mg/L	2.0	-	0.4
	-	-	No Visible Sheen	<2.0
Toxicity	-	-	Not Acutely Toxic	No Visible Sheen

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-05

Analyte	Sample ID			MP-05	MP-0501
	ALS Laboratory Sample ID			L2504433-1	L2504433-2
	Sample Date & Time			2020-09-14 10:00	2020-09-14 10:00
	QA/QC Sample Type			N/A	N/A
	Units	LOR	Criteria ¹		
Hardness (as CaCO ₃)	mg/L	0.5	-	533	525
pH	pH units	0.1	6.0 - 9.5	8.38	8.39
Total Suspended Solids	mg/L	3.0	15.0	4	5.6
Total Dissolved Solids	mg/L	20	-	887	884
Turbidity	NTU	0.10	-	4.92	5.39
Alkalinity, Total (as CaCO ₃)	mg/L	10	-	212	212
Ammonia, Total (as N)	mg/L	0.010	-	0.068	0.069
Chloride (Cl)	mg/L	2.5	-	199	204
Fluoride (F)	mg/L	0.10	-	0.21	0.18
Nitrate (as N)	mg/L	0.10	-	3.95	3.99
Total Kjeldahl Nitrogen	mg/L	0.15	-	0.53	0.57
Phosphorus, Total	mg/L	0.0030	-	0.0039	0.0068
Sulfate (SO ₄)	mg/L	1.5	-	232	238
Dissolved Organic Carbon	mg/L	0.50	-	5.99	6.17
Total Organic Carbon	mg/L	0.50	-	8.21	8.53
Aluminum (Al)-Total	mg/L	0.0050	-	0.0485	0.0891
Arsenic (As)-Total	mg/L	0.00010	0.50	0.00027	0.00029
Cadmium (Cd)-Total	mg/L	0.0000050	-	<0.0000050	<0.0000050
Calcium (Ca)-Total	mg/L	0.050	-	93.2	92.2
Copper (Cu)-Total	mg/L	0.00050	0.30	0.00181	0.00199
Iron (Fe)-Total	mg/L	0.010	-	0.132	0.226
Lead (Pb)-Total	mg/L	0.00005	0.20	0.000096	0.000131
Magnesium (Mg)-Total	mg/L	0.0050	-	67	67.9
Manganese (Mn)-Total	mg/L	0.00050	-	0.134	0.138
Mercury (Hg)-Total	mg/L	0.0000050	-	<0.0000050	<0.0000050
Molybdenum (Mo)-Total	mg/L	0.000050	-	0.00329	0.00319
Nickel (Ni)-Total	mg/L	0.00050	0.50	0.00234	0.0025
Potassium (K)-Total	mg/L	0.050	-	9.35	9.52
Selenium (Se)-Total	mg/L	0.000050	-	0.000323	0.000343
Sodium (Na)-Total	mg/L	0.050	-	84.1	84.9
Thallium (Tl)-Total	mg/L	0.000010	-	0.000012	0.000013
Uranium (U)-Total	mg/L	0.000010	-	0.0627	0.0615
Zinc (Zn)-Total	mg/L	0.0030	0.50	0.0077	0.0084
Aluminum (Al)-Dissolved	mg/L	0.0050	-	0.0073	0.0083
Arsenic (As)-Dissolved	mg/L	0.00010	-	0.0003	0.00028
Cadmium (Cd)-Dissolved	mg/L	0.0000050	-	<0.0000050	<0.0000050
Calcium (Ca)-Dissolved	mg/L	0.050	-	97.1	97.7
Copper (Cu)-Dissolved	mg/L	0.00020	-	0.00185	0.00189
Iron (Fe)-Dissolved	mg/L	0.010	-	0.027	0.029
Lead (Pb)-Dissolved	mg/L	0.000050	-	<0.000050	<0.000050
Magnesium (Mg)-Dissolved	mg/L	0.0050	-	70.5	68.1
Manganese (Mn)-Dissolved	mg/L	0.00050	-	0.134	0.133
Mercury (Hg)-Dissolved	mg/L	0.0000050	-	<0.0000050	<0.0000050
Molybdenum (Mo)-Dissolved	mg/L	0.000050	-	0.00327	0.00334
Nickel (Ni)-Dissolved	mg/L	0.00050	-	0.0023	0.00231
Potassium (K)-Dissolved	mg/L	0.050	-	9.79	9.63
Selenium (Se)-Dissolved	mg/L	0.000050	-	0.000458	0.000343
Sodium (Na)-Dissolved	mg/L	0.050	-	88.2	86.7
Thallium (Tl)-Dissolved	mg/L	0.000010	-	0.000014	0.000012
Uranium (U)-Dissolved	mg/L	0.000010	-	0.0613	0.0607
Zinc (Zn)-Dissolved	mg/L	0.0010	-	0.0068	0.0072
Oil and Grease	-	-	No Visible Sheen	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 2.5: Water Quality Results for Water Licence Monitoring Location - MP-06

Analyte	Sample ID			MP-06
	ALS Laboratory Sample ID			L2504432-1
	Sample Date & Time			2020-09-14 9:20
	QA/QC Sample Type			N/A
	Units	LOR	Criteria ¹	
Hardness (as CaCO ₃)	mg/L	1.30	-	686
pH	pH units	0.10	6.0 - 9.5	7.95
Total Suspended Solids	mg/L	3.0	Grab 30, Average 15	3.8
Total Dissolved Solids	mg/L	20	-	1010
Turbidity	NTU	0.10	-	2.38
Alkalinity, Total (as CaCO ₃)	mg/L	10	-	80
Ammonia, Total (as N)	mg/L	0.010	-	<0.010
Chloride (Cl)	mg/L	2.5	-	90.7
Fluoride (F)	mg/L	0.10	-	0.11
Nitrate (as N)	mg/L	0.10	-	5.09
Total Kjeldahl Nitrogen	mg/L	0.15	-	0.2
Phosphorus, Total	mg/L	0.0030	-	<0.0030
Sulfate (SO ₄)	mg/L	1.5	-	576
Dissolved Organic Carbon	mg/L	0.50	-	2.16
Total Organic Carbon	mg/L	0.50	-	3.96
Aluminum (Al)-Total	mg/L	0.0050	-	0.0226
Arsenic (As)-Total	mg/L	0.00010	0.50	0.0012
Cadmium (Cd)-Total	mg/L	0.0000050	-	<0.000005
Calcium (Ca)-Total	mg/L	0.050	-	79.3
Copper (Cu)-Total	mg/L	0.00050	0.30	<0.00050
Iron (Fe)-Total	mg/L	0.010	-	0.053
Lead (Pb)-Total	mg/L	0.000050	0.20	<0.00005
Magnesium (Mg)-Total	mg/L	0.050	-	119
Manganese (Mn)-Total	mg/L	0.00050	-	0.048
Mercury (Hg)-Total	mg/L	0.0000050	-	<0.000005
Molybdenum (Mo)-Total	mg/L	0.000050	-	0.00212
Nickel (Ni)-Total	mg/L	0.00050	0.50	0.00128
Potassium (K)-Total	mg/L	0.050	-	7.14
Selenium (Se)-Total	mg/L	0.000050	-	0.00135
Sodium (Na)-Total	mg/L	0.050	-	36.8
Thallium (Tl)-Total	mg/L	0.000010	-	0.000017
Uranium (U)-Total	mg/L	0.000010	-	0.0353
Zinc (Zn)-Total	mg/L	0.0030	0.50	<0.0030
Aluminum (Al)-Dissolved	mg/L	0.050	-	<0.050
Arsenic (As)-Dissolved	mg/L	0.00100	-	<0.0010
Cadmium (Cd)-Dissolved	mg/L	0.000050	-	<0.000050
Calcium (Ca)-Dissolved	mg/L	0.50	-	81.5
Copper (Cu)-Dissolved	mg/L	0.0020	-	<0.0020
Iron (Fe)-Dissolved	mg/L	0.10	-	<0.10
Lead (Pb)-Dissolved	mg/L	0.000500	-	<0.00050
Magnesium (Mg)-Dissolved	mg/L	0.050	-	117
Manganese (Mn)-Dissolved	mg/L	0.0050	-	0.0315
Mercury (Hg)-Dissolved	mg/L	0.0000050	-	<0.0000050
Molybdenum (Mo)-Dissolved	mg/L	0.00050	-	0.00214
Nickel (Ni)-Dissolved	mg/L	0.00500	-	<0.0050
Potassium (K)-Dissolved	mg/L	0.50	-	6.35
Selenium (Se)-Dissolved	mg/L	0.00050	-	0.00119
Sodium (Na)-Dissolved	mg/L	0.50	-	37.1
Thallium (Tl)-Dissolved	mg/L	0.00010	-	<0.00010
Uranium (U)-Dissolved	mg/L	0.00010	-	0.0354
Zinc (Zn)-Dissolved	mg/L	0.010	-	<0.010
Oil and Grease	-	-	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-C-B

Analyte	Sample ID			MP-C-B	MP-C-B	MP-C-B	MP-C-B03
	ALS Laboratory Sample ID			L2499492-2	L2500073-3	L2504436-4	L2504436-5
	Sample Date & Time			2020-09-01 10:40	2020-09-07 12:35	2020-09-14 16:40	2020-09-14 16:40
	QA/QC Sample Type			N/A	N/A	N/A	Travel Blank
	Units	LOR	Criteria ¹				
Conductivity	umhos/cm	3.0	-	523	-	960	<3.0
pH	pH units	0.10	6.0 - 9.5	8.32	8.27	8.35	5.83
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<3.0	<2.0	<3.0	<3.0
Total Dissolved Solids	mg/L	10	-	260	541	533	<10
Turbidity	NTU	0.10	-	2.15	0.16	0.74	0.32
Ammonia, Total (as N)	mg/L	0.010	-	0.077	-	0.101	<0.010
Nitrate (as N)	mg/L	0.020	-	2.64	-	4.26	<0.020
Oil and Grease, Total	mg/L	2.0	-	<2.0	-	<2.0	<2.0
	-	-	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 2.7: Water Quality Results for Water Licence Monitoring Location - MP-C-B01

Analyte	Sample ID			MP-C-B01	MP-C-B01	MP-C-B01	MP-C-B01
	ALS Laboratory Sample ID			L2499492-3	L2500073-4	L2504436-3	L2506231-3
	Sample Date & Time			2020-09-01 10:50	2020-09-07 13:05	2020-09-14 16:25	2020-09-21 14:35
	QA/QC Sample Type			N/A	N/A	N/A	N/A
	Units	LOR	Criteria ¹				
Conductivity	umhos/cm	3.0	-	1470	-	1520	-
pH	pH units	0.10	6.0 - 9.5	8.24	8.15	8.13	7.49
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<3.0	<2.0	<3.0	<2.0
Total Dissolved Solids	mg/L	10	-	1200	976	963	811
Turbidity	NTU	0.10	-	0.87	0.15	0.79	<0.10
Ammonia, Total (as N)	mg/L	0.010	-	0.096	-	0.026	-
Nitrate (as N)	mg/L	0.020	-	1.71	-	1.8	-
Oil and Grease, Total	mg/L	2.0	-	<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 2.8: Water Quality Results for Water Licence Monitoring Location - MP-C-H

Analyte	Sample ID			MP-C-H	MP-C-H03	MP-C-H	MP-C-H01	MP-C-H	MP-C-H	MP-C-H03
	ALS Laboratory Sample ID			L2499492-5	L2499492-6	L2500073-1	L2500073-2	L2504436-1	L2506231-1	L2506231-2
	Sample Date & Time			2020-09-01 10:05	2020-09-01 10:05	2020-09-07 11:50	2020-09-07 11:50	2020-09-14 11:30	2020-09-21 10:05	2020-09-21 10:05
	QA/QC Sample Type			N/A	Travel Blank	N/A	Field Duplicate	N/A	N/A	Travel Blank
	Units	LOR	Criteria ¹							
Conductivity	umhos/cm	3.0	-	402	<3.0	-	-	413	-	-
pH	pH units	0.10	6.0 - 9.5	8.36	6.18	8.27	8.30	8.32	8.08	5.74
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<3.0	<3.0	<2.0	<2.0	<3.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	179	<10	214	214	205	229	<10
Turbidity	NTU	0.10	-	0.76	1.2	0.19	0.19	0.43	<0.10	<0.10
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	<0.010	-	-	<0.010	-	-
Nitrate (as N)	mg/L	0.020	-	0.234	<0.020	-	-	0.145	-	-
Oil and Grease, Total	mg/L	2.0	-	<2.0	<2.0	-	-	<2.0	-	-
	-	-	No Visible Sheen	No Visible Sheen	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 2.9: Water Quality Results for Water Licence Monitoring Location - MP-C-J

Analyte	Sample ID			MP-C-J	MP-C-J	MP-C-J
	ALS Laboratory Sample ID			L2499492-4	L2500073-5	L2504436-2
	Sample Date & Time			2020-09-01 11:00	2020-09-07 14:10	2020-09-14 12:15
	QA/QC Sample Type			N/A	N/A	N/A
	Units	LOR	Criteria ¹			
Conductivity	umhos/cm	3.0	-	452	-	499
pH	pH units	0.10	6.0 - 9.5	8.41	8.18	8.22
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<3.0	<2.0	<3.0
Total Dissolved Solids	mg/L	10	-	203	276	255
Turbidity	NTU	0.10	-	0.98	0.19	1.09
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-	<0.010
Nitrate (as N)	mg/L	0.020	-	<0.020	-	0.032
Oil and Grease, Total	mg/L	2.0	-	<2.0	-	<2.0
	-	-	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 2.10: Water Quality Results for Water Licence Monitoring Location - MP-Q1-02

Analyte	Sample ID			MP-Q1-02	MP-Q1-02
	ALS Laboratory Sample ID			L2499492-1	L2500073-6
	Sample Date & Time			2020-09-02 9:20	2020-09-07 16:20
	QA/QC Sample Type			N/A	N/A
	Units	LOR	Criteria ¹		
Conductivity	umhos/cm	3.0	-	451	-
pH	pH units	0.10	6.0 - 9.5	8.19	8.24
Total Suspended Solids	mg/L	3.0	Grab 30, Average 15	<3.0	<2.0
Total Dissolved Solids	mg/L	10	-	232	250
Turbidity	NTU	0.10	-	1.02	1.23
Ammonia, Total (as N)	mg/L	0.010	-	0.066	-
Nitrate (as N)	mg/L	0.020	-	4.41	-
Oil and Grease, Total	mg/L	2.0	-	<2.0	-
	-	-	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 2.11: Water Quality Results for Water Licence Monitoring Location - MS-01

Analyte	Sample ID			MS-01	MS-0103
	ALS Laboratory Sample ID			L2504195-1	L2504195-3
	Sample Date & Time			2020-09-16 15:00	2020-09-16 15:00
	QA/QC Sample Type			N/A	Travel Blank
	Units	LOR	Criteria ¹		
pH	pH units	0.10	6.0 - 9.5	7.59	5.82
Total Suspended Solids	mg/L	2.0	35	<2.0	<2.0
Ammonia, Total (as N)	mg/L	0.020	4.0	0.026	<0.010
Total Kjeldahl Nitrogen	mg/L	1.5	-	0.39	<0.15
Phosphorus, Total	mg/L	0.0060	4.0	1.7	<0.0030
Fecal Coliforms	CFU/100 mL	0	1000	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	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 2.12: Water Quality Results for Water Licence Monitoring Location - MS-01B

Analyte	Sample ID			MS-01B	MS-01B03
	ALS Laboratory Sample ID			L2504318-1	L2504318-3
	Sample Date & Time			2020-09-16 14:30	2020-09-16 14:30
	QA/QC Sample Type			N/A	Travel Blank
	Units	LOR	Criteria ¹		
pH	pH units	0.10	6.0 - 9.5	7.87	5.99
Total Suspended Solids	mg/L	2.0	35	4	<2.0
Ammonia, Total (as N)	mg/L	0.010	4.0	0.118	<0.010
Total Kjeldahl Nitrogen	mg/L	0.15	-	0.81	<0.15
Phosphorus, Total	mg/L	0.0030	4.0	0.675	<0.0030
Fecal Coliforms	CFU/100 mL	0	1000	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	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 2.13: Water Quality Results for Water Licence Monitoring Location - MS-MRY-09

Analyte	Sample ID			MS-MRY-09	MS-MRY-09
	ALS Laboratory Sample ID			L2499077-1	L2509827-1
	Sample Date & Time			2020-09-02	2020-09-11
	QA/QC Sample Type			N/A	N/A
	Units	LOR	Criteria ¹		
Hardness	mg/L	0.50	-	102	-
pH	pH units	0.10	6.0 - 9.5	7.99	8.05
Total Suspended Solids	mg/L	2.0	15.0	<2.0	2
Total Dissolved Solids	mg/L	10	-	138	112
Turbidity	NTU	0.10	-	<0.10	0.22
Alkalinity, Total (as CaCO ₃)	mg/L	10	-	94	-
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-
Chloride (Cl)	mg/L	0.50	-	3.35	-
Fluoride (F)	mg/L	0.020	-	0.024	-
Nitrate (as N)	mg/L	0.020	-	0.134	-
Total Kjeldahl Nitrogen	mg/L	0.15	-	<0.15	-
Phosphorus, Total	mg/L	0.0030	-	<0.0030	-
Sulfate (SO ₄)	mg/L	0.30	-	7.03	-
Dissolved Organic Carbon	mg/L	0.50	-	7.23	-
Total Organic Carbon	mg/L	0.50	-	3.03	-
Aluminum (Al)-Total	mg/L	0.0050	-	0.0143	-
Arsenic (As)-Total	mg/L	0.00010	0.50	<0.00010	-
Cadmium (Cd)-Total	mg/L	0.0000050	-	<0.0000050	-
Calcium (Ca)-Total	mg/L	0.50	-	19.3	-
Copper (Cu)-Total	mg/L	0.0010	0.30	0.00219	-
Iron (Fe)-Total	mg/L	0.010	-	0.015	-
Lead (Pb)-Total	mg/L	0.000050	0.20	<0.000050	-
Magnesium (Mg)-Total	mg/L	0.050	-	12.4	-
Manganese (Mn)-Total	mg/L	0.00050	-	0.00081	-
Mercury (Hg)-Total	mg/L	0.0000050	-	<0.0000050	-
Molybdenum (Mo)-Total	mg/L	0.000050	-	0.00165	-
Nickel (Ni)-Total	mg/L	0.00050	0.50	<0.00050	-
Potassium (K)-Total	mg/L	0.050	-	2.44	-
Selenium (Se)-Total	mg/L	0.000050	-	0.000125	-
Sodium (Na)-Total	mg/L	0.050	-	0.88	-
Thallium (Tl)-Total	mg/L	0.000010	-	0.000017	-
Uranium (U)-Total	mg/L	0.000010	-	0.012	-
Zinc (Zn)-Total	mg/L	0.0030	0.50	<0.0030	-
Aluminum (Al)-Dissolved	mg/L	0.0050	-	0.0058	-
Arsenic (As)-Dissolved	mg/L	0.00010	-	<0.00010	-
Cadmium (Cd)-Dissolved	mg/L	0.000010	-	<0.0000050	-
Calcium (Ca)-Dissolved	mg/L	0.050	-	20.8	-
Copper (Cu)-Dissolved	mg/L	0.00020	-	0.00193	-
Iron (Fe)-Dissolved	mg/L	0.010	-	<0.010	-
Lead (Pb)-Dissolved	mg/L	0.000050	-	<0.000050	-
Magnesium (Mg)-Dissolved	mg/L	0.050	-	12	-
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	-	0.00169	-
Nickel (Ni)-Dissolved	mg/L	0.00050	-	<0.00050	-
Potassium (K)-Dissolved	mg/L	0.050	-	2.59	-
Selenium (Se)-Dissolved	mg/L	0.000050	-	0.000127	-
Sodium (Na)-Dissolved	mg/L	0.50	-	0.876	-
Thallium (Tl)-Dissolved	mg/L	0.000010	-	0.000015	-
Uranium (U)-Dissolved	mg/L	0.000010	-	0.0117	-
Zinc (Zn)-Dissolved	mg/L	0.0010	-	<0.0010	-
Oil and Grease, Total	-	-	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 2.14: Water Quality Results for Water Licence Monitoring Location - MS-MRY-10

Analyte	Sample ID			MS-MRY-10
	ALS Laboratory Sample ID			L2497354-1
	Sample Date & Time			2020-09-01
	QA/QC Sample Type			N/A
	Units	LOR	Criteria ¹	
Hardness	mg/L	0.50	-	212
pH	pH units	0.10	6.0 - 9.5	8.34
Total Suspended Solids	mg/L	2.0	15.0	<2.0
Total Dissolved Solids	mg/L	13	-	237
Turbidity	NTU	0.10	-	<0.10
Alkalinity, Total (as CaCO3)	mg/L	10	-	176
Ammonia, Total (as N)	mg/L	0.010	-	<0.010
Chloride (Cl)	mg/L	0.50	-	26
Fluoride (F)	mg/L	0.020	-	0.04
Nitrate (as N)	mg/L	0.020	-	<0.020
Total Kjeldahl Nitrogen	mg/L	0.15	-	0.17
Phosphorus, Total	mg/L	0.0030	-	<0.0030
Sulfate (SO4)	mg/L	0.30	-	15.7
Dissolved Organic Carbon	mg/L	0.50	-	3.53
Total Organic Carbon	mg/L	0.50	-	3.48
Aluminum (Al)-Total	mg/L	0.0050	-	0.0055
Arsenic (As)-Total	mg/L	0.00010	0.50	<0.00010
Cadmium (Cd)-Total	mg/L	0.0000050	-	<0.0000050
Calcium (Ca)-Total	mg/L	0.50	-	40.8
Copper (Cu)-Total	mg/L	0.0010	0.30	0.00126
Iron (Fe)-Total	mg/L	0.010	-	<0.010
Lead (Pb)-Total	mg/L	0.000050	0.20	<0.000050
Magnesium (Mg)-Total	mg/L	0.050	-	26.2
Manganese (Mn)-Total	mg/L	0.00050	-	<0.00050
Mercury (Hg)-Total	mg/L	0.0000050	-	<0.0000050
Molybdenum (Mo)-Total	mg/L	0.000050	-	0.000406
Nickel (Ni)-Total	mg/L	0.00050	0.50	0.00069
Potassium (K)-Total	mg/L	0.050	-	1.67
Selenium (Se)-Total	mg/L	0.000050	-	<0.000050
Sodium (Na)-Total	mg/L	0.050	-	5.94
Thallium (Tl)-Total	mg/L	0.000010	-	<0.000010
Uranium (U)-Total	mg/L	0.000010	-	0.00313
Zinc (Zn)-Total	mg/L	0.0030	0.50	<0.0030
Aluminum (Al)-Dissolved	mg/L	0.0050	-	<0.0050
Arsenic (As)-Dissolved	mg/L	0.00010	-	<0.00010
Cadmium (Cd)-Dissolved	mg/L	0.000010	-	<0.0000050
Calcium (Ca)-Dissolved	mg/L	0.050	-	43.1
Copper (Cu)-Dissolved	mg/L	0.00020	-	0.00121
Iron (Fe)-Dissolved	mg/L	0.010	-	<0.010
Lead (Pb)-Dissolved	mg/L	0.000050	-	<0.000050
Magnesium (Mg)-Dissolved	mg/L	0.050	-	25.3
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	-	0.000405
Nickel (Ni)-Dissolved	mg/L	0.000500	-	0.00071
Potassium (K)-Dissolved	mg/L	0.050	-	1.79
Selenium (Se)-Dissolved	mg/L	0.000050	-	<0.000050
Sodium (Na)-Dissolved	mg/L	0.50	-	5.59
Thallium (Tl)-Dissolved	mg/L	0.000010	-	<0.000010
Uranium (U)-Dissolved	mg/L	0.000010	-	0.00315
Zinc (Zn)-Dissolved	mg/L	0.0010	-	<0.0010
Oil and Grease	-	-	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 2.15: Water Quality Results for Water Licence Monitoring Location - MS-MRY-13B

Analyte	Sample ID			MS-MRY-13B	MS-MRY-13B
	ALS Laboratory Sample ID			L2497354-5	L2499560-7
	Sample Date & Time			2020-09-01 11:50	2020-09-07 10:50
	QA/QC Sample Type			N/A	N/A
	Units	LOR	Criteria ¹		
Conductivity	umhos/cm	3.0	-	2270	-
pH	pH units	0.10	6.0 - 9.5	8.05	7.95
Total Suspended Solids	mg/L	2.0	15.0	<2.0	2.4
Total Dissolved Solids	mg/L	10	-	1860	1500
Turbidity	NTU	0.10	-	<0.10	1.16
Alkalinity, Total (as CaCO ₃)	mg/L	10	-	264	-
Dissolved Organic Carbon	mg/L	0.50	-	13.5	-
Total Organic Carbon	mg/L	0.50	-	13.3	-
Aluminum (Al)-Total	mg/L	0.050	-	<0.050	-
Antimony (Sb)-Total	mg/L	0.0010	-	<0.0010	-
Barium (Ba)-Total	mg/L	0.0010	-	0.144	-
Cadmium (Cd)-Total	mg/L	0.000050	-	0.00009	-
Chromium (Cr)-Total	mg/L	0.0050	-	<0.0050	-
Cobalt (Co)-Total	mg/L	0.0010	-	0.0017	-
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	-	0.074	-
Manganese (Mn)-Total	mg/L	0.0050	-	<0.0050	-
Molybdenum (Mo)-Total	mg/L	0.00050	-	0.00081	-
Nickel (Ni)-Total	mg/L	0.0050	0.50	0.0272	-
Selenium (Se)-Total	mg/L	0.00050	-	<0.00050	-
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	-
Uranium (U)-Total	mg/L	0.00010	-	0.0397	-
Vanadium (V)-Total	mg/L	0.0050	-	<0.0050	-
Zinc (Zn)-Total	mg/L	0.030	0.50	<0.030	-
Oil and Grease, Total	mg/L	5.0	-	<5.0	-
	-	-	No Visible Sheen	No Visible Sheen	No Visible Sheen
Phenols (4AAP)	ug/L	0.0010	-	0.002	-
F1 (C6-C10)	ug/L	100	-	<100	-
F2 (C10-C16)	ug/L	100	-	<100	-
F3 (C16-C34)	ug/L	250	-	<250	-
F4 (C34-C50)	ug/L	250	-	<250	-
Total Hydrocarbons (C6-C50)	ug/L	380	-	<380	-

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

Analyte	Sample ID			MS-C-A	MS-C-A01	MS-C-A	MS-C-A01	MS-C-A
	ALS Laboratory Sample ID			L2497354-11	L2497354-12	L2499560-10	L2499560-11	L2503076-9
	Sample Date & Time			2020-09-01 14:20	2020-09-01 14:20	2020-09-07 13:45	2020-09-07 13:45	2020-09-14 12:10
	QA/QC Sample Type			N/A	Field Duplicate	N/A	Field Duplicate	N/A
	Units	LOR	Criteria ¹					
Conductivity	umhos/cm	3.0	-	240	240	-	-	-
pH	pH units	0.10	6.0 - 9.5	8.16	8.17	7.98	7.98	7.87
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	<2.0	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	136	133	121	129	137
Turbidity	NTU	0.10	-	0.2	0.21	3.11	0.19	0.46
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	<0.010	-	-	-
Nitrate (as N)	mg/L	0.020	-	0.203	0.207	-	-	-
Oil and Grease, Total	mg/L	2.0	-	<2.0	<2.0	-	-	-
	-	-	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 2.17: 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			L2497354-13	L2499560-12	L2503076-10
	Sample Date & Time			2020-09-01 14:50	2020-09-07 14:05	2020-09-14 12:20
	QA/QC Sample Type			N/A	N/A	N/A
	Units	LOR	Criteria ¹			
Conductivity	umhos/cm	3.0	-	253	-	-
pH	pH units	0.10	6.0 - 9.5	8.12	7.88	7.74
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	138	138	147
Turbidity	NTU	0.10	-	0.27	0.25	0.22
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-	-
Nitrate (as N)	mg/L	0.020	-	0.248	-	-
Oil and Grease, Total	mg/L	2.0	-	<2.0	-	-
	-	-	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 2.18: Water Quality Results for Water Licence Monitoring Location - MS-C-D

Analyte	Sample ID			MS-C-D	MS-C-D
	ALS Laboratory Sample ID			L2497354-6	L2499560-6
	Sample Date & Time			2020-09-01 11:20	2020-09-07
	QA/QC Sample Type			N/A	N/A
	Units	LOR	Criteria ¹		
Conductivity	umhos/cm	3.0	-	1160	-
pH	pH units	0.10	6.0 - 9.5	8.37	8.31
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	4.4
Total Dissolved Solids	mg/L	10	-	858	776
Turbidity	NTU	0.10	-	6.88	8.06
Ammonia, Total (as N)	mg/L	0.010	-	0.02	-
Nitrate (as N)	mg/L	0.020	-	9.32	-
Oil and Grease, Total	mg/L	2.0	-	<2.0	-
	-	-	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 2.19: Water Quality Results for Water Licence Monitoring Location - MS-C-E

Analyte	Sample ID			MS-C-E	MS-C-E01	MS-C-E	MS-C-E
	ALS Laboratory Sample ID			L2497354-3	L2497354-4	L2499560-5	L2503076-5
	Sample Date & Time			2020-09-01 11:05	2020-09-01 11:05	2020-09-07 10:05	2020-09-14 9:10
	QA/QC Sample Type			N/A	Field Duplicate	N/A	N/A
	Units	LOR	Criteria ¹				
Conductivity	umhos/cm	3.0	-	1210	1210	-	-
pH	pH units	0.10	6.0 - 9.5	8.09	8.07	7.81	7.48
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	-	924	923	992	906
Turbidity	NTU	0.10	-	0.63	0.6	1.66	0.33
Ammonia, Total (as N)	mg/L	0.010	-	0.033	<0.010	-	-
Nitrate (as N)	mg/L	0.020	-	9.34	9.14	-	-
Oil and Grease, Total	mg/L	2.0	-	<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 2.20: Water Quality Results for Water Licence Monitoring Location - MS-C-F

Analyte	Sample ID			MS-C-F	MS-C-F	MS-C-F	MS-C-F01
	ALS Laboratory Sample ID			L2497354-8	L2499560-13	L2503076-7	L2503076-8
	Sample Date & Time			2020-09-01 8:35	2020-09-07 14:25	2020-09-14 11:50	2020-09-14 11:50
	QA/QC Sample Type			N/A	N/A	N/A	Field Duplicate
	Units	LOR	Criteria ¹				
Conductivity	umhos/cm	3.0	-	242	-	-	-
pH	pH units	0.10	6.0 - 9.5	8.18	8.16	8.13	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	-	136	136	139	138
Turbidity	NTU	0.10	-	0.59	0.67	0.71	0.63
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-	-	-
Nitrate (as N)	mg/L	0.020	-	0.230	-	-	-
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 2.21: 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			L2497354-7	L2499560-8	L2503076-6
	Sample Date & Time			2020-09-01 12:30	2020-09-07 11:30	2020-09-14 10:40
	QA/QC Sample Type			N/A	N/A	N/A
	Units	LOR	Criteria ¹			
Conductivity	umhos/cm	3.0	-	252	-	-
pH	pH units	0.10	6.0 - 9.5	8.08	7.82	7.76
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	149	145	148
Turbidity	NTU	0.10	-	0.14	0.19	0.13
Ammonia, Total (as N)	mg/L	0.010	-	0.489	-	-
Nitrate (as N)	mg/L	0.020	-	3.95	-	-
Oil and Grease, Total	mg/L	2.0	-	<2.0	-	-
	-	-	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-H

Analyte	Sample ID			MS-C-H	MS-C-H
	ALS Laboratory Sample ID			L2497354-2	L2499560-9
	Sample Date & Time			2020-09-01 13:00	2020-09-07 11:55
	QA/QC Sample Type			N/A	N/A
	Units	LOR	Criteria ¹		
Conductivity	umhos/cm	3.0	-	267	-
pH	pH units	0.10	6.0 - 9.5	8.37	8.23
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	2.8
Total Dissolved Solids	mg/L	10	-	140	160
Turbidity	NTU	0.10	-	0.22	0.97
Ammonia, Total (as N)	mg/L	0.010	-	0.026	-
Nitrate (as N)	mg/L	0.020	-	0.051	-
Oil and Grease, Total	mg/L	2.0	-	<2.0	-
	-	-	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 2.23: Water Quality Results for Water Licence Monitoring Location - MQ-C-A

Analyte	Sample ID			MQ-C-A	MQ-C-A	MQ-C-A	MQ-C-A
	ALS Laboratory Sample ID			L2497354-10	L2499560-1	L2503076-1	L2507045-1
	Sample Date & Time			2020-09-01 9:30	2020-09-07 8:30	2020-09-14 8:25	2020-09-22 8:15
	QA/QC Sample Type			N/A	N/A	N/A	N/A
	Units	LOR	Criteria ¹				
Conductivity	umhos/cm	3.0	-	409	-	-	-
pH	pH units	0.10	6.0 - 9.5	8.30	8.17	8.11	7.90
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	-	230	216	228	239
Turbidity	NTU	0.10	-	0.12	<0.10	0.21	<0.10
Ammonia, Total (as N)	mg/L	0.010	-	0.019	-	-	-
Nitrate (as N)	mg/L	0.020	-	<0.020	-	-	-
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
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 2.24: Water Quality Results for Water Licence Monitoring Location - MQ-C-B

Analyte	Sample ID			MQ-C-B	MQ-C-B	MQ-C-B01	MQ-C-B	MQ-C-B01
	ALS Laboratory Sample ID			L2499077-2	L2499560-3	L2499560-4	L2503076-3	L2503076-4
	Sample Date & Time			2020-09-01 16:00	2020-09-07 9:25	2020-09-07 9:25	2020-09-14 8:55	2020-09-14 8:55
	QA/QC Sample Type			N/A	N/A	Field Duplicate	N/A	Field Duplicate
	Units	LOR	Criteria ¹					
Conductivity	umhos/cm	3.0	-	850	-	-	-	
pH	pH units	0.10	6.0 - 9.5	8.17	8.1	8.05	7.71	7.70
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	<2.0	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	294	308	306	281	272
Turbidity	NTU	0.10	-	1.37	1.48	2.00	1.27	1.26
Ammonia, Total (as N)	mg/L	0.010	-	0.065	-	-	-	-
Nitrate (as N)	mg/L	0.020	-	5.83	-	-	-	-
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	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 2.25: 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-D03
	ALS Laboratory Sample ID			L2497354-9	L2499560-2	L2503076-2	L2507045-2	L2507045-3
	Sample Date & Time			2020-09-01 10:10	2020-09-07 8:40	2020-09-14 8:40	2020-09-22 8:30	2020-09-22 8:30
	QA/QC Sample Type			N/A	N/A	N/A	N/A	Travel Blank
	Units	LOR	Criteria ¹					
Conductivity	umhos/cm	3.0	-	450	-	-	-	-
pH	pH units	0.10	6.0 - 9.5	8.28	8.10	8.14	7.85	6.32
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	<2.0	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	248	229	253	300	<10
Turbidity	NTU	0.10	-	2.66	8.7	3.29	2.09	<0.10
Ammonia, Total (as N)	mg/L	0.010	-	0.042	-	-	-	-
Nitrate (as N)	mg/L	0.020	-	2.32	-	-	-	-
Oil and Grease, Total	mg/L	2.0	-	<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 3.1: Flow and Volume Measurements-Part I Item 11 - September 2020

DATE	Camp Lake Freshwater for Domestic Use - Daily Water (m³) (MS-MRY-1)	Camp Lake Freshwater for Industrial Use - Daily Water (m³) (MS-MRY-1)	Treated Sewage Effluent (m³) from MS-01 to Discharge Location #1	Treated Sewage Effluent (m³) from MS-01B to Discharge Location #1	Sewage Sludge Removed (m³) from Mine Site WWTPs to Incinerator for Disposal Offsite (Backhaul)	Sewage Sludge Removed (m³) from Mine Site WWTP to PWSP at Mine Site	Sewage Sludge Removed (m³) from Lift Stations to PWSP at Mine Site	Km 32 Lake Milne Port Camp Daily Water (m³) (MP-MRY-3)	Km 32 Lake Milne Port Camp Fresh Water Use for Industrial Purposes (m³) (MP-MRY-3)	Treated Sewage Effluent (m³) from MP-01 to Milne Port	Treated Sewage Effluent (m³) from MP- 01B to Milne Port	Sewage Sludge Removed (m³) from Milne Port WWTP to Mine Site WWTP	Sewage Sludge Removed (m³) from Milne Port WWTP to PWSP at Mine Site	Sewage Sludge Removed (m³) from Milne Port WWTP to Incinerator for Disposal Offsite (Backhaul)	Sewage Sludge Removed (m³) from Lift Stations to PWSP at Milne Port	Sewage Sludge Removed (m³) from Milne Port WWTPs to PWSP at Milne Port	Water Use for Dust Suppression from Authorized Sources	Treated Sewage Effluent (m³) from PWSP MP-01a to Milne Port (MP- 01A)	Effluent Discharge (m³) from Mine Site Crusher Pad Sedimentation Pond (MS-06)	Effluent Discharge (m³) from Mine Site Waste Rock Stockpile Pond (MS-08)	Effluent Discharge (m³) from Milne Port Ore Stockpile Sedimentation Pond (East) to Milne Port (MP-05)	Effluent Discharge (m³) from Milne Port Ore Stockpile Sedimentation Pond (West) to Milne Port (MP-06)	Treated Sewage Effluent (m³) from PWSP to Sheardown Lake (MS-MRY-4B)	Treated Oily Water (m³) from Milne Port Snowdump Facility to Tundra (MP-04a)	Effluent Discharge (m³) from Milne Port Bulk Fuel Tank farm Facility to Milne Port (MP-03)	Effluent Discharge (m³) from Milne Port Landfarm Facility to Tundra (MP-04)	Effluent Discharge (m³) from Mine Site Bulk Fuel Storage Facility Stormwater (MS-03)	Effluent Discharge (m³) from Mine Site Bulk Fuel Storage Facility Stormwater (MS-03B)		
1-Sep-20	107.5	22.8	33.0	83.4	0.6	0.0	0.0	63.2	0.0	29.0	36.2	0.0	0.0	0.2	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	0.0	0.0	0.0
2-Sep-20	158.3	3.4	37.0	80.6	1.3	0.0	0.0	68.4	2.0	31.0	37.0	0.0	0.0	1.3	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	0.0	0.0	0.0
3-Sep-20	126.8	0.0	41.0	105.4	0.3	0.0	0.0	69.0	0.0	26.0	31.6	0.0	0.0	0.0	0.0	0.0	817.6	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
4-Sep-20	185.1	15.9	40.0	102.2	1.0	0.0	0.0	44.7	0.0	25.0	38.3	0.0	0.0	0.5	0.0	0.0	726.8	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
5-Sep-20	186.9	6.9	30.0	125.0	0.0	0.0	0.0	63.7	0.0	25.0	31.7	0.0	0.0	0.2	0.0	0.0	151.4	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-20	108.5	15.5	22.0	98.0	0.3	0.0	0.0	70.7	0.0	24.0	37.6	0.0	0.0	0.2	0.0	0.0	575.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.9	0.0	0.0
7-Sep-20	163.8	16.0	37.0	87.1	1.3	0.0	0.0	45.3	0.0	25.0	34.1	0.0	0.0	1.0	0.0	0.0	514.8	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-20	117.1	17.8	20.0	111.4	1.5	16.0	0.0	79.7	0.0	21.0	24.9	0.0	0.0	1.2	0.0	0.0	484.5	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
9-Sep-20	135.3	11.3	29.0	95.5	1.4	0.0	0.0	63.3	0.0	20.0	26.4	0.0	0.0	1.0	0.0	0.0	454.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.7	0.0	0.0
10-Sep-20	140.1	9.0	39.0	83.3	0.5	0.0	0.0	60.8	0.0	27.0	37.7	0.0	0.0	0.2	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	53.1	0.0	0.0
11-Sep-20	139.2	8.6	36.0	78.1	1.5	0.0	0.0	65.1	1.5	26.0	35.5	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.2	0.0	0.0
12-Sep-20	113.5	22.0	38.0	94.7	1.5	0.0	0.0	75.3	1.5	34.0	25.0	0.0	0.0	1.2	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	55.4	0.0	0.0
13-Sep-20	110.2	8.6	39.0	84.5	0.5	0.0	0.0	43.7	0.0	31.0	38.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	173.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14-Sep-20	114.5	8.6	39.0	81.3	0.5	0.0	0.0	88.2	1.0	28.0	19.4	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15-Sep-20	152.3	2.6	40.0	73.9	0.5	0.0	0.0	44.9	0.0	58.0	12.8	0.0	0.0	0.3	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	0.0	0.0	0.0
16-Sep-20	153.3	6.9	43.0	71.9	0.5	0.0	0.0	58.1	0.0	40.0	31.4	0.0	0.0	0.3	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	0.0	0.0	0.0
17-Sep-20	108.5	5.2	40.0	80.3	2.3	0.0	0.0	94.8	0.0	50.0	35.0	0.0	0.0	2.5	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	0.0	0.0	0.0
18-Sep-20	135.5	5.0	39.0	95.0	0.3	0.0	0.0	46.0	0.0	33.0	43.4	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	352.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19-Sep-20	129.7	5.7	36.0	89.6	0.3	0.0	0.0	54.5	0.0	26.0	29.2	0.0	0.0	0.3	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	0.0	0.0	0.0
20-Sep-20	210.4	8.6	39.0	89.6	0.3	30.0	0.0	59.1	0.0	25.0	35.9	0.0	0.0	0.3	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	0.0	0.0	0.0
21-Sep-20	120.1	3.3	39.0	76.2	0.5	0.0	0.0	66.9	0.0	26.0	36.9	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	0.0	0.0	0.0	0.0	0.0	0.0
22-Sep-20	187.9	12.0	38.0	92.3	0.2	0.0	0.0	68.7	0.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23-Sep-20	148.8	23.0	37.0	90.7	0.3	0.0	0.0	56.7	0.0	29.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24-Sep-20	115.2	21.3	37.0	104.0	0.5	0.0	0.0	80.7	0.0	26.0	45.1	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	0.0	0.0	0.0	0.0	0.0	0.0
25-Sep-20	138.4	0.9	38.0	105.2	0.0	0.0	0.0	63.5	0.0	31.0	26.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26-Sep-20	130.4	6.3	39.0	97.3	0.5	0.0	0.0	126.4	0.0	29.0	40.2	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	0.0	0.0	0.0	0.0	0.0	0.0
27-Sep-20	83.5	3.4	35.0	96.3	0.5	0.0	0.0	66.3	0.0	23.0	43.1	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	0.0	0.0	0.0	0.0	0.0	0.0
28-Sep-20	150.4	8.6	36.0	67.0	0.5	0.0	0.0	90.6	0.0	22.0	33.2	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	0.0	0.0	0.0	0.0	0.0	0.0
29-Sep-20	155.7	18.6	39.0	44.4	0.5	0.0	0.0	51.7	0.0	26.0	29.5	0.0	0.0	0.2	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	0.0	0.0	0.0
30-Sep-20	186.1	0.0	47.0	122.8	0.5	0.0	0.0	75.5	0.0	21.0	42.4	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	0.0	0.0	0.0	0.0	0.0	0.0
Total	4,212.8	297.7	1,102.0	2,707.0	20.1	46.0	0.0	2,005.5	6.0	863.0	937.7	0.0	0.0	12.8	0.0	0.0	3724.8	0.0	0.0	0.0	352.7	206.0	0.0	0.0	0.0	0.0	0.0	239.3	0.0	0.0

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