

October 30, 2022

Manager of Licensing
Nunavut Water Board
P.O. Box 119
Gjoa Haven, Nunavut X0B 1J0

Resource Management 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 2022**

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

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

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

Monitoring Program

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

Table 1.1 presents a list of samples/monitoring required under the Licence and the details concerning which water quality samples were collected along with sample dates and laboratory identification numbers, as appropriate. Analytical water quality testing results are presented in Tables 2.1 through 2.26. 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 2022.

Monitoring Program Results

Water Sampling and Analysis Results

Tables 2.1 through 2.26 provide the analytical results related to the SNP sampling requirements.

In September 2022, there were no exceedances of applicable water quality criteria observed at monitoring stations during September 2022. There was one sample result for station MS-01B was returned with a lab result for Fecal Coliforms of No Data. See detailed explanation in Table 2.10.

Samples taken at the previously established seepage monitoring point from MS-11 are labeled as KM105-SWMP-SEEP-01 for reporting purposes only.

Flow and Volume Measurements

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

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

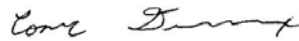
Prepared by:

A handwritten signature in black ink, appearing to read "TS", representing Thomas Sulatycky.

Thomas Sulatycky

Environmental Coordinator

Reviewed by:

A handwritten signature in black ink, appearing to read "Connor Devereaux", representing Connor Devereaux.

Connor Devereaux

Environmental Manager

cc: Omer Pasalic, Jeremy Fraser (CIRNAC)
Chris Spencer, Hugh Karpik (QIA)
Tim Sewell, Megan Lord-Hoyle, Lou Kamermans, Francois Gaudreau, Martin Beausejour, Sylvain Proulx,
Todd Swenson, Kendra Button, Katie Babin, Allison Parker (Baffinland)

Attachments

Attachments – Monthly Water Sampling Results: Table 1.1, Tables 2.1 – 2.26, Table 3.1

Attachments

Monthly Water Sampling Results

Table 1.1: Monitoring Program Water Sampling Summary for September 2022

Monitoring Program Station	Sampling Date	Lab ID Number	Comment
Milne Port			
MP-01 (Sewage Treatment Facility)	2022-09-13	L2732953-1	Discharge volume recorded daily.
MP-0103 (Travel Blank at MP-01)	2022-09-13	L2732953-3	
MP-01A (Polishing Waste Stabilization Pond)	NA	NA	No discharge.
MP-01B (Sewage Treatment Facility)	2022-09-13	L2732973-1	Discharge volume recorded daily.
MP-01B03 (Travel Blank at MP-01B)	2022-09-13	L2732973-3	
MP-MRY-2 (Freshwater Intake at Phillips Creek)	NA	NA	No water withdrawal.
MP-MRY-3 (Freshwater Intake from Km 32 Lake)	NA	NA	Withdrawal volume recorded daily.
MP-02 (Milne Port Maintenance Shop)	NA	NA	No discharge.
MP-03 (Bulk Fuel Storage Facility Stormwater)	NA	NA	No discharge.
MP-04 (Treated Oily Water from Milne Port Landfarm Facility to Tundra)	NA	NA	No discharge.
MP-04A (Treated Oily Water from Milne Port Snow dump Facility to Tundra)	NA	NA	No discharge.
MP-05 Ore Stockpile Sedimentation Pond (East)	2022-09-08	L2732317-1	Discharge volume recorded daily.
MP-0501 (Field Duplicate of MP-05)	2022-09-08	L2732317-2	
MP-06 Ore Stockpile Sedimentation Pond (West)	NA	NA	No discharge.
MP-C-A (Downstream of Construction Area)	NA	NA	No flow.
MP-C-B (Downstream of Construction Area)	2022-09-05 2022-09-13 2022-09-20 2022-09-27	L2732104-4 L2733009-1 L2734090-5 L2734862-3	

Monitoring Program Station	Sampling Date	Lab ID Number	Comment
MP-C-D (Downstream of Construction Area)	NA	NA	No flow.
MP-C-E (Downstream of Construction Area)	NA	NA	No flow.
MP-C-F (Downstream of Construction Area)	NA	NA	No flow.
MP-C-H (Downstream of Construction Area)	2022-09-05 2022-09-13 2022-09-20 2022-09-27	L2732104-5 L2733009-6 L2734090-2 L2734862-2	
QP-CC2 (Field Duplicate of MP-C-H)	2022-09-27	L2734862-1	
MP-C-J (Downstream of Construction Area)	2022-09-05 2022-09-13 2022-09-20	L2732104-1 L2733009-5 L2734090-1	No flow during Sep 27 sampling event.
QP-BF2 (Field Blank at MP-C-J)	2022-09-05	L2732104-2	
MP-C-K (Downstream of Construction Area)	2022-09-05 2022-09-13 2022-09-20	L2732104-3 L2733009-7 L2734090-6	No flow during Sep 27 sampling event.
QP-BT2 (Travel Blank at MP-C-K)	2022-09-20	L2734090-7	
MP-Q1-01 (Downstream of Q1 Quarry)	NA	NA	No discharge.
MP-Q1-02 (Downstream of Q1 Quarry)	2022-09-13 2022-09-20	L2733009-4 L2734090-3	No flow during other scheduled sampling events in September.
QP-BT2 (Travel Blank at MP-Q1-02)	2022-09-13	L2733009-3	
Mary River Mine Site			
MS-01 (Sewage Treatment Facility)	2022-09-13	L2732953-1	Discharge volume recorded daily.
MS-0103 (Travel Blank at MS-01)	2022-09-13	L2732953-3	
MS-01A (Mine Site Polishing Waste Stabilization Pond)	N/A	N/A	Facility not constructed.
MS-01B (Sewage Treatment Facility)	2022-09-13	L2732962-1	Discharge volume recorded daily.
MS-01B03 (Travel Blank at MS-01B)	2022-09-13	L2732962-3	

Monitoring Program Station	Sampling Date	Lab ID Number	Comment
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.
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	No Discharge
MS-06 (Ore Stockpile Pond Stormwater)	2022-09-06	L2731629-1	Discharge volume recorded daily.
MS-07 (Run of Mine Ore Stockpile Pond Stormwater)	NA	NA	No discharge.
MS-08 (Mine Waste Rock Stockpile Pond)	NA	NA	No discharge
MS-09 (Waste Rock Stockpile East Pond)	N/A	N/A	No discharge.
MS-10 (SDLT-1 Pond Ore Stockpile Stormwater)	N/A	N/A	No discharge.
MS-11 (KM105 Pond Stormwater)	2022-09-05	L2731630-1	Discharge volume calculated daily.
MS-12 (Weatherhaven Camp Stormwater)	N/A	N/A	Facility not constructed.
MS-13 (Explosives Magazine Pond)	N/A	N/A	Facility not constructed.
MS-14 (Quarry QMR2 Pond/Sump)	N/A	N/A	Facility not constructed.

Monitoring Program Station	Sampling Date	Lab ID Number	Comment
MS-MRY-6 (Exploration Camp Bulk Fuel Storage Facility Stormwater)	2022-09-02	L2731432-1	Discharge volume recorded daily.
MS-MRY-09 (Deposit 1 Surface Water Drainage)	2022-09-05 2022-09-14	L2731631-3 L2733138-9	No flow during other scheduled sampling events in September and inaccessible due to weather
MS-MRY-10 (Deposit 1 Surface Water Drainage)	N/A	N/A	No flow.
MS-MRY-13A (Downstream Non-Hazardous Landfill)	N/A	N/A	No flow.
MS-MRY-13B (Downstream Non-Hazardous Landfill)	2022-09-07 2022-09-14	L2731871-1 L2733138-2	No flow during other scheduled sampling events in September
MS-C-A (Downstream of Construction and Borrow Areas)	2022-09-05 2022-09-14 2022-09-21	L2731631-11 L2733138-8 L2733828-6	No flow during other scheduled sampling events in September
MS-C-A02 (Field Blank of MS-C-A)	2022-09-21	L2733828-7	
MS-C-B (Downstream of Construction and Borrow Areas)	2022-09-05 2022-09-14 2022-09-21 2022-09-26	L2731631-12 L2733138-10 L2733828-8 L2734375-3	
MS-C-B02 (Field Blank at MS-C-B)	2022-09-05	L2731631-13	
QD_BF1 (Field Blank at MS-C-B)	2022-09-26	L2734375-4	
MS-C-C (Downstream of Construction and Borrow Areas)	2022-09-05 2022-09-15	L2731631-8 L2733138-14	No flow during other scheduled sampling events in September
MS-C-D (Downstream of Construction and Borrow Areas)	2022-09-05 2022-09-15 2022-09-21 2022-09-26	L2731631-6 L2733138-13 L2733828-10 L2734375-2	
MS-C-D03 (Travel Blank at MS-C-D)	2022-09-05	L2731631-7	
MS-C-E (Downstream of Construction and Borrow Areas)	2022-09-05 2022-09-15 2022-09-21 2022-09-26	L2731631-5 L2733138-12 L2733828-9 L2734375-1	

Monitoring Program Station	Sampling Date	Lab ID Number	Comment
MS-C-F (Downstream of Construction and Borrow Areas)	2022-09-05 2022-09-14	L2731631-10 L2733138-11	Frozen during other scheduled sampling events in September.
MS-C-G (Downstream of Construction and Borrow Areas)	2022-09-05 2022-09-14 2022-09-21 2022-09-26	L2731631-4 L2733138-5 L2733828-4 L2734375-5	
MS-C-G03 (Travel Blank at MS-C-G)	2022-09-14 2022-09-21	L2733138-6 L2733828-5	
QD_CC1 (Field Duplicate of MS-C-G)	2022-09-26	L2734375-6	
MS-C-H (Downstream of Construction and Borrow Areas)	2022-09-07	L2731871-2	No flow during other scheduled sampling events in September.
MQ-C-A (Downstream of QMR2 Quarry)	2022-09-05 2022-09-14 2022-09-21	L2731631-1 L2733138-1 L2733828-1	No flow during other scheduled sampling events in September.
MQ-C-B (Downstream of QMR2 Quarry)	2022-09-05 2022-09-14 2022-09-21	L2731631-14 L2733138-7 L2733828-3	No flow during other scheduled sampling events in September.
MQ-C-D (Downstream of QMR2 Quarry)	2022-09-05 2022-09-14 2022-09-21 2022-09-27	L2731631-2 L2733138-3 L2733828-2 L2734532-1	
MQ-C-D02 (Field Blank at MQ-C-D)	2022-09-14	L2733138-4	
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			L2732953-1	L2732953-3
	Sample Date & Time			2022-09-13 13:10	2022-09-13 13:10
	QA/QC Sample Type			N/A	Travel Blank
	Units	LOR	Criteria ¹		
pH	pH units	0.10	6.0 - 9.5	7.97	6.68
Total Suspended Solids	mg/L	1.0	120	<1.0	<1.0
Ammonia, Total (as N)	mg/L	0.010	-	0.051	<0.010
Total Kjeldahl Nitrogen	mg/L	0.050	-	3.42	<0.050
Phosphorus, Total	mg/L	0.06/0.003	-	11.8	0.0047
Fecal Coliforms	CFU/100 mL	-	10,000	0	0
BOD	mg/L	2.0	100	<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 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
	ALS Laboratory Sample ID			L2732973-1	L2732973-3
	Sample Date & Time			2022-09-13 13:40	2022-09-13 13:45
	QA/QC Sample Type			N/A	Travel Blank
	Units	LOR	Criteria ¹		
pH	pH units	0.10	6.0 - 9.5	8.00	6.31
Total Suspended Solids	mg/L	1.0	120	<1.0	1.1
Ammonia, Total (as N)	mg/L	0.010	-	0.044	<0.010
Total Kjeldahl Nitrogen	mg/L	0.50	-	0.194	<0.050
Phosphorus, Total	mg/L	0.030	-	8.23	<0.0030
Fecal Coliforms	CFU/100 mL	-	10,000	0	0
BOD	mg/L	2.0	100	<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 5: Effluent Quality Discharge Limits for Sewage Treatment Facilities to the Ocean

Table 2.3: Water Quality Results for Water Licence Monitoring Location - MP-05

Analyte	Sample ID			MP-05	MP-0501
	ALS Laboratory Sample ID			L2732317-1	L2732317-2
	Sample Date & Time			2022-09-08 15:00	2022-09-08 15:00
	QA/QC Sample Type			N/A	Field Duplicate
	Units	LOR	Criteria ¹		
Hardness (as CaCO ₃)	mg/L	0.5	-	396	386
pH	pH units	0.1	6.0 - 9.5	8.51	8.49
Total Suspended Solids	mg/L	1	15	<1.0	<1.0
Total Dissolved Solids	mg/L	20	-	566	571
Turbidity	NTU	0.1	-	4.4	4.07
Alkalinity, Total (as CaCO ₃)	mg/L	1	-	182	182
Ammonia, Total (as N)	mg/L	0.01	-	0.138	0.12
Chloride (Cl)	mg/L	0.5	-	131	131
Fluoride (F)	mg/L	0.0	-	0.154	0.16
Nitrate (as N)	mg/L	0.0	-	3.69	3.69
Total Kjeldahl Nitrogen	mg/L	0.1	-	0.603	0.579
Phosphorus, Total	mg/L	0.003	-	0.0047	0.0046
Sulfate (SO ₄)	mg/L	0.3	-	114	116
Dissolved Organic Carbon	mg/L	0.5	-	4.95	5.06
Total Organic Carbon	mg/L	0.5	-	5.5	5.72
Aluminum (Al)-Total	mg/L	0.01	-	0.0577	0.0546
Arsenic (As)-Total	mg/L	0.0001	0.50	0.00022	0.00022
Cadmium (Cd)-Total	mg/L	0.000005	-	<0.0000050	<0.0000050
Calcium (Ca)-Total	mg/L	0.05	-	72.8	71.1
Copper (Cu)-Total	mg/L	0.0005	0.30	0.00198	0.00203
Iron (Fe)-Total	mg/L	0.01	-	0.112	0.124
Lead (Pb)-Total	mg/L	0.00005	0.20	0.000121	0.000115
Magnesium (Mg)-Total	mg/L	0.005	-	44.4	44.2
Manganese (Mn)-Total	mg/L	0.001	-	0.0409	0.0407
Mercury (Hg)-Total	mg/L	0.000005	-	<0.0000050	<0.0000050
Molybdenum (Mo)-Total	mg/L	0.000050	-	0.00422	0.0041
Nickel (Ni)-Total	mg/L	0.0005	0.50	0.00122	0.00126
Potassium (K)-Total	mg/L	0.05	-	7.96	8.08
Selenium (Se)-Total	mg/L	0.00005	-	0.000262	0.00022
Sodium (Na)-Total	mg/L	0.05	-	54	53.6
Thallium (Tl)-Total	mg/L	0.00001	-	0.000014	0.000013
Uranium (U)-Total	mg/L	0.00001	-	0.107	0.101
Zinc (Zn)-Total	mg/L	0.003	0.50	0.0094	0.0094
Aluminum (Al)-Dissolved	mg/L	0.005	-	0.0122	0.0103
Arsenic (As)-Dissolved	mg/L	0.0001	-	0.00021	0.0002
Cadmium (Cd)-Dissolved	mg/L	0.000005	-	<0.0000050	<0.0000050
Calcium (Ca)-Dissolved	mg/L	0.05	-	81.1	78.5
Copper (Cu)-Dissolved	mg/L	0.0002	-	0.00188	0.00188
Iron (Fe)-Dissolved	mg/L	0.01	-	0.02	0.014
Lead (Pb)-Dissolved	mg/L	0.00005	-	<0.000050	<0.000050
Magnesium (Mg)-Dissolved	mg/L	0.005	-	47	46.2
Manganese (Mn)-Dissolved	mg/L	0.001	-	0.034	0.0337
Mercury (Hg)-Dissolved	mg/L	0.000005	-	<0.0000050	<0.0000050
Molybdenum (Mo)-Dissolved	mg/L	0.00005	-	0.00422	0.00432
Nickel (Ni)-Dissolved	mg/L	0.0005	-	0.0011	0.00111
Potassium (K)-Dissolved	mg/L	0.050	-	8.48	8.3
Selenium (Se)-Dissolved	mg/L	0.00005	-	0.000232	0.00023
Sodium (Na)-Dissolved	mg/L	0.05	-	56.8	57.5
Thallium (Tl)-Dissolved	mg/L	0.00001	-	0.000013	0.000013
Uranium (U)-Dissolved	mg/L	0.00001	-	0.103	0.109
Zinc (Zn)-Dissolved	mg/L	0.001	-	0.009	0.009
Oil and Grease, Total	mg/L	-	-	-	-
	-	-	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 2.4: 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			L2732104-4	L2733009-1	L2734090-5	L2734862-3
	Sample Date & Time			2022-09-05 10:30	2022-09-13 10:30	2022-09-20 10:40	2022-09-27 10:10
	QA/QC Sample Type			N/A	N/A	N/A	N/A
	Units	LOR	Criteria ¹				
Conductivity	umhos/cm	1.0	-	932	-	-	-
pH	pH units	0.10	6.0 - 9.5	8.45	8.42	7.95	7.80
Total Suspended Solids	mg/L	1.0	Grab 30, Average 15	<1.0	1.5	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	548	523	560	488
Turbidity	NTU	0.10	-	2.75	5.83	2.70	7.80
Ammonia, Total (as N)	mg/L	0.010	-	0.049	-	-	-
Nitrate (as N)	mg/L	0.020	-	3.370	-	-	-
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 2.5: 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	QP-CC2
	ALS Laboratory Sample ID			L2732104-5	L2733009-6	L2734090-2	L2734862-2	L2734862-1
	Sample Date & Time			2022-09-05 11:20	2022-09-13 13:50	2022-09-20 11:10	2022-09-27 8:40	2022-09-27 8:40
	QA/QC Sample Type			N/A	N/A	N/A	N/A	Field Duplicate
	Units	LOR	Criteria ¹					
Conductivity	umhos/cm	1.0	-	569	-	-	-	-
pH	pH units	0.10	6.0 - 9.5	8.56	8.46	8.08	8.05	8.01
Total Suspended Solids	mg/L	1.0	Grab 30, Average 15	<1.0	1.1	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10.0/20.0	-	264	186	260	203	204
Turbidity	NTU	0.10	-	0.45	<0.10	0.59	<0.10	<0.10
Ammonia, Total (as N)	mg/L	0.010	-	0.024	-	-	-	-
Nitrate (as N)	mg/L	0.020	-	0.505	-	-	-	-
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 2.6: Water Quality Results for Water Licence Monitoring Location - MP-C-J

Analyte	Sample ID			MP-C-J	QP-BF2	MP-C-J	MP-C-J
	ALS Laboratory Sample ID			L2732104-1	L2732104-2	L2733009-5	L2734090-1
	Sample Date & Time			2022-09-05 10:00	2022-09-05 10:00	2022-09-13 12:00	2022-09-20 10:10
	QA/QC Sample Type			N/A	Field Blank	N/A	N/A
	Units	LOR	Criteria ¹				
Conductivity	umhos/cm	1	-	438	<1.0	-	-
pH	pH units	0.1	6.0 - 9.5	8.56	5.83	8.43	7.83
Total Suspended Solids	mg/L	1.0	Grab 30, Average 15	<1.0	<1.0	<1.0	<2.0
Total Dissolved Solids	mg/L	10.0/20.0	-	231	<10	223	255
Turbidity	NTU	0.10	-	0.18	<0.10	<0.10	<0.10
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	<0.010	-	-
Nitrate (as N)	mg/L	0.02	-	0.073	<0.020	-	-
Oil and Grease, Total	mg/L	5	-	<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 2.7: Water Quality Results for Water Licence Monitoring Location - MP-C-K

Analyte	Sample ID			MP-C-K	MP-C-K	MP-C-K	QP-BT2
	ALS Laboratory Sample ID			L2732104-3	L2733009-7	L2734090-6	L2734090-7
	Sample Date & Time			2022-09-05 10:30	2022-09-13 11:40	2022-09-20 10:30	2022-09-20 10:30
	QA/QC Sample Type			N/A	N/A	N/A	Travel Blank
	Units	LOR	Criteria ¹				
Conductivity	umhos/cm	1	-	1060	-	-	-
pH	pH units	0.1	6.0 - 9.5	8.47	8.42	7.82	6.48
Total Suspended Solids	mg/L	1.0/2.0	Grab 30, Average 15	<1.0	<1.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10.0 / 20.0	-	710	841	884	16
Turbidity	NTU	0.10	-	0.37	0.49	0.23	<0.10
Ammonia, Total (as N)	mg/L	0.010	-	0.045	-	-	-
Nitrate (as N)	mg/L	0.02	-	0.656	-	-	-
Oil and Grease, Total	mg/L	5	-	<5.0	-	-	-
	-	-	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-Q1-02

Analyte	Sample ID			MP-Q1-02	QP-BT2	MP-Q1-02
	ALS Laboratory Sample ID			L2733009-4	L2733009-3	L2734090-3
	Sample Date & Time			2022-09-13 11:10	2022-09-13 11:10	2022-09-20 9:35
	QA/QC Sample Type			N/A	Travel Blank	N/A
	Units	LOR	Criteria ¹			
Conductivity	umhos/cm	1	-	551	2.1	-
pH	pH units	0.1	6.0 - 9.5	8.38	6.91	7.63
Total Suspended Solids	mg/L	1.0	Grab 30, Average 15	2.4	<1.0	<2.0
Total Dissolved Solids	mg/L	10	-	308	<10	331
Turbidity	NTU	0.10	-	0.24	<0.10	0.35
Ammonia, Total (as N)	mg/L	0.010	-	0.022	<0.010	-
Nitrate (as N)	mg/L	0.02	-	4.100	<0.020	-
Oil and Grease, Total	mg/L	5	-	<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 2.9: Water Quality Results for Water Licence Monitoring Location - MS-01

Analyte	Sample ID			MS-01	MS-0103
	ALS Laboratory Sample ID			L2732953-1	L2732953-3
	Sample Date & Time			2022-09-13 13:10	2022-09-13 13:10
	QA/QC Sample Type			N/A	Travel Blank
	Units	LOR	Criteria ¹		
pH	pH units	0.10	6.0 - 9.5	8.05	6.43
Total Suspended Solids	mg/L	1.0	35	20	<1.0
Ammonia, Total (as N)	mg/L	0.010	4.0	0.237	<0.010
Total Kjeldahl Nitrogen	mg/L	0.050	-	136	<0.050
Phosphorus, Total	mg/L	0.0030	4.0	1.5	<0.0030
Fecal Coliforms	CFU/100 mL	0.0	1,000	11	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 2.10: Water Quality Results for Water Licence Monitoring Location - MS-01B

Analyte	Sample ID			MS-01B	MS-01B03
	ALS Laboratory Sample ID			L2732962-1	L2732962-3
	Sample Date & Time			2022-09-13 15:00	2022-09-13 15:00
	QA/QC Sample Type			N/A	Travel Blank
	Units	LOR	Criteria ¹		
pH	pH units	0.10	6.0 - 9.5	7.80	6.46
Total Suspended Solids	mg/L	1.0	35	7.4	<1.0
Ammonia, Total (as N)	mg/L	0.010	4.0	0.071	<0.010
Total Kjeldahl Nitrogen	mg/L	0.050	-	0.78	<0.050
Phosphorus, Total	mg/L	0.0030	4.0	1.520	<0.0030
Fecal Coliforms	CFU/100 mL	0.0	1,000	NR ²	0
BOD	mg/L	2.0	30	3.1	<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

² The September 13 sample collected at MS-01B came back with a Fecal Coliforms result of result of “No Data: overgrowth with target”. This indicates likely a generic bacterial contamination at the lab made it impossible to accurately count the analysis plate. The lab was able to confirm the absence of Total or Fecal Coliforms, however the interpretation does not match the analysis method requirements and so the test result is rendered invalid. Based on communications with the lab there was no Total or Fecal Coliforms present in the sample.

Table 2.11: Water Quality Results for Water Licence Monitoring Location - MS-06

Analyte	Sample ID			MS-06
	ALS Laboratory Sample ID			L2731629-1
	Sample Date & Time			2022-09-06 11:35
	QA/QC Sample Type			N/A
	Units	LOR	Criteria ¹	
Hardness (as CaCO ₃)	mg/L	0.50		737
pH	pH units	0.10	6.0 - 9.5	7.76
Total Suspended Solids	mg/L	2.0	15	2.6
Total Dissolved Solids	mg/L	10	-	1100
Turbidity	NTU	0.10	-	15.5
Alkalinity, Total (as CaCO ₃)	mg/L	1.0	-	54.6
Ammonia, Total (as N)	mg/L	0.010	-	0.216
Chloride (Cl)	mg/L	2.50	-	48.4
Fluoride (F)	mg/L	0.1	-	0.12
Nitrate (as N)	mg/L	0.1	-	20.1
Total Kjeldahl Nitrogen	mg/L	0.50	-	1.98
Phosphorus, Total	mg/L	0.0030	-	0.0052
Sulfate (SO ₄)	mg/L	1.50	-	557
Dissolved Organic Carbon	mg/L	0.50	-	3.65
Total Organic Carbon	mg/L	0.50	-	3.55
Aluminum (Al)-Total	mg/L	0.05/0.005	-	0.063
Arsenic (As)-Total	mg/L	0.001/0.0001	0.50	<0.0010
Cadmium (Cd)-Total	mg/L	0.0005/0.0000	-	<0.000050
Calcium (Ca)-Total	mg/L	0.5/0.05	-	78.4
Copper (Cu)-Total	mg/L	0.005/0.0005	0.30	<0.0050
Iron (Fe)-Total	mg/L	0.1/0.01	-	0.11
Lead (Pb)-Total	mg/L	0.0005/0.0000	0.20	<0.00050
Magnesium (Mg)-Total	mg/L	0.05/0.005	-	137
Manganese (Mn)-Total	mg/L	0.005/0.0005	-	0.119
Mercury (Hg)-Total	mg/L	0.0000050	-	<0.0000050
Molybdenum (Mo)-Total	mg/L	0.0005	-	0.00464
Nickel (Ni)-Total	mg/L	0.005	0.50	<0.0050
Potassium (K)-Total	mg/L	0.05	-	17.4
Selenium (Se)-Total	mg/L	0.0050	-	0.00198
Sodium (Na)-Total	mg/L	0.50	-	21.4
Thallium (Tl)-Total	mg/L	0.0001	-	<0.00010
Uranium (U)-Total	mg/L	0.00010	-	0.0146
Zinc (Zn)-Total	mg/L	0.03/0.003	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	-	77
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	-	132
Manganese (Mn)-Dissolved	mg/L	0.0050	-	0.064
Mercury (Hg)-Dissolved	mg/L	0.0000050	-	<0.0000050
Molybdenum (Mo)-Dissolved	mg/L	0.00050	-	0.0045
Nickel (Ni)-Dissolved	mg/L	0.0050	-	<0.0050
Potassium (K)-Dissolved	mg/L	0.50	-	17.1
Selenium (Se)-Dissolved	mg/L	0.00050	-	0.00202
Sodium (Na)-Dissolved	mg/L	0.50	-	21.1
Thallium (Tl)-Dissolved	mg/L	0.00010	-	<0.00010
Uranium (U)-Dissolved	mg/L	0.00010	-	0.0145
Zinc (Zn)-Dissolved	mg/L	0.010	-	<0.010
Oil and Grease	mg/L	-	-	-
	-	-	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 2.12: Water Quality Results for Water Licence Monitoring Location - MS-11

Analyte	Sample ID			KM105-SWMP-SEEP-01
	ALS Laboratory Sample ID			L2731630-1
	Sample Date & Time			2022-09-05 14:45
	QA/QC Sample Type			N/A
	Units	LOR	Criteria ¹	
Hardness (as CaCO ₃)	mg/L	0.50	-	490.0
pH	pH units	0.10	6.0 - 9.5	7.7
Total Suspended Solids	mg/L	3.0	15	<2.0
Total Dissolved Solids	mg/L	10.0	-	721.0
Turbidity	NTU	0.10	-	0.4
Alkalinity, Total (as CaCO ₃)	mg/L	1.0	-	122.0
Ammonia, Total (as N)	mg/L	0.5	-	0.0
Chloride (Cl)	mg/L	0.02	-	203.0
Fluoride (F)	mg/L	0.02	-	0.1
Nitrate (as N)	mg/L	0.05	-	2.0
Total Kjeldahl Nitrogen	mg/L	0.003	-	0.2
Phosphorus, Total	mg/L	0.3	-	<0.0030
Sulfate (SO ₄)	mg/L	n/a	-	104.0
Dissolved Organic Carbon	mg/L	0.5	-	2.4
Total Organic Carbon	mg/L	0.5	-	2.0
Aluminum (Al)-Total	mg/L	0.05	-	<0.050
Arsenic (As)-Total	mg/L	0.001	0.50	<0.0010
Cadmium (Cd)-Total	mg/L	0.00005	-	0.0
Calcium (Ca)-Total	mg/L	0.05	-	129.0
Copper (Cu)-Total	mg/L	0.005	0.30	<0.0050
Iron (Fe)-Total	mg/L	0.1	-	<0.10
Lead (Pb)-Total	mg/L	0.0005	0.20	<0.00050
Magnesium (Mg)-Total	mg/L	0.05	-	46.3
Manganese (Mn)-Total	mg/L	0.005	-	0.0
Mercury (Hg)-Total	mg/L	0.000005	-	<0.0000050
Molybdenum (Mo)-Total	mg/L	0.0005	-	0.0
Nickel (Ni)-Total	mg/L	0.005	0.50	<0.0050
Potassium (K)-Total	mg/L	0.5	-	10.0
Selenium (Se)-Total	mg/L	0.0005	-	<0.00050
Sodium (Na)-Total	mg/L	0.5	-	8.1
Thallium (Tl)-Total	mg/L	0.0001	-	<0.00010
Uranium (U)-Total	mg/L	0.0001	-	0.0
Zinc (Zn)-Total	mg/L	0.03/0.003	0.50	<0.030
Aluminum (Al)-Dissolved	mg/L	0.005/0.05	-	<0.0050
Arsenic (As)-Dissolved	mg/L	0.0010	-	0.0
Cadmium (Cd)-Dissolved	mg/L	0.0000050	-	0.0
Calcium (Ca)-Dissolved	mg/L	0.050	-	127.0
Copper (Cu)-Dissolved	mg/L	0.0020	-	0.0
Iron (Fe)-Dissolved	mg/L	0.01/0.10	-	<0.010
Lead (Pb)-Dissolved	mg/L	0.00005/0.005	-	<0.000050
Magnesium (Mg)-Dissolved	mg/L	0.0050	-	41.9
Manganese (Mn)-Dissolved	mg/L	0.00050	-	0.0196
Mercury (Hg)-Dissolved	mg/L	0.0000050	-	<0.0000050
Molybdenum (Mo)-Dissolved	mg/L	0.000050	-	0.015
Nickel (Ni)-Dissolved	mg/L	0.0005/0.005	-	0.001
Potassium (K)-Dissolved	mg/L	0.050	-	9.120
Selenium (Se)-Dissolved	mg/L	0.000005	-	0.0004
Sodium (Na)-Dissolved	mg/L	0.050	-	7.200
Thallium (Tl)-Dissolved	mg/L	0.00001/0.0001	-	0.00002
Uranium (U)-Dissolved	mg/L	0.000010	-	0.037
Zinc (Zn)-Dissolved	mg/L	0.001/0.01	-	0.003
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 2.13: Water Quality Results for Water Licence Monitoring Location - MS-MRY-6

Analyte	Sample ID			MS-MRY-6
	ALS Laboratory Sample ID			L2731432-1
	Sample Date & Time			2022-09-02 15:00
	QA/QC Sample Type			N/A
	Units	LOR	Criteria ¹	
pH	pH units	0.10	-	7.17
Total Suspended Solids	mg/L	2.0	-	<2.0
Lead (Pb)-Total	mg/L	0.00050	0.001	0.00068
Oil and Grease, Total	mg/L	5.0	15.0	<5.0
	-	-	No Visible Sheen	No Visible Sheen
Benzene	ug/L	0.5	371	<0.50
Ethylbenzene	ug/L	0.5	90	<0.50
Toluene	ug/L	0.5	2	<0.50
F1 (C6-C10)	ug/L	25	-	<25
F2 (C10-C16)	ug/L	100	-	<100
F3 (C16-C34)	ug/L	250	-	310
F4 (C34-C50)	ug/L	250	-	<250
Total Petroleum Hydrocarbons (TPH)	ug/L	370	-	<370

Notes:

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

¹Type A Water Licence (2AM-MRY1325 - Amend. 1) - Table 8: Effluent Quality Discharge Limits for the Bulk Fuel Storage Facilities

Table 2.14: Water Quality Results for Water Licence Monitoring Location - MS-MRY-09

Analyte	Sample ID			MS-MRY-09	MS-MRY-09
	ALS Laboratory Sample ID			L2731631-3	L2733138-9
	Sample Date & Time			2022-09-05 10:10	2022-09-14 16:10
	QA/QC Sample Type			N/A	N/A
	Units	LOR	Criteria ¹		
Hardness	mg/L	0.50	-	88.6	-
pH	pH units	0.10	6.0 - 9.5	8.02	7.98
Total Suspended Solids	mg/L	2.0	15	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	119	129
Turbidity	NTU	0.10	-	0.38	0.26
Alkalinity, Total (as CaCO3)	mg/L	1.0	-	88.2	-
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-
Chloride (Cl)	mg/L	0.50	-	1.64	-
Fluoride (F)	mg/L	0.020	-	<0.020	-
Nitrate (as N)	mg/L	0.020	-	0.157	-
Total Kjeldahl Nitrogen	mg/L	0.050	-	0.051	-
Phosphorus, Total	mg/L	0.0030	-	0.0034	-
Sulfate (SO4)	mg/L	0.30	-	5.08	-
Dissolved Organic Carbon	mg/L	0.50	-	3.32	-
Total Organic Carbon	mg/L	0.50	-	1.67	-
Aluminum (Al)-Total	mg/L	0.0050	-	0.0184	-
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	0.050	-	18.3	-
Copper (Cu)-Total	mg/L	0.00050	0.30	0.00204	-
Iron (Fe)-Total	mg/L	0.010	-	0.017	-
Lead (Pb)-Total	mg/L	0.000050	0.20	<0.000050	-
Magnesium (Mg)-Total	mg/L	0.0050	-	11.4	-
Manganese (Mn)-Total	mg/L	0.00050	-	0.00066	-
Mercury (Hg)-Total	mg/L	0.0000050	-	<0.0000050	-
Molybdenum (Mo)-Total	mg/L	0.000050	-	0.00171	-
Nickel (Ni)-Total	mg/L	0.00050	0.50	<0.00050	-
Potassium (K)-Total	mg/L	0.050	-	2.62	-
Selenium (Se)-Total	mg/L	0.000050	-	0.000106	-
Sodium (Na)-Total	mg/L	0.050	-	0.831	-
Thallium (Tl)-Total	mg/L	0.000010	-	0.000015	-
Uranium (U)-Total	mg/L	0.00001	-	0.00924	-
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	0.0000050	-	<0.0000050	-
Calcium (Ca)-Dissolved	mg/L	0.050	-	17.6	-
Copper (Cu)-Dissolved	mg/L	0.00020	-	0.00194	-
Iron (Fe)-Dissolved	mg/L	0.010	-	<0.010	-
Lead (Pb)-Dissolved	mg/L	0.000050	-	<0.000050	-
Magnesium (Mg)-Dissolved	mg/L	0.0050	-	10.9	-
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	-	0.00174	-
Nickel (Ni)-Dissolved	mg/L	0.00050	-	<0.00050	-
Potassium (K)-Dissolved	mg/L	0.050	-	2.45	-
Selenium (Se)-Dissolved	mg/L	0.000050	-	0.000122	-
Sodium (Na)-Dissolved	mg/L	0.050	-	0.79	-
Thallium (Tl)-Dissolved	mg/L	0.000010	-	0.000013	-
Uranium (U)-Dissolved	mg/L	0.000010	-	0.0091	-
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 2.15: Water Quality Results for Water Licence Monitoring Location - MS-MRY-13B

Analyte	Sample ID			MS-MRY-13B	MS-MRY-13B
	ALS Laboratory Sample ID			L2731871-1	L2733138-2
	Sample Date & Time			2022-09-07 15:00	2022-09-14 12:00
	QA/QC Sample Type			N/A	N/A
	Units	LOR	Criteria ¹		
Conductivity	umhos/cm	1.0	-	1620	-
pH	pH units	0.10	6.0 - 9.5	8.04	7.94
Total Suspended Solids	mg/L	2.0	15	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	1150	1150
Turbidity	NTU	0.10	-	0.26	0.14
Alkalinity, Total (as CaCO ₃)	mg/L	1.0	-	240	-
Dissolved Organic Carbon	mg/L	0.50	-	10.10	-
Total Organic Carbon	mg/L	0.50	-	8.95	-
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	0.0001	-	0.0911	-
Cadmium (Cd)-Total	mg/L	0.000050	-	<0.000050	-
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	0.01	-	<0.10	-
Lead (Pb)-Total	mg/L	0.00050	0.20	<0.00050	-
Lithium (Li)-Total	mg/L	0.001	-	0.16	-
Manganese (Mn)-Total	mg/L	0.0005	-	<0.0050	-
Mercury (Hg)-Total	mg/L	0.0000050	-	<0.0000050	-
Molybdenum (Mo)-Total	mg/L	0.00050	-	<0.00050	-
Nickel (Ni)-Total	mg/L	0.0005	0.50	0.0205	-
Selenium (Se)-Total	mg/L	0.00500	-	<0.00050	-
Strontium (Sr)-Total	mg/L	0.001	-	0.246	-
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	0.00001	-	0.0227	-
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	-	<0.0010	-
F1 (C6-C10)	ug/L	25	-	<25	-
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	370	-	<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 2.16: 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-A02
	ALS Laboratory Sample ID			L2731631-11	L2733138-8	L2733828-6	L2733828-7
	Sample Date & Time			2022-09-05 15:20	2022-09-14 15:35	2022-09-21 14:40	2022-09-21 14:40
	QA/QC Sample Type			N/A	N/A	N/A	Field Blank
	Units	LOR	Criteria ¹				
Conductivity	umhos/cm	1.0	-	705.0	-	-	-
pH	pH units	0.10	6.0 - 9.5	7.88	7.83	7.84	5.97
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	-	442	443	415	23
Turbidity	NTU	0.10	-	0.18	<0.10	<0.10	<0.10
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-	-	-
Nitrate (as N)	mg/L	0.020	-	1.45	-	-	-
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 2.17: Water Quality Results for Water Licence Monitoring Location - MS-C-B

Analyte	Sample ID			MS-C-B	MS-C-B02	MS-C-B	MS-C-B	MS-C-B	QD_BF1
	ALS Laboratory Sample ID			L2731631-12	L2731631-13	L2733138-10	L2733828-8	L2734375-3	L2734375-4
	Sample Date & Time			2022-09-05 16:05	2022-09-05 16:05	2022-09-14 16:30	2022-09-21 15:15	2022-09-26 11:15	2022-09-26 11:15
	QA/QC Sample Type			N/A	Field Blank	N/A	N/A	N/A	Field Blank
	Units	LOR	Criteria ¹						
Conductivity	umhos/cm	1.0	-	700	<1.0	-	-	-	-
pH	pH units	0.10	6.0 - 9.5	7.74	5.96	7.71	7.7	7.76	7.12
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	451	31	468	418	360	15
Turbidity	NTU	0.10	-	0.13	<0.10	<0.10	<0.10	0.18	0.12
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	<0.010	-	-	-	-
Nitrate (as N)	mg/L	0.020	-	1.470	<0.020	-	-	-	-
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 2.18: Water Quality Results for Water Licence Monitoring Location - MS-C-C

Analyte	Sample ID			MS-C-C	MS-C-C
	ALS Laboratory Sample ID			L2731631-8	L2733138-14
	Sample Date & Time			2022-09-05 16:15	2022-09-15 10:45
	QA/QC Sample Type			N/A	N/A
	Units	LOR	Criteria ¹		
Conductivity	umhos/cm	3.0	-	1040	-
pH	pH units	0.10	6.0 - 9.5	8.04	7.95
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	4.4	<2.0
Total Dissolved Solids	mg/L	10	-	695	760
Turbidity	NTU	0.10	-	1.95	0.35
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-
Nitrate (as N)	mg/L	0.020	-	8.01	-
Oil and Grease, Total	mg/L	2.0/5.0	-	<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 2.19: Water Quality Results for Water Licence Monitoring Location - MS-C-D

Analyte	Sample ID			MS-C-D	MS-C-D03	MS-C-D	MS-C-D	MS-C-D
	ALS Laboratory Sample ID			L2731631-6	L2731631-7	L2733138-13	L2733828-10	L2734375-2
	Sample Date & Time			2022-09-05 14:15	2022-09-05 14:15	2022-09-15 10:25	2022-09-21 16:15	2022-09-26 11:15
	QA/QC Sample Type			N/A	Travel Blank	N/A	N/A	N/A
	Units	LOR	Criteria ¹					
Conductivity	umhos/cm	3.0	-	917	<1.0	-	-	-
pH	pH units	0.10	6.0 - 9.5	8.34	6.13	8.35	8.25	7.98
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	2.0	<2.0	2.4	4.8	5.1
Total Dissolved Solids	mg/L	10	-	579	35	606	697	496
Turbidity	NTU	0.10	-	3.63	<0.10	2.85	5.07	23.4
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	<0.010	-	-	-
Nitrate (as N)	mg/L	0.020	-	4.83	<0.020	-	-	-
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 2.20: 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
	ALS Laboratory Sample ID			L2731631-5	L2733138-12	L2733828-9	L2734375-1
	Sample Date & Time			2022-09-05 14:00	2022-09-15 9:20	2022-09-21 16:00	2022-09-26 11:15
	QA/QC Sample Type			N/A	N/A	N/A	N/A
	Units	LOR	Criteria ¹				
Conductivity	umhos/cm	1.0	-	1040	-	-	-
pH	pH units	0.10	6.0 - 9.5	7.97	7.75	7.7	7.68
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10/20	-	714	681	755	595
Turbidity	NTU	0.10	-	0.72	0.58	0.92	3.81
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-	-	-
Nitrate (as N)	mg/L	0.020	-	5.9	-	-	-
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 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-F

Analyte	Sample ID			MS-C-F	MS-C-F
	ALS Laboratory Sample ID			L2731631-10	L2733138-11
	Sample Date & Time			2022-09-05 15:20	2022-09-14 16:50
	QA/QC Sample Type			N/A	N/A
	Units	LOR	Criteria ¹		
Conductivity	umhos/cm	1.0	-	865	-
pH	pH units	0.10	6.0 - 9.5	8.01	8.00
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	536	530
Turbidity	NTU	0.10	-	0.89	0.52
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-
Nitrate (as N)	mg/L	0.020	-	1.72	-
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 2.22: Water Quality Results for Water Licence Monitoring Location - MS-C-G

Analyte	Sample ID			MS-C-G	MS-C-G	MS-C-G03	MS-C-G	MS-C-G03	MS-C-G	QD_CC1
	ALS Laboratory Sample ID			L2731631-4	L2733138-5	L2733138-6	L2733828-4	L2733828-5	L2734375-5	L2734375-6
	Sample Date & Time			2022-09-05 12:10	2022-09-14 14:10	2022-09-14 14:10	2022-09-21 12:30	2022-09-21 12:30	2022-09-26 11:15	2022-09-26 11:15
	QA/QC Sample Type			N/A	N/A	Travel Blank	N/A	Travel Blank	N/A	Field Duplicate
	Units	LOR	Criteria ¹							
Conductivity	umhos/cm	1.0	-	273.0	-	-	-	-	-	-
pH	pH units	0.10	6.0 - 9.5	7.6	7.42	5.86	7.49	5.94	7.63	7.63
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	161	130	<10	159	17	139	135
Turbidity	NTU	0.10	-	<0.10	0.16	<0.10	<0.10	0.13	0.4	0.25
Ammonia, Total (as N)	mg/L	0.050	-	2.08	-	-	-	-	-	-
Nitrate (as N)	mg/L	0.020	-	7.94	-	-	-	-	-	-
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 2.23: Water Quality Results for Water Licence Monitoring Location - MS-C-H

Analyte	Sample ID			MS-C-H
	ALS Laboratory Sample ID			L2731871-2
	Sample Date & Time			2022-09-07 16:00
	QA/QC Sample Type			N/A
	Units	LOR	Criteria ¹	
Conductivity	umhos/cm	1.0	-	273.0
pH	pH units	0.10	6.0 - 9.5	8.18
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0
Total Dissolved Solids	mg/L	10	-	150
Turbidity	NTU	0.10	-	0.71
Ammonia, Total (as N)	mg/L	0.050	-	0.011
Nitrate (as N)	mg/L	0.020	-	0.089
Oil and Grease, Total	mg/L	5.0	-	<5.0
	-	-	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 - MQ-C-A

Analyte	Sample ID			MQ-C-A	MQ-C-A	MQ-C-A
	ALS Laboratory Sample ID			L2731631-1	L2733138-1	L2733828-1
	Sample Date & Time			2022-09-05 8:00	2022-09-14 12:00	2022-09-21 10:50
	QA/QC Sample Type			N/A	N/A	N/A
	Units	LOR	Criteria ¹			
Conductivity	umhos/cm	1.0	-	399.0	-	-
pH	pH units	0.10	6.0 - 9.5	8.1	8.08	8.09
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	237	187	219
Turbidity	NTU	0.10	-	0.12	0.24	<0.10
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 Visble 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-B

Analyte	Sample ID			MQ-C-B	MQ-C-B	MQ-C-B
	ALS Laboratory Sample ID			L2731631-14	L2733138-7	L2733828-3
	Sample Date & Time			2022-09-05 16:35	2022-09-14 14:40	2022-09-21 12:15
	QA/QC Sample Type			N/A	N/A	N/A
	Units	LOR	Criteria ¹			
Conductivity	umhos/cm	1.0	-	445.0	-	-
pH	pH units	0.10	6.0 - 9.5	8.14	8.03	7.89
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	227	269	299
Turbidity	NTU	0.10	-	2.27	1.83	1.92
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-	-
Nitrate (as N)	mg/L	0.020	-	1.47	-	-
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	-	-	-

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

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

Analyte	Sample ID			MQ-C-D	MQ-C-D	MQ-C-D02	MQ-C-D	MQ-C-D
	ALS Laboratory Sample ID			L2731631-2	L2733138-3	L2733138-4	L2733828-2	L2734532-1
	Sample Date & Time			2022-09-05 8:25	2022-09-14 13:05	2022-09-14 13:05	2022-09-21 11:10	2022-09-27 10:10
	QA/QC Sample Type			N/A	N/A	Field Blank	N/A	N/A
	Units	LOR	Criteria ¹					
Conductivity	umhos/cm	1.0	-	338.0	-	-	-	-
pH	pH units	0.10	6.0 - 9.5	7.92	8.11	6.0	8.0	7.63
Total Suspended Solids	mg/L	2.0	Grab 30, Average 15	<2.0	3.3	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	191	202	<10	200	221
Turbidity	NTU	0.10	-	4.78	4.34	<0.10	4.07	4.56
Ammonia, Total (as N)	mg/L	0.010	-	<0.010	-	-	-	-
Nitrate (as N)	mg/L	0.020	-	0.660	-	-	-	-
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
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 2022

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/Off-Spec Effluent Removed from Mine Site WWTPs 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)	Water Use for Dust Suppression from Authorized Sources (m ³) ¹	Effluent Discharge from Mine Site Crusher Pad Sedimentation Pond (MS-06) (m ³)	Effluent Discharge from KM105 Surface Water Management Pond (MS-11) (m ³)	Effluent Discharge from Milne Port Ore Stockpile Sedimentation Pond (East) to Milne Inlet (MP-05) (m ³)	Treated Oily Water from Exploration Camp Bulk Fuel Storage Facility to Tundra (MS-MRY-6) (m ³)
1-Sep-22	154.1	9.1	31.0	166.4	1.0	0.0	64.4	0.0	25.0	36.6	1.3	0.0	0.0	1,054.8	0.0	0.0
2-Sep-22	25.2	9.1	35.0	151.8	1.2	0.0	53.8	0.0	24.0	30.0	1.3	0.0	0.0	1,027.3	0.0	3.8
3-Sep-22	147.8	9.8	35.0	147.6	1.3	6.0	55.2	0.0	14.0	44.5	1.3	0.0	0.0	1,275.7	0.0	18.9
4-Sep-22	190.9	4.2	32.0	128.9	1.2	0.0	55.0	0.0	22.0	44.6	1.3	0.0	0.0	1,404.5	0.0	28.4
5-Sep-22	180.2	7.6	33.0	144.0	1.3	0.0	54.2	0.0	20.0	26.9	1.3	0.0	0.0	1,461.1	0.0	23.8
6-Sep-22	170.4	24.1	36.0	156.3	1.0	0.0	55.7	0.0	15.0	24.4	1.3	0.0	26.2	1,437.6	0.0	14.8
7-Sep-22	149.1	0.0	38.0	154.8	1.1	0.0	62.5	0.0	18.0	44.7	1.3	0.0	0.0	1,403.7	0.0	20.1
8-Sep-22	161.1	15.0	40.0	162.2	1.1	0.0	56.1	0.0	22.0	41.6	1.3	0.0	0.0	1,361.7	14.0	6.1
9-Sep-22	173.7	10.0	38.0	166.2	1.1	0.0	42.1	1.0	21.0	29.3	1.3	0.0	8.3	1,429.9	21.3	0.0
10-Sep-22	154.2	16.3	38.0	171.7	1.6	0.0	47.5	0.0	20.0	38.4	1.3	0.0	0.0	1,652.3	0.0	0.0
11-Sep-22	148.0	10.4	38.0	184.3	1.2	0.0	42.3	0.0	20.0	30.5	1.3	0.0	27.7	2,091.4	0.0	0.0
12-Sep-22	149.5	15.8	36.0	156.5	1.7	0.0	72.7	0.0	21.0	37.7	1.3	121.1	25.7	1,980.2	0.0	0.0
13-Sep-22	147.1	15.5	36.0	160.0	1.7	0.0	54.5	0.0	19.0	32.2	0.3	454.2	37.7	1,685.0	62.3	0.0
14-Sep-22	152.9	10.6	37.0	162.3	1.6	0.0	79.1	0.0	22.0	41.4	0.3	363.4	0.0	1,407.5	59.8	0.0
15-Sep-22	144.3	10.0	27.0	150.8	1.1	0.0	48.9	2.0	26.0	45.8	1.3	212.0	0.0	1,311.6	33.0	0.0
16-Sep-22	170.3	12.1	30.0	156.3	1.3	0.0	40.3	0.0	25.0	33.7	1.3	0.0	20.9	1,215.8	42.3	0.0
17-Sep-22	150.0	14.3	33.0	156.4	1.5	0.0	84.5	0.0	21.0	30.2	1.3	0.0	0.0	1,119.9	55.3	0.0
18-Sep-22	185.2	7.5	37.0	163.0	1.7	0.0	76.3	0.0	18.0	28.5	1.3	0.0	0.0	1,024.1	73.9	0.0
19-Sep-22	196.9	25.3	40.0	158.0	1.5	0.0	52.0	0.0	21.0	40.3	1.3	0.0	0.0	928.3	52.3	0.0
20-Sep-22	121.7	10.2	38.0	135.4	1.3	0.0	47.3	0.0	22.0	36.9	0.3	0.0	0.0	832.4	19.9	0.0
21-Sep-22	166.6	5.6	21.0	147.0	0.8	0.0	67.3	2.0	24.0	44.4	1.3	0.0	0.0	736.6	0.0	0.0
22-Sep-22	148.1	8.4	24.0	148.7	0.8	0.0	43.2	0.0	23.0	32.9	1.3	0.0	0.0	696.5	0.0	0.0
23-Sep-22	132.6	6.7	39.0	139.2	0.8	0.0	70.3	0.0	20.0	36.8	0.0	0.0	0.0	656.4	0.0	0.0
24-Sep-22	119.8	4.3	34.0	131.0	1.3	0.9	61.0	0.0	19.0	34.1	1.3	0.0	0.0	616.3	0.0	0.0
25-Sep-22	137.6	4.8	34.0	133.2	1.7	0.0	56.8	0.0	21.0	35.1	1.0	0.0	0.0	576.2	0.0	0.0
26-Sep-22	137.7	5.4	36.0	141.8	1.6	0.0	57.0	0.0	25.0	35.7	1.3	0.0	0.0	536.1	0.0	0.0
27-Sep-22	138.3	11.0	35.0	151.3	1.8	0.0	53.9	0.0	23.0	39.3	1.3	0.0	0.0	496.1	0.0	0.0
28-Sep-22	77.1	2.0	28.0	133.6	0.9	0.0	60.2	0.0	25.0	28.3	1.0	0.0	0.0	456.0	0.0	0.0
29-Sep-22	171.8	2.6	42.0	140.8	0.9	0.0	52.2	0.0	23.0	42.6	1.3	0.0	0.0	699.0	0.0	0.0
30-Sep-22	156.2	0.0	39.0	138.5	0.7	0.0	60.9	0.0	20.0	26.1	1.0	0.0	0.0	629.1	0.0	0.0
Total	4,458.0	287.6	1,040.0	4,538.0	37.4	6.9	1,727.1	5.0	639.0	1,073.2	33.2	1,150.7	146.6	33,203.0	434.1	115.8

Notes:
WWTP - Waste Water Treatment Plant
PWSP - Polishing Waste Stabilization Pond
¹ Includes water use for dust suppression from authorized water sources only. Some previous monthly water licence reports incorrectly included water from recycled water sources in the daily water use volumes present for dust suppression in Table 3.