



August 30, 2018

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

Water Resources Officer, CIRNAC
Nunavut District, Nunavut Region
P.O. Box 100
Iqaluit, NU X0A 0H0

RE: Water Licence 2AM-MRY1325 Monthly SNP Report – July 2018

The following is the monthly report for July 2018 as required under Part I, Item 21 of the Type 'A' Water Licence 2AM-MRY1325 (the Licence). Part I, Item 21 of the above referenced Water Licence 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 July 2018, water samples were collected as part of the Water Licence Monitoring Program.

Table 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 Table 2. Volumes consumed for domestic and industrial water purposes and the volumes of effluent discharged at the Mary River Mine Site and Milne Port Camp are presented in the attached Table 3.

Monitoring Program Results

A) Water Sampling and Analysis Results

Table 2 provides the analytical results related to the Monitoring Program sampling requirements for July 2018. There were no exceedences of the applicable criteria during the sampling period.

B) Flow and Volume Measurements

Table 3 provides a breakdown of volume measurements as requested in Part I, Item 9 of the Water Licence for July 2018.

We trust that the information provided in this monthly report is acceptable and should you have any questions regarding this report please contact myself, William Bowden (ext. 6010), or Timothy Ray Sewell at 416.364.8820 ext. 6054.

Regards,

Reviewed by:

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

Connor Devereaux
Environmental Superintendent

A handwritten signature in black ink, appearing to read 'Christopher Murray'.

Christopher Murray
Environmental & Regulatory Compliance Manager

Attach: Tables 1, 2, and 3

Cc: Jonathon Mesher, Ian Parsons (CIRNAC); Grant Goddard, Megan Lord-Hoyle, Timothy Ray Sewell, Sylvain Proulx, Gerald Rogers, Francois Gaudrau, William Bowden (Baffinland); Fai Ndofor, Sean Joseph (QIA);

Table 1: Monitoring Program Water Sampling Summary for July 2018

Monitoring Program Station	Sampling Date	Lab ID#	Comment
Milne Port			
MP-01 (Sewage Treatment Facility)	7/4/2018	L2124906-1	Discharge volume reported daily
MP-MRY-3 (Freshwater Intake from Km 32 Lake - Winter)	N/A	N/A	Volume reported daily during discharge
MP-MRY-04 (RBC at Exploration Camp)	N/A	N/A	Facility Inactive
MP-03 (Bulk Fuel Storage Facility Stormwater)	N/A	N/A	Volume reported daily during discharge
MP-04 (Landfarm Facility & Snow Containment Facility)	N/A	N/A	Volume reported daily during discharge. No discharge occurred.
MP-05 (Ore Stockpile Sedimentation Pond (East))	7/3/2018	L2123842-1	Volume reported daily during discharge
MP-0501 (Field Duplicate of MP-05)	7/3/2018	L2123842-2	Volume reported daily during discharge
MP-06 (Ore Stockpile Sedimentation Pond (West))	N/A	N/A	Volume reported daily during discharge
MP-MRY-12 (Bulk Sample Stockpile Area Seepage)	N/A	N/A	No flow, location is being retired due to lack of flow
MP-C-A (Downstream of Construction Area)	N/A	N/A	No flow, location is being retired due to lack of flow
MP-C-B (Downstream of Construction Area)	7/2/2018 7/10/2018 7/17/2018 7/23/2018	L2123843-7 L2128204-6 L2131995-8 L2137113-7 L2141875-7	
MP-C-B01 (Downstream of Construction Area)	7/2/2018 7/10/2018 7/17/2018 7/23/2018	L2123843-6 L2128204-5 L2131995-7 L2137113-6 L2141875-6	
MP-C-D (Downstream of Construction Area)	N/A	N/A	No flow, location is being retired due to lack of flow.
MP-C-E (Downstream of Construction Area)	N/A	N/A	No flow, location is being retired due to lack of flow.
MP-C-F (Downstream of Construction Area)	N/A	N/A	No flow.
MP-C-H (Downstream of Construction Area)	7/2/2018 7/10/2018 7/17/2018 7/23/2018	L2123843-1 L2128204-1 L2131995-1 L2137113-1 L2141875-1	

Monitoring Program Station	Sampling Date	Lab ID#	Comment
MP-C-H01 (Field Duplicate of MP-C-H)	7/10/2018	L2128204-2	
MP-Q1-01 (Downstream of Q1 Quarry)	7/3/2018 7/10/2018 7/17/2018 7/23/2018	L2123843-9 L2128204-8 L2131995-10 L2137113-9 L2137113-3 L2141875-9	
MP-Q1-0101 (Field Duplicate of MP-Q1-01)	7/23/2018	L2137113-3	
MP-Q1-02 (Downstream of Q1 Quarry)	7/2/2018 7/11/2018 7/17/2018 7/23/2018	L2123843-2 L2128381-1 L2131995-2 L2137113-2 L2141875-2	
MP-Q1-0201 (Field Duplicate of MP-Q1-02)	7/17/2018	L2131995-3	

Mary River Mine Site			
MS-01 (Sewage Treatment Facility)	7/04/2018	L2124925-1	Discharge volume reported daily
MS-01b (Sewage Treatment Facility)	7/04/2018	L2124920-1	Discharge volume reported daily
MS-MRY-1 (Freshwater Intake Camp Lake)	N/A	N/A	Withdrawal volume reported daily
MS-MRY-04a	N/A	N/A	Volume reported daily during discharge. No discharge occurred.
MS-MRY-04b	N/A	N/A	Volume reported daily during discharge. No discharge occurred.
MS-MRY-04c	N/A	N/A	Volume reported daily during discharge. No discharge occurred.
MS-03 (Milne Site Bulk Fuel Storage Facility Stormwater)	N/A	N/A	Volume reported daily during discharge
MS-06 (Ore Stockpile Pond Stormwater)	7/2/2018 7/11/2018 7/18/2018 7/26/2018	L2122094-2 L2127561-1 L2132032-2 L2136756-1	Volume reported daily during discharge
MS-0601 (Field Duplicate of MS-06)	7/11/2018	L2127561-2	Volume reported daily during discharge
MS-08 (Mine Waste Rock Stockpile pond)	7/3/2018 7/11/2018 7/16/2018 7/24/2018	L2122725-1 L2133777-1 L2127393-1 L2130194-1 L2136309-1	Volume reported daily during discharge
MS-0801 (Field Duplicate of MS-08)	7/11/2018 7/24/2018	L2127393-2 L2136309-2	Volume reported daily during discharge
MS-MRY-6 (Exploration Camp Bladder Farm Stormwater)	N/A	N/A	Volume reported daily during discharge
MS-MRY-09 (Bulk Sample Pit)	N/A	N/A	No flow.

MS-MRY-10 (Weathered Ore Bulk Sample Stockpile)	N/A	N/A	No flow.
MS-MRY-11 (Processing Bulk Sample Stockpile)	N/A	N/A	Area is being retired due to lack of flows
MS-MRY-13A (Downstream Non-Hazardous Landfill)	7/4/2018 7/9/2018 7/16/2018	L2124774-11 L2126016-7 L2131286-9	
MS-MRY-13B (Downstream Non-Hazardous Landfill)	7/4/2018 7/9/2018 7/16/2018 7/23/2018	L2124774-12 L2126016-8 L2131286-10 L2136320-10	
MS-C-A (Downstream of Construction and Borrow Areas)	7/3/2018 7/9/2018 7/16/2018 7/24/2018	L2124774-6 L2126016-3 L2131286-6 L2136320-11	
MS-C-B (Downstream of Construction and Borrow Areas)	7/3/2018 7/9/2018 7/16/2018 7/24/2018	L2124774-4 L2126016-1 L2131286-7 L2136320-12	
MS-C-C (Downstream of Construction and Borrow Areas)	7/4/2018 7/9/2018 7/16/2018 7/23/2018	L2124774-15 L2126016-11 L2131286-2 L2136320-7	
MS-C-D (Downstream of Construction and Borrow Areas)	7/4/2018 7/9/2018 7/18/2018 7/23/2018	L2124774-10 L2126016-6 L2132023-8 L2136320-2	
MS-C-D02 (Field Blank of MS-C-D)	7/9/2018	L2126016-4	
MS-C-E (Downstream of Construction and Borrow Areas)	7/3/2018 7/9/2018 7/16/2018 7/23/2018	L2124774-5 L2126016-2 L2131286-1 L2136320-9	
MS-C-F (Downstream of Construction and Borrow Areas)	7/4/2018 7/9/2018 7/16/2018 7/23/2018	L2124774-9 L2126016-5 L2131286-8 L2136320-8	
MS-C-G (Downstream of Construction and Borrow Areas)	7/4/2018 7/9/2018 7/16/2018 7/23/2018	L2124774-8 L2126016-10 L2131286-5 L2136320-3	
MS-C-G01 (Field Duplicate of MS-C-G)	7/4/2018	L2124774-8	
MS-C-G02 (Field Blank of MS-C-G)	7/16/2018	L2131286-4	
MS-C-H (Downstream of Construction and Borrow Areas)	7/4/2018 7/9/2018 7/16/2018 7/23/2018	L2124774-13 L2126016-9 L2131286-3 L2136320-4	
MS-C-H01 (Field Duplicate of MS-C-H)	7/4/2018	L2124774-7	
MS-D1-01 (Downstream of Waste Rock Stockpile)	6/30/2018 7/10/2018 7/12/2018 7/18/2018	L2124812-2 L2127409-3 L2128374-1 L2132023-1	

MQ-C-A (Downstream of QMR2 Quarry)	7/4/2018 7/10/2018 7/16/2018 7/23/2018	L2124774-2 L2127409-7 L2131286-12 L2136320-1	
MQ-C-B (Downstream of QMR2 Quarry)	7/3/2018 7/10/2018 7/18/2018 7/23/2018	L2124774-1 L2127409-6 L2132023-6 L2136320-5	
MQ-C-B02 (Field Blank of MQ-C-B)	7/18/2018	L2132023-7	
MQ-C-B01 (Duplicate of MQ-C-B)	7/16/2018	L2131286-13	
MQ-C-D (Downstream of QMR2 Quarry)	7/3/2018 7/10/2018 7/16/2018 7/23/2018	L2124774-3 L2127409-5 L2131286-14 L2136320-6	
MQ-C-D01 (Field Duplicate of MQ-C-D01)	7/10/2018	L2127409-1	
MQ-C-E (Downstream of QMR2 Quarry)	7/10/2018 7/16/2018 7/24/2018	L2127409-4 L2131286-15 L2136320-13	
Steensby Port			
Steensby Exploration Camp is presently not active.	N/A	N/A	

TABLE 2.1 - WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATION - MP-01

Analyte	Sample ID			MP-01
	ALS Laboratory Sample ID			L2124906-1
	Sample Date & Time			7/4/2018 1:45:00 PM
	QA/QC Sample Type			N/A
	Units	LOR	Water Licence Criteria ¹	
pH	pH units	0.1	6.0 - 9.5	7.4
Total Suspended Solids	mg/L	2	<120	6.8
Alkalinity, Total (as CaCO ₃)	mg/L	10	-	66
Ammonia, Total (as N)	mg/L	0.02	-	0.086
Total Kjeldahl Nitrogen	mg/L	0.15	-	3.13
Phosphorus, Total	mg/L	0.003	-	11.4 *
Fecal Coliforms	CFU/100mL	0	10,000	0 *
BOD	mg/L	2	100	2.4
COD	mg/L	10	-	47
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0

Notes:

Grey and bold highlight indicate results that exceeded the applicable water quality criteria.

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

TABLE 2.2 - WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATION - MP-05

Analyte	Sample ID			MP-05	MP-0501
	ALS Laboratory Sample ID			L2123842-1	L2123842-2
	Sample Date & Time			7/3/2018 1:35:00 PM	7/3/2018 1:35:00 PM
	QA/QC Sample Type			N/A	Duplicate
	Units	LOR	Water Licence Criteria ¹		
Hardness (as CaCO3)	mg/L	10	-	351	350
pH	pH units	0.1	6.0 - 9.5	8.22	8.23
Total Suspended Solids	mg/L	2	15	3.2	3.2
Total Dissolved Solids	mg/L	20	-	669 *	663 *
Turbidity	NTU	0.1	-	14.3	13.6
Alkalinity, Total (as CaCO3)	mg/L	10	-	109	112
Ammonia, Total (as N)	mg/L	0.02	-	0.042	0.041
Chloride (Cl)	mg/L	0.5	-	199	199
Fluoride (F)	mg/L	0.02	-	0.221	0.25
Nitrate (as N)	mg/L	0.02	-	8.82	8.79
Total Kjeldahl Nitrogen	mg/L	0.15	-	0.57 *	0.54 *
Phosphorus, Total	mg/L	0.003	-	0.0077	0.0095
Sulfate (SO4)	mg/L	0.3	-	126	125
Dissolved Organic Carbon	mg/L	1	-	4.32	3.55
Total Organic Carbon	mg/L	1	-	3.63	3.97
Aluminum (Al)-Total	mg/L	0.01	-	0.215	0.167
Arsenic (As)-Total	mg/L	0.0001	0.5	0.00023	0.00023
Cadmium (Cd)-Total	mg/L	0.00001	-	<0.000010	<0.000010
Calcium (Ca)-Total	mg/L	0.5	-	65.3	65.9
Copper (Cu)-Total	mg/L	0.001	0.3	0.0016	0.0015
Iron (Fe)-Total	mg/L	0.05	-	0.261	0.199
Lead (Pb)-Total	mg/L	0.0001	0.2	0.00025	0.00024
Magnesium (Mg)-Total	mg/L	0.05	-	41.8	42.9
Manganese (Mn)-Total	mg/L	0.0005	-	0.0228	0.0218
Mercury (Hg)-Total	mg/L	0.00001	-	<0.000010	<0.000010
Molybdenum (Mo)-Total	mg/L	0.00005	-	0.00579	0.00577
Nickel (Ni)-Total	mg/L	0.0005	0.5	0.00118	0.00107
Potassium (K)-Total	mg/L	0.05	-	11.2	11
Selenium (Se)-Total	mg/L	0.00005	-	0.000201	0.000188
Sodium (Na)-Total	mg/L	0.5	-	87.8	88.6
Thallium (Tl)-Total	mg/L	0.00001	-	0.000022	0.000019
Uranium (U)-Total	mg/L	0.00001	-	0.0325	0.0336
Zinc (Zn)-Total	mg/L	0.003	0.5	0.0043	0.0041
Dissolved Mercury Filtration Location		n/a	-	FIELD	FIELD
Dissolved Metals Filtration Location		n/a	-	FIELD	FIELD
Aluminum (Al)-Dissolved	mg/L	0.005	-	0.0194	0.0211
Arsenic (As)-Dissolved	mg/L	0.0001	-	0.00021	0.0002
Cadmium (Cd)-Dissolved	mg/L	0.00001	-	<0.000010	<0.000010
Calcium (Ca)-Dissolved	mg/L	0.05	-	67.8	66.3
Copper (Cu)-Dissolved	mg/L	0.0002	-	0.00128	0.00129
Iron (Fe)-Dissolved	mg/L	0.01	-	<0.010	<0.010
Lead (Pb)-Dissolved	mg/L	0.00005	-	<0.000050	<0.000050
Magnesium (Mg)-Dissolved	mg/L	0.05	-	44.2	44.7
Manganese (Mn)-Dissolved	mg/L	0.0005	-	0.00671	0.00685
Mercury (Hg)-Dissolved	mg/L	0.00001	-	<0.000010	<0.000010
Molybdenum (Mo)-Dissolved	mg/L	0.00005	-	0.0055	0.00554
Nickel (Ni)-Dissolved	mg/L	0.0005	-	0.00079	0.00081
Potassium (K)-Dissolved	mg/L	0.05	-	11.8	11.9
Selenium (Se)-Dissolved	mg/L	0.00005	-	0.000205	0.000201
Sodium (Na)-Dissolved	mg/L	0.5	-	94.4	92.6
Thallium (Tl)-Dissolved	mg/L	0.00001	-	0.00002	0.000017
Uranium (U)-Dissolved	mg/L	0.00001	-	0.0328	0.0333
Zinc (Zn)-Dissolved	mg/L	0.001	-	0.0022	0.0024

Notes:

Grey and 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 2.3 - WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATION - MS-01

Analyte	Sample ID			MS-01
	ALS Laboratory Sample ID			L2124925-1
	Sample Date & Time			7/4/2018 2:40:00 PM
	QA/QC Sample Type			N/A
	Units	LOR	Water Licence Criteria ¹	
pH	pH units	0.1	6.0 - 9.5	7.62
Total Suspended Solids	mg/L	2	35	<2.0
Alkalinity, Total (as CaCO ₃)	mg/L	10	-	89
Ammonia, Total (as N)	mg/L	0.02	4	1.24 *
Total Kjeldahl Nitrogen	mg/L	0.15	-	2.92
Phosphorus, Total	mg/L	0.003	4	1.28 *
Fecal Coliforms	CFU/100mL	0	1,000	9
BOD	mg/L	2	30	2.3
COD	mg/L	10	-	36
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0

Notes:

Grey and bold highlight indicate results that exceeded the applicable water quality criteria.

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

TABLE 2.4 - WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATION - MS-01B

Analyte	Sample ID			MS-01B
	ALS Laboratory Sample ID			L2124920-1
	Sample Date & Time			7/4/2018 2:30:00 PM
	QA/QC Sample Type			N/A
	Units	LOR	Water Licence Criteria ¹	
pH	pH units	0.1	6.0 - 9.5	7.41
Total Suspended Solids	mg/L	2	35	<2.0
Alkalinity, Total (as CaCO ₃)	mg/L	10	-	28
Ammonia, Total (as N)	mg/L	0.02	4	0.059
Total Kjeldahl Nitrogen	mg/L	0.15	-	0.87
Phosphorus, Total	mg/L	0.003	4	0.0481
Fecal Coliforms	CFU/100mL	0	1,000	0
BOD	mg/L	2	30	<2.0
COD	mg/L	10	-	21
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0

Notes:

Grey and bold highlight indicate results that exceeded the applicable water quality criteria.

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

TABLE 2.5 - WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATION - MS-06

Analyte	Sample ID			MS-06	MS-06	MS-0601	MS-06	MS-06	MS-06
	ALS Laboratory Sample ID			L2122094-2	L2127561-1	L2127561-2	L2130188-1	L2132032-2	L2136756-1
	Sample Date & Time			7/2/2018 12:20:00 PM	7/11/2018 3:10:00 PM	7/11/2018 3:10:00 PM	7/16/2018 3:15:00 PM	7/18/2018 2:10:00 PM	7/26/2018 11:30:00 AM
	QA/QC Sample Type			N/A	N/A	Duplicate	N/A	N/A	N/A
	Units	LOR	Water Licence Criteria ¹						
Conductivity	umhos/cm	3	6.0 - 9.5	1050	1040	5460	1130	1140	1160
Hardness (as CaCO3)	mg/L	10	-	-	-	-	-	-	644
pH	pH units	0.1	-	7.68	7.78	7.77	7.56	7.76	7.55
Total Suspended Solids	mg/L	2	15	2.8	4	4.4	9.6	2.8	2
Total Dissolved Solids	mg/L	10	-	763 *	814	832	900	919	895
Turbidity	NTU	0.1	-	17.9	13.2	13.5	8.03	5.54	-
Acidity (as CaCO3)	mg/L	2	-	-	-	-	-	-	2.5
Alkalinity, Total (as CaCO3)	mg/L	10	-	-	-	-	-	-	41
Ammonia, Total (as N)	mg/L	0.02	-	-	-	-	-	0.159	0.042
Chloride (Cl)	mg/L	0.5	-	-	-	-	-	-	21.5
Fluoride (F)	mg/L	0.02	-	-	-	-	-	-	0.06
Nitrate (as N)	mg/L	0.02	-	-	-	-	-	-	6.17
Total Kjeldahl Nitrogen	mg/L	0.15	-	-	-	-	-	-	<0.15
Phosphorus, Total	mg/L	0.003	-	-	-	-	-	-	1.74
Sulfate (SO4)	mg/L	0.3	-	-	-	-	-	-	572
Cyanide, Total	mg/L	0.002	-	<0.0020	<0.0020	<0.0020	<0.20 *	<0.0020	<0.0020
Dissolved Organic Carbon	mg/L	1	-	-	-	-	-	-	1.21
Total Organic Carbon	mg/L	1	-	-	-	-	-	-	1.31
Aluminum (Al)-Total	mg/L	0.01	-	0.0497	0.051	0.0468	0.02	0.0162	<0.050
Antimony (Sb)-Total	mg/L	0.0001	-	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.0010
Arsenic (As)-Total	mg/L	0.0001	0.5	0.00013	0.00014	0.00014	<0.00010	<0.00010	<0.0010
Barium (Ba)-Total	mg/L	0.0001	-	0.0135	0.0132	0.0132	0.0149	0.0145	0.0162
Beryllium (Be)-Total	mg/L	0.0001	-	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.0010
Bismuth (Bi)-Total	mg/L	0.00005	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.00050
Boron (B)-Total	mg/L	0.01	-	0.029	0.032	0.032	0.034	0.034	<0.10
Cadmium (Cd)-Total	mg/L	0.00001	-	0.000041	0.000035	0.0000409	0.0000456	0.0000439	<0.000050
Calcium (Ca)-Total	mg/L	0.5	-	47.1	51.4	50.1	57.8	60.3	60.6
Cesium (Cs)-Total	mg/L	0.00001	-	0.000017	0.000015	0.000013	0.000012	0.000012	<0.00010
Chromium (Cr)-Total	mg/L	0.0005	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.0050
Cobalt (Co)-Total	mg/L	0.0001	0.3	0.00528	0.00453	0.00455	0.00556	0.00524	0.0037
Copper (Cu)-Total	mg/L	0.001	-	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.010
Iron (Fe)-Total	mg/L	0.05	-	0.175	0.159	0.15	0.072	0.061	0.11
Lead (Pb)-Total	mg/L	0.0001	0.2	0.000089	0.000055	0.000061	0.000059	0.000079	<0.00050
Lithium (Li)-Total	mg/L	0.001	-	0.0185	0.0196	0.0189	0.0214	0.0201	0.022
Magnesium (Mg)-Total	mg/L	0.05	-	96.7	108	106	113 *	116 *	120
Manganese (Mn)-Total	mg/L	0.0005	-	1.58	1.71	1.74	1.95 *	1.97	1.6
Mercury (Hg)-Total	mg/L	0.00001	-	-	-	-	-	-	<0.000010
Molybdenum (Mo)-Total	mg/L	0.00005	-	0.000952	0.000875	0.000937	0.000967	0.000993	0.00082
Nickel (Ni)-Total	mg/L	0.0005	0.5	0.00899	0.00789	0.00783	0.00879	0.00842	0.007
Phosphorus (P)-Total	mg/L	0.05	-	<0.050	<0.050	<0.050	<0.050	<0.050	<0.50
Potassium (K)-Total	mg/L	0.05	-	11	11.1	10.8	11	11.3	12
Rubidium (Rb)-Total	mg/L	0.0002	-	0.00686	0.00792	0.00786	0.00888	0.00915	0.0105
Selenium (Se)-Total	mg/L	0.00005	-	0.00125	0.0012	0.0012	0.00142	0.00132	0.00126
Silicon (Si)-Total	mg/L	0.1	-	0.43	0.37	0.37	0.29	0.26	<1.0
Silver (Ag)-Total	mg/L	0.00005	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.00050
Sodium (Na)-Total	mg/L	0.5	-	6.96	7.36	7.22	7.16	7.24	7.69
Strontium (Sr)-Total	mg/L	0.001	-	0.0722	0.0742	0.0764	0.0869	0.0894	0.087
Sulfur (S)-Total	mg/L	0.5	-	164	199	201	192	190	207
Tellurium (Te)-Total	mg/L	0.0002	-	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.0020
Thallium (Tl)-Total	mg/L	0.00001	-	0.000031	0.00003	0.000032	0.000034	0.000032	<0.00010
Thorium (Th)-Total	mg/L	0.0001	-	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.0010
Tin (Sn)-Total	mg/L	0.0001	-	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.0010
Titanium (Ti)-Total	mg/L	0.0008	-	<0.0007 *	0.00045	0.00058	<0.00040 *	<0.00030	<0.0030
Tungsten (W)-Total	mg/L	0.0001	-	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.0010
Uranium (U)-Total	mg/L	0.00001	-	0.00161	0.00158	0.00163	0.00157	0.00153	0.0013
Vanadium (V)-Total	mg/L	0.0005	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.0050
Zinc (Zn)-Total	mg/L	0.003	-	0.0061	0.0039	0.004	0.0084	0.0072	<0.030
Zirconium (Zr)-Total	mg/L	0.0003	-	<0.00030	<0.00030	<0.00030	<0.00030	<0.00030	<0.0030
Dissolved Mercury Filtration Location	n/a	-	-	-	-	-	-	-	FIELD
Dissolved Metals Filtration Location	n/a	-	-	-	-	-	-	-	FIELD
Aluminum (Al)-Dissolved	mg/L	0.005	-	-	-	-	-	-	<0.050
Antimony (Sb)-Dissolved	mg/L	0.0001	-	-	-	-	-	-	<0.0010
Arsenic (As)-Dissolved	mg/L	0.0001	-	-	-	-	-	-	<0.0010
Barium (Ba)-Dissolved	mg/L	0.0001	-	-	-	-	-	-	0.0159
Beryllium (Be)-Dissolved	mg/L	0.0001	-	-	-	-	-	-	<0.0010
Bismuth (Bi)-Dissolved	mg/L	0.00005	-	-	-	-	-	-	<0.00050
Boron (B)-Dissolved	mg/L	0.01	-	-	-	-	-	-	<0.10
Cadmium (Cd)-Dissolved	mg/L	0.00001	-	-	-	-	-	-	<0.000050
Calcium (Ca)-Dissolved	mg/L	0.05	-	-	-	-	-	-	58.9
Cesium (Cs)-Dissolved	mg/L	0.00001	-	-	-	-	-	-	<0.00010
Chromium (Cr)-Dissolved	mg/L	0.0005	-	-	-	-	-	-	<0.0050
Cobalt (Co)-Dissolved	mg/L	0.0001	-	-	-	-	-	-	0.0035
Copper (Cu)-Dissolved	mg/L	0.0002	-	-	-	-	-	-	<0.0020
Iron (Fe)-Dissolved	mg/L	0.01	-	-	-	-	-	-	<0.10
Lead (Pb)-Dissolved	mg/L	0.00005	-	-	-	-	-	-	<0.00050
Lithium (Li)-Dissolved	mg/L	0.001	-	-	-	-	-	-	0.019
Magnesium (Mg)-Dissolved	mg/L	0.05	-	-	-	-	-	-	121
Manganese (Mn)-Dissolved	mg/L	0.0005	-	-	-	-	-	-	1.54
Mercury (Hg)-Dissolved	mg/L	0.00001	-	-	-	-	-	-	<0.000010
Molybdenum (Mo)-Dissolved	mg/L	0.00005	-	-	-	-	-	-	0.00089
Nickel (Ni)-Dissolved	mg/L	0.0005	-	-	-	-	-	-	0.0072
Phosphorus (P)-Dissolved	mg/L	0.05	-	-	-	-	-	-	<0.50
Potassium (K)-Dissolved	mg/L	0.05	-	-	-	-	-	-	12
Rubidium (Rb)-Dissolved	mg/L	0.0002	-	-	-	-	-	-	0.0108
Selenium (Se)-Dissolved	mg/L	0.00005	-	-	-	-	-	-	0.00116
Silicon (Si)-Dissolved	mg/L	0.05	-	-	-	-	-	-	<0.50
Silver (Ag)-Dissolved	mg/L	0.00005	-	-	-	-	-	-	<0.00050
Sodium (Na)-Dissolved	mg/L	0.5	-	-	-	-	-	-	7.71
Strontium (Sr)-Dissolved	mg/L	0.001	-	-	-	-	-	-	0.084
Sulfur (S)-Dissolved	mg/L	0.5	-	-	-	-	-	-	205
Tellurium (Te)-Dissolved	mg/L	0.0002	-	-	-	-	-	-	<0.0020
Thallium (Tl)-Dissolved	mg/L	0.00001	-	-	-	-	-	-	<0.00010
Thorium (Th)-Dissolved	mg/L	0.0001	-	-	-	-	-	-	<0.0010
Tin (Sn)-Dissolved	mg/L	0.0001	-	-	-	-	-	-	<0.0010
Titanium (Ti)-Dissolved	mg/L	0.0003	-	-	-	-	-	-	<0.0030
Tungsten (W)-Dissolved	mg/L	0.0001	-	-	-	-	-	-	<0.0010
Uranium (U)-Dissolved	mg/L	0.00001	-	-	-	-	-	-	0.00114
Vanadium (V)-Dissolved	mg/L	0.0005	-	-	-	-	-	-	<0.0050
Zinc (Zn)-Dissolved	mg/L	0.001	0.5	-	-	-	-	-	<0.010
Zirconium (Zr)-Dissolved	mg/L	0.0003	-	-	-	-	-	-	<0.0030
Ra-226	Bq/L	0.0048	-	-	-	-	0.05	-	-

Notes:

Grey and 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 - MS-08

Analyte	Sample ID			MS-08	MS-08	MS-0801	MS-08	MS-08	MS-0801	MS-08	MS-0801
	ALS Laboratory Sample ID			L2122725-1	L2127393-1	L2127393-2	L2130194-1	L2133777-1	L2133777-2	L2136309-1	L2136309-2
	Sample Date & Time			7/3/2018 3:15:00 PM	7/11/2018 10:50:00 AM	7/11/2018 10:50:00 AM	7/16/2018 2:30:00 PM	7/21/2018 1:55:00 PM	7/21/2018 1:55:00 PM	7/24/2018 8:50:00 AM	7/24/2018 8:50:00 AM
	QA/QC Sample Type			N/A	N/A	Duplicate	N/A	N/A	Duplicate	N/A	Duplicate
	Units	LOR	Water Licence Criteria ¹								
Conductivity	umhos/cm	3	-	3360	3160	3210	3410	3420	3430	3450	3460
Hardness (as CaCO3)	mg/L	10		2520	-	-	-	-	-	-	-
pH	pH units	0.1	6.0-9.5	8.88	9.16	9.16	8.33	8.53	8.64	8.28	8.28
Total Suspended Solids	mg/L	2	15	3.6	3.6	2.4	<2.0	12.4	13.6	14.8	6.8
Total Dissolved Solids	mg/L	20	-	3950	3220	3260	3740	3860	3860	3780	3790
Turbidity	NTU	0.1	-	-	6.78	5.9	14.3	19.4	19.1	10.1	8.69
Acidity (as CaCO3)	mg/L	2		2.2	-	-	-	-	-	-	-
Alkalinity, Total (as CaCO3)	mg/L	10		37	-	-	-	-	-	-	-
Ammonia, Total (as N)	mg/L	0.1		2.9	-	-	-	2.02 *	2.07 *	1.94	2.02
Chloride (Cl)	mg/L	0.5		6.51	-	-	-	-	-	-	-
Fluoride (F)	mg/L	0.02		0.053	-	-	-	-	-	-	-
Nitrate (as N)	mg/L	0.02		6.5	-	-	-	-	-	-	-
Total Kjeldahl Nitrogen	mg/L	0.15		3.41	-	-	-	-	-	-	-
Phosphorus, Total	mg/L	0.03		<0.030	-	-	-	-	-	-	-
Sulfate (SO4)	mg/L	0.3		2340	-	-	-	-	-	-	-
Cyanide, Total	mg/L	0.002	-	0.0093	0.0081	0.0085	<0.20	0.0053	<0.0020	0.005	0.0051
Dissolved Organic Carbon	mg/L	0.5		1.6	-	-	-	-	-	-	-
Total Organic Carbon	mg/L	0.5		1.87	-	-	-	-	-	-	-
Aluminum (Al)-Total	mg/L	0.05		<0.050	<0.050	<0.050	<0.050	0.080 *	0.080 *	<0.050	<0.050
Antimony (Sb)-Total	mg/L	0.001	-	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010 *	<0.0010 *	<0.0010	<0.0010
Arsenic (As)-Total	mg/L	0.001	0.5	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010 *	<0.0010 *	<0.0010	<0.0010
Barium (Ba)-Total	mg/L	0.001	-	0.0183	0.0141	0.014	0.0177	0.0195 *	0.0210 *	0.0178	0.018
Beryllium (Be)-Total	mg/L	0.001	-	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010 *	<0.0010 *	<0.0010	<0.0010
Bismuth (Bi)-Total	mg/L	0.0005	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050 *	<0.00050 *	<0.00050	<0.00050
Boron (B)-Total	mg/L	0.1	-	<0.10	<0.10	<0.10	<0.10	<0.10 *	<0.10 *	<0.10	<0.10
Cadmium (Cd)-Total	mg/L	0.00005	-	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050 *	<0.000050 *	<0.000050	<0.000050
Calcium (Ca)-Total	mg/L	0.5	-	287	196	195	180 *	180 *	183 *	195	198
Cesium (Cs)-Total	mg/L	0.0001	-	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010 *	<0.00010 *	<0.00010	<0.00010
Chromium (Cr)-Total	mg/L	0.005	-	<0.0050	<0.0050	<0.0050	0.0069	<0.0050 *	<0.0050 *	<0.0050	<0.0050
Cobalt (Co)-Total	mg/L	0.001	-	0.0341	0.0083	0.008	0.0345	0.0439 *	0.0445 *	0.0155	0.0152
Copper (Cu)-Total	mg/L	0.01	0.3	0.011	<0.010	<0.010	0.011	<0.010 *	0.010 *	<0.010	<0.010
Iron (Fe)-Total	mg/L	0.1	-	1.66	0.73	0.73	3.31	4.31 *	4.42 *	1.23	1.12
Lead (Pb)-Total	mg/L	0.0005	0.2	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050 *	<0.00050 *	<0.00050	<0.00050
Lithium (Li)-Total	mg/L	0.01	-	0.067	0.054	0.053	0.057	0.052 *	0.051 *	0.054	0.056
Magnesium (Mg)-Total	mg/L	0.05	-	440	451	448	524	547 *	555 *	551	573
Manganese (Mn)-Total	mg/L	0.005	-	5.59	3.7	3.59	7.94	8.88 *	8.83 *	4.54	4.71
Mercury (Hg)-Total	mg/L	0.00001		<0.000010	-	-	-	-	-	-	-
Molybdenum (Mo)-Total	mg/L	0.0005		<0.00050	<0.00050	<0.00050	0.00285	<0.00050 *	<0.00050 *	<0.00050	<0.00050
Nickel (Ni)-Total	mg/L	0.005	0.5	0.039	0.0114	0.0112	0.0442	0.0560 *	0.0558 *	0.0201	0.0193
Phosphorus (P)-Total	mg/L	0.5	-	<0.50	<0.50	<0.50	<0.50	<0.50 *	<0.50 *	<0.50	<0.50
Potassium (K)-Total	mg/L	0.5	-	4.01	3.57	3.57	4.02	4.39 *	4.50 *	4.46	4.66
Rubidium (Rb)-Total	mg/L	0.002	-	0.0086	0.0075	0.0078	0.0084	0.0083 *	0.0089 *	0.0085	0.0088
Selenium (Se)-Total	mg/L	0.0005	-	0.0043	0.00403	0.00381	0.0038	0.00523 *	0.00496 *	0.00494	0.00491
Silicon (Si)-Total	mg/L	1	-	<1.0	<1.0	<1.0	<1.0	<1.0 *	<1.0 *	<1.0	<1.0
Silver (Ag)-Total	mg/L	0.0005	-	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050 *	<0.00050 *	<0.00050	<0.00050
Sodium (Na)-Total	mg/L	0.5	-	5.43	51.5	52.5	16.8	16.9 *	16.9 *	17	17.2
Strontium (Sr)-Total	mg/L	0.01	-	0.592	0.305	0.309	0.369	0.279 *	0.274 *	0.295	0.305
Sulfur (S)-Total	mg/L	5	-	834	800	804	872	953 *	982 *	951	981
Tellurium (Te)-Total	mg/L	0.002	-	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020 *	<0.0020 *	<0.0020	<0.0020
Thallium (Tl)-Total	mg/L	0.0001	-	0.00015	0.00011	0.00011	0.00013	<0.00020 *	0.00010 *	0.00011	0.00012
Thorium (Th)-Total	mg/L	0.001	-	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010 *	<0.0010 *	<0.0010	<0.0010
Tin (Sn)-Total	mg/L	0.001	-	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010 *	<0.0010 *	<0.0010	<0.0010
Titanium (Ti)-Total	mg/L	0.003	-	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030 *	<0.0030 *	<0.0030	<0.0030
Tungsten (W)-Total	mg/L	0.001	-	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010 *	<0.0010 *	<0.0010	<0.0010
Uranium (U)-Total	mg/L	0.0001	-	0.00014	0.00056	0.00053	0.00045	0.00057 *	0.00060 *	0.00037	0.00039
Vanadium (V)-Total	mg/L	0.005	-	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050 *	<0.0050 *	<0.0050	<0.0050
Zinc (Zn)-Total	mg/L	0.03	-	<0.030	<0.030	<0.030	<0.030	<0.030 *	<0.030 *	<0.030	<0.030
Zirconium (Zr)-Total	mg/L	0.003	-	<0.0030	<0.0030	<0.0030	<0.0030	<0.0030 *	<0.0030 *	<0.0030	<0.0030
Dissolved Mercury Filtration Location		n/a		FIELD	-	-	-	-	-	-	-
Dissolved Metals Filtration Location		n/a		FIELD	-	-	-	-	-	-	-
Aluminum (Al)-Dissolved	mg/L	0.05		<0.050	-	-	-	-	-	-	-
Antimony (Sb)-Dissolved	mg/L	0.001		<0.0010	-	-	-	-	-	-	-
Arsenic (As)-Dissolved	mg/L	0.001		<0.0010	-	-	-	-	-	-	-
Barium (Ba)-Dissolved	mg/L	0.001		0.0175	-	-	-	-	-	-	-
Beryllium (Be)-Dissolved	mg/L	0.001		<0.0010	-	-	-	-	-	-	-
Bismuth (Bi)-Dissolved	mg/L	0.0005		<0.00050	-	-	-	-	-	-	-
Boron (B)-Dissolved	mg/L	0.1		<0.10	-	-	-	-	-	-	-
Cadmium (Cd)-Dissolved	mg/L	0.00005		<0.000050	-	-	-	-	-	-	-
Calcium (Ca)-Dissolved	mg/L	0.5		287	-	-	-	-	-	-	-
Cesium (Cs)-Dissolved	mg/L	0.0001		<0.00010	-	-	-	-	-	-	-
Chromium (Cr)-Dissolved	mg/L	0.005		<0.0050	-	-	-	-	-	-	-
Cobalt (Co)-Dissolved	mg/L	0.001		0.0258	-	-	-	-	-	-	-
Copper (Cu)-Dissolved	mg/L	0.002		0.0087	-	-	-	-	-	-	-
Iron (Fe)-Dissolved	mg/L	0.1		<0.10	-	-	-	-	-	-	-
Lead (Pb)-Dissolved	mg/L	0.0005		<0.00050	-	-	-	-	-	-	-
Lithium (Li)-Dissolved	mg/L	0.01		0.07	-	-	-	-	-	-	-
Magnesium (Mg)-Dissolved	mg/L	0.05		438	-	-	-	-	-	-	-
Manganese (Mn)-Dissolved	mg/L	0.005		5.59	-	-	-	-	-	-	-
Mercury (Hg)-Dissolved	mg/L	0.00001		<0.000010	-	-	-	-	-	-	-
Molybdenum (Mo)-Dissolved	mg/L	0.0005		<0.00050	-	-	-	-	-	-	-
Nickel (Ni)-Dissolved	mg/L	0.005		0.0307	-	-	-	-	-	-	-
Phosphorus (P)-Dissolved	mg/L	0.5		<0.50	-	-	-	-	-	-	-
Potassium (K)-Dissolved	mg/L	0.5		4.06	-	-	-	-	-	-	-
Rubidium (Rb)-Dissolved	mg/L	0.002		0.0085	-	-	-	-	-	-	-
Selenium (Se)-Dissolved	mg/L	0.0005		0.00391	-	-	-	-	-	-	-
Silicon (Si)-Dissolved	mg/L	0.5		<0.50	-	-	-	-	-	-	-
Silver (Ag)-Dissolved	mg/L	0.0005		<0.00050	-	-	-	-	-	-	-
Sodium (Na)-Dissolved	mg/L	0.5		5.49	-	-	-	-	-	-	-
Strontium (Sr)-Dissolved	mg/L	0.01		0.609	-	-	-	-	-	-	-
Sulfur (S)-Dissolved	mg/L	5		857	-	-	-	-	-	-	-
Tellurium (Te)-Dissolved	mg/L	0.002		<0.0020	-	-	-	-	-	-	-
Thallium (Tl)-Dissolved	mg/L	0.0001		0.00015	-	-	-	-	-	-	-
Thorium (Th)-Dissolved	mg/L	0.001		<0.0010	-	-	-	-	-	-	-
Tin (Sn)-Dissolved	mg/L	0.001		<0.0010	-	-	-	-	-	-	-
Titanium (Ti)-Dissolved	mg/L	0.003		<0.0030	-	-	-	-	-	-	-
Tungsten (W)-Dissolved	mg/L	0.001		<0.0010	-	-	-	-	-	-	-
Uranium (U)-Dissolved	mg/L	0.0001		<0.00010	-	-	-	-	-	-	-
Vanadium (V)-Dissolved	mg/L	0.005		<0.0050	-	-	-	-	-	-	-
Zinc (Zn)-Dissolved	mg/L	0.01		<0.010	-	-	-	-	-	-	-
Zirconium (Zr)-Dissolved	mg/L	0.003		<0.0030	-	-	-	-	-	-	-
Acute Toxicity			Non-lethal	Non-lethal	-	-	-	-	-	-	-

Notes:

Grey and bold highlight indicate results that exceeded the applicable water quality criteria.

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

TABLE 2.7 - WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATION - MP-C-B

Analyte	Sample ID			MP-C-B	MP-C-B	MP-C-B	MP-C-B	MP-C-B
	ALS Laboratory Sample ID			L2123843-7	L2128204-6	L2131995-8	L2137113-7	L2141875-7
	Sample Date & Time			7/2/2018 10:45:00 AM	7/10/2018 9:55:00 AM	7/17/2018 11:50:00 AM	7/23/2018 3:05:00 PM	7/30/2018 6:00:00 PM
	QA/QC Sample Type			N/A	N/A	N/A	N/A	N/A
	Units	LOR	Water Licence Criteria ¹					
Conductivity	umhos/cm	3	-	508	-	533	-	545
pH	pH units	0.1	6.0 - 9.5	8.2	8.1	8.24	8.29	8.10 *
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	<2.0	2.9	<2.0	2	4.8 *
Total Dissolved Solids	mg/L	10	-	-	385	-	346	329 *
Turbidity	NTU	0.1	-	-	11.6	-	10.2	11.2 *
Ammonia, Total (as N)	mg/L	0.02	-	1.17	-	1.23	-	0.618
Nitrate (as N)	mg/L	0.02	-	8.6	-	7.5	-	5.08
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0		<2.0	-	<2.0

Notes:

Grey and 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-B01

Analyte	Sample ID			MP-C-B01	MP-C-B01	MP-C-B01	MP-C-B01	MP-C-B01
	ALS Laboratory Sample ID			L2123843-6	L2128204-5	L2131995-7	L2137113-6	L2141875-6
	Sample Date & Time			7/2/2018 10:35:00 AM	7/10/2018 9:45:00 AM	7/17/2018 2:45:00 PM	7/23/2018 2:55:00 PM	7/30/2018 5:45:00 PM
	QA/QC Sample Type			N/A	N/A	N/A	N/A	N/A
	Units	LOR	Water Licence Criteria ¹					
Conductivity	umhos/cm	3	-	501	-	516	-	525
pH	pH units	0.1	6.0 - 9.5	8.18	8.1	8.22	8.22	8.11 *
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	<2.0	3.7	2.2	2.5	4.6 *
Total Dissolved Solids	mg/L	10	-	-	386	-	346	324 *
Turbidity	NTU	0.1	-	-	13.1	-	15.8	11.9 *
Ammonia, Total (as N)	mg/L	0.02	-	1.09	-	1.02	-	0.697
Nitrate (as N)	mg/L	0.02	-	8.72	-	6.94	-	5.33
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0	-	<2.0	-	<2.0

Notes:

Grey and 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-H

Analyte	Sample ID			MP-C-H	MP-C-H	MP-C-H01	MP-C-H
	ALS Laboratory Sample ID			L2123843-1	L2128204-1	L2128204-2	L2131995-1
	Sample Date & Time			7/2/2018 8:05:00 AM	7/10/2018 8:20:00 AM	7/10/2018 8:20:00 AM	7/17/2018 8:30:00 AM
	QA/QC Sample Type			N/A	N/A	Duplicate	N/A
	Units	LOR	Water Licence Criteria ¹				
Conductivity	umhos/cm	3	-	151	-	-	215
pH	pH units	0.1	6.0 - 9.5	8.01	8.05	8.05	8.15
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	<2.0	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	-	121	118	-
Turbidity	NTU	0.1	-	-	0.89	0.42	-
Ammonia, Total (as N)	mg/L	0.02	-	<0.020	-	-	<0.020
Nitrate (as N)	mg/L	0.02	-	<0.020	-	-	0.035
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0	-	-	<2.0

Notes:

Grey and 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-H

Analyte	Sample ID			MP-C-H	MP-C-H
	ALS Laboratory Sample ID			L2137113-1	L2141875-1
	Sample Date & Time			7/23/2018 1:40:00 PM	7/30/2018 10:05:00 AM
	QA/QC Sample Type			N/A	N/A
	Units	LOR	Water Licence Criteria ¹		
Conductivity	umhos/cm	3	-	-	241
pH	pH units	0.1	6.0 - 9.5	8.22	8.12 *
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	<2.0	<2.0 *
Total Dissolved Solids	mg/L	10	-	127	138 *
Turbidity	NTU	0.1	-	0.43	0.68 *
Ammonia, Total (as N)	mg/L	0.02	-	-	<0.020
Nitrate (as N)	mg/L	0.02	-	-	0.035
Oil and Grease, Total	mg/L	2	No Visible Sheen	-	<2.0

Notes:

Grey and 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-Q1-01

Analyte	Sample ID			MP-Q1-01	MP-Q1-01	MP-Q1-01	MP-Q1-01
	ALS Laboratory Sample ID			L2123843-9	L2128204-8	L2131995-10	L2137113-9
	Sample Date & Time			7/3/2018 9:10:00 AM	7/10/2018 8:30:00 AM	7/17/2018 9:30:00 AM	7/23/2018 2:30:00 PM
	QA/QC Sample Type			N/A	N/A	N/A	N/A
	Units	LOR	Water Licence Criteria ¹				
Conductivity	umhos/cm	3	-	262	-	255	-
pH	pH units	0.1	6.0 - 9.5	8.10	7.99	8.03	8.13
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	<2.0	5.2	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	-	196	-	159
Turbidity	NTU	0.1	-	-	7.87	-	0.96
Ammonia, Total (as N)	mg/L	0.02	-	0.596	-	0.22	-
Nitrate (as N)	mg/L	0.02	-	6.69	-	4.25	-
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0	-	<2.0	-
Acute Toxicity			Non-lethal	Non-lethal	-	-	-

Notes:

Grey and 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-Q1-01

Analyte	Sample ID			MP-Q1-0101	MP-Q1-01
	ALS Laboratory Sample ID			L2137113-3	L2141875-9
	Sample Date & Time			7/23/2018 2:30:00 PM	7/30/2018 11:05:00 AM
	QA/QC Sample Type			Duplicate	Duplicate
	Units	LOR	Water Licence Criteria ¹		
Conductivity	umhos/cm	3	-	-	266
pH	pH units	0.1	6.0 - 9.5	8.09	8.05 *
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	<2.0	<2.0 *
Total Dissolved Solids	mg/L	10	-	151	183 *
Turbidity	NTU	0.1	-	0.87	1.18 *
Ammonia, Total (as N)	mg/L	0.02	-	-	0.13
Nitrate (as N)	mg/L	0.02	-	-	2.79
Oil and Grease, Total	mg/L	2	No Visible Sheen	-	<2.0
Acute Toxicity			Non-lethal	-	-

Notes:

Grey and 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 - MP-Q1-02

Analyte	Sample ID			MP-Q1-02	MP-Q1-02	MP-Q1-02	MPQ1-0201
	ALS Laboratory Sample ID			L2123843-2	L2128381-1	L2131995-2	L2131995-3
	Sample Date & Time			7/2/2018 8:40:00 AM	7/11/2018 11:15:00 AM	7/17/2018 9:15:00 AM	7/17/2018 9:15:00 AM
	QA/QC Sample Type			N/A	N/A	N/A	Duplicate
	Units	LOR	Water Licence Criteria ¹				
Conductivity	umhos/cm	3	-	-	487	-	-
pH	pH units	0.1	6.0 - 9.5	7.94	8.05	7.95	7.97
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	7.0	5.7	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	296	-	393	394
Turbidity	NTU	0.1	-	13	-	1.89	1.37
Ammonia, Total (as N)	mg/L	0.02	-	-	3.78	-	-
Nitrate (as N)	mg/L	0.02	-	-	24.9	-	-
Oil and Grease, Total	mg/L	2	No Visible Sheen	-	<2.0	-	-
Acute Toxicity			Non-lethal	-	Non-lethal	-	-

Notes:

Grey and 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 - MP-Q1-02

Analyte	Sample ID			MP-Q1-02	MP-Q1-02
	ALS Laboratory Sample ID			L2137113-2	L2141875-2
	Sample Date & Time			7/23/2018 2:15:00 PM	7/30/2018 10:50:00 AM
	QA/QC Sample Type			N/A	N/A
	Units	LOR	Water Licence Criteria ¹		
Conductivity	umhos/cm	3	-	554	-
pH	pH units	0.1	6.0 - 9.5	8.04	7.92 *
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	<2.0	3.6 *
Total Dissolved Solids	mg/L	10	-	-	471 *
Turbidity	NTU	0.1	-	-	2.68 *
Ammonia, Total (as N)	mg/L	0.02	-	2.44	-
Nitrate (as N)	mg/L	0.02	-	31.6	-
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0	-
Acute Toxicity			Non-lethal	-	-

Notes:

Grey and bold highlight indicate results that exceeded the applicable water quality criteria.

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

TABLE 2.12 - WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATION - MS-C-A

Analyte	Sample ID			MS-C-A	MS-C-A	MS-C-A	MS-C-A
	ALS Laboratory Sample ID			L2124774-6	L2126016-3	L2131286-6	L2136320-11
	Sample Date & Time			7/3/2018 4:45:00 PM	7/9/2018 8:40:00 AM	7/16/2018 1:55:00 PM	7/24/2018 8:10:00 AM
	QA/QC Sample Type			N/A	N/A	N/A	N/A
	Units	LOR	Water Licence Criteria ¹				
Conductivity	umhos/cm	3	-	177	-	182	-
pH	pH units	0.1	6.0 - 9.5	7.87	7.72	7.91	7.94
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	<2.0	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	-	129	-	116
Turbidity	NTU	0.1	-	-	0.43	-	0.52
Ammonia, Total (as N)	mg/L	0.02	-	<0.020	-	<0.020	-
Nitrate (as N)	mg/L	0.02	-	0.156	-	0.214	-
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0	-	<2.0	-

Notes:

Grey and 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 2.13 - WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATION - MS-C-B

Analyte	Sample ID			MS-C-B	MS-C-B	MS-C-B	MS-C-B
	ALS Laboratory Sample ID			L2124774-4	L2126016-1	L2131286-7	L2136320-12
	Sample Date & Time			7/3/2018 5:35:00 PM	7/9/2018 9:05:00 AM	7/16/2018 3:25:00 PM	7/24/2018 8:30:00 AM
	QA/QC Sample Type			N/A	N/A	N/A	N/A
	Units	LOR	Water Licence Criteria ¹				
Conductivity	umhos/cm	3	-	177	-	182	-
pH	pH units	0.1	6.0 - 9.5	7.85	7.7	7.85	7.84
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	<2.0	2	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	-	100	-	114
Turbidity	NTU	0.1	-	-	0.63	-	0.44
Ammonia, Total (as N)	mg/L	0.02	-	<0.020	-	0.024	-
Nitrate (as N)	mg/L	0.02	-	0.17	-	0.229	-
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0	-	<2.0	-

Notes:

Grey and 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 2.14 - WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATION - MS-C-C

Analyte	Sample ID			MS-C-C	MS-C-C	MS-C-C	MS-C-C
	ALS Laboratory Sample ID			L2124774-15	L2126016-11	L2131286-2	L2136320-7
	Sample Date & Time			7/4/2018 9:55:00 AM	7/9/2018 10:45:00 AM	7/16/2018 5:15:00 PM	7/23/2018 4:35:00 PM
	QA/QC Sample Type			N/A	N/A	N/A	N/A
	Units	LOR	Water Licence Criteria ¹				
Conductivity	umhos/cm	3	-	661	-	858	-
pH	pH units	0.1	6.0 - 9.5	7.95	7.82	7.89	8.1
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	<2.0	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	-	490	-	647
Turbidity	NTU	0.1	-	-	2.54	-	1.4
Ammonia, Total (as N)	mg/L	0.02	-	<0.020	-	<0.020	-
Nitrate (as N)	mg/L	0.02	-	2.85	-	3.86	-
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0	-	<2.0	-

Notes:

Grey and 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 2.15 - WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATION - MS-C-D

Analyte	Sample ID			MS-C-D	MS-C-D	MS-C-D02	MS-C-D	MS-C-D
	ALS Laboratory Sample ID			L2124774-10	L2126016-6	L2126016-4	L2132023-8	L2136320-2
	Sample Date & Time			7/4/2018 9:40:00 AM	7/9/2018 10:30:00 AM	7/9/2018 10:30:00 AM	7/18/2018 1:40:00 PM	7/23/2018 4:25:00 PM
	QA/QC Sample Type			N/A	N/A	Field Blank	N/A	N/A
	Units	LOR	Water Licence Criteria ¹					
Conductivity	umhos/cm	3	-	671	-	-	798	-
pH	pH units	0.1	6.0 - 9.5	8.14	8.16	5.69	8.37	8.33
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	<2.0	<2.0	<2.0	<2.0	3
Total Dissolved Solids	mg/L	10	-	-	433	<20	-	559
Turbidity	NTU	0.1	-	-	1.9	<0.10	-	5.13
Ammonia, Total (as N)	mg/L	0.02	-	<0.020	-	-	<0.020	-
Nitrate (as N)	mg/L	0.02	-	2.19	-	-	3.23	-
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0	-	-	<2.0	-

Notes:

Grey and 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 2.16 - 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			L2124774-5	L2126016-2	L2131286-1	L2136320-9
	Sample Date & Time			7/4/2018 9:00:00 AM	7/9/2018 10:15:00 AM	7/16/2018 4:35:00 PM	7/23/2018 4:10:00 PM
	QA/QC Sample Type			N/A	N/A	N/A	N/A
	Units	LOR	Water Licence Criteria ¹				
Conductivity	umhos/cm	3	-	635	-	629	-
pH	pH units	0.1	6.0 - 9.5	8.1	7.93	8.14	8.21
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	<2.0	2.4	25.2	<2.0
Total Dissolved Solids	mg/L	10	-	-	395	-	508
Turbidity	NTU	0.1	-	-	3.47	-	1.76
Ammonia, Total (as N)	mg/L	0.02	-	<0.020	-	<0.020	-
Nitrate (as N)	mg/L	0.02	-	1.7	-	1.8	-
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0	-	<2.0	-

Notes:

Grey and 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-F

Analyte	Sample ID			MS-C-F	MS-C-F	MS-C-F	MS-C-F
	ALS Laboratory Sample ID			L2124774-9	L2126016-5	L2131286-8	L2136320-8
	Sample Date & Time			7/4/2018 1:45:00 PM	7/9/2018 12:15:00 PM	7/16/2018 4:15:00 PM	7/23/2018 5:05:00 PM
	QA/QC Sample Type			N/A	N/A	N/A	N/A
	Units	LOR	Water Licence Criteria ¹				
Conductivity	umhos/cm	3	-	205	-	197	-
pH	pH units	0.1	6.0 - 9.5	7.99	7.92	8.02	8.07
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	<2.0	<2.0	3.2	<2.0
Total Dissolved Solids	mg/L	10	-	-	105	-	133
Turbidity	NTU	0.1	-	-	1.74	-	3.25
Ammonia, Total (as N)	mg/L	0.02	-	<0.020	-	0.022	-
Nitrate (as N)	mg/L	0.02	-	0.183	-	0.295	-
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0	-	<2.0	-

Notes:

Grey and 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-G

Analyte	Sample ID			MS-C-G	MS-C-G01	MS-C-G	MS-C-G
	ALS Laboratory Sample ID			L2124774-14	L2124774-8	L2126016-10	L2131286-5
	Sample Date & Time			7/4/2018 11:30:00 AM	7/4/2018 11:30:00 AM	7/9/2018 3:45:00 PM	7/16/2018 9:45:00 AM
	QA/QC Sample Type			N/A	Duplicate	N/A	N/A
	Units	LOR	Water Licence Criteria ¹				
Conductivity	umhos/cm	3	-	162	160	-	170
pH	pH units	0.1	6.0 - 9.5	7.99	7.98	7.9	7.89
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	<2.0	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	-	-	105	-
Turbidity	NTU	0.1	-	-	-	0.55	-
Ammonia, Total (as N)	mg/L	0.02	-	<0.020	<0.020	-	<0.020
Nitrate (as N)	mg/L	0.02	-	0.198	0.202	-	0.551
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0	<2.0	-	<2.0

Notes:

Grey and 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-G

Analyte	Sample ID			MS-C-G02	MS-C-G
	ALS Laboratory Sample ID			L2131286-4	L2136320-3
	Sample Date & Time			7/16/2018 9:45:00 AM	7/23/2018 2:00:00 PM
	QA/QC Sample Type			Field Blank	N/A
	Units	LOR	Water Licence Criteria ¹		
Conductivity	umhos/cm	3	-	<3.0	-
pH	pH units	0.1	6.0 - 9.5	6.1	8
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	-	116
Turbidity	NTU	0.1	-	-	0.8
Ammonia, Total (as N)	mg/L	0.02	-	<0.020	-
Nitrate (as N)	mg/L	0.02	-	<0.020	-
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0	-

Notes:

Grey and 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-H

Analyte	Sample ID			MS-C-H	MC-C-H01	MS-C-H	MS-C-H	MS-C-H
	ALS Laboratory Sample ID			L2124774-13	L2124774-7	L2126016-9	L2131286-3	L2136320-4
	Sample Date & Time			7/4/2018 11:50:00 AM	7/4/2018 11:50:00 AM	7/9/2018 4:10:00 PM	7/16/2018 9:10:00 AM	7/23/2018 2:20:00 PM
	QA/QC Sample Type			N/A	Duplicate	N/A	N/A	N/A
	Units	LOR	Water Licence Criteria ¹					
Conductivity	umhos/cm	3	-	185	186	-	175	-
pH	pH units	0.1	6.0 - 9.5	7.98	8	8.12	8.13	8.12
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	<2.0	<2.0	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	-	-	95	-	142
Turbidity	NTU	0.1	-	-	-	0.51	-	0.82
Ammonia, Total (as N)	mg/L	0.02	-	<0.020	<0.020	-	<0.020	-
Nitrate (as N)	mg/L	0.02	-	0.106	0.114	-	0.027	-
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0	<2.0	-	<2.0	-

Notes:

Grey and 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 - MQ-C-A

Analyte	Sample ID			MQ-C-A	MQ-C-A	MQ-C-A	MQ-C-A
	ALS Laboratory Sample ID			L2124774-2	L2127409-7	L2131286-12	L2136320-1
	Sample Date & Time			7/4/2018 5:10:00 PM	7/10/2018 12:15:00 PM	7/16/2018 11:38:00 AM	7/23/2018 9:15:00 AM
	QA/QC Sample Type			N/A	N/A	N/A	N/A
	Units	LOR	Water Licence Criteria ¹				
Conductivity	umhos/cm	3	-	179	-	233	-
pH	pH units	0.1	6.0 - 9.5	8.15	8.15	8.16	8.18
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	<2.0	<2.0	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	-	118	-	173
Turbidity	NTU	0.1	-	-	0.46	-	0.31
Ammonia, Total (as N)	mg/L	0.02	-	<0.020	-	<0.020	-
Nitrate (as N)	mg/L	0.02	-	0.021	-	<0.020	-
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0	-	<2.0	-
Acute Toxicity			Non-lethal	Non-lethal	-	-	-

Notes:

Grey and 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 - MQ-C-B

Analyte	Sample ID			MQ-C-B	MQ-C-B	MQ-C-B	MQ-C-B01
	ALS Laboratory Sample ID			L2124774-1	L2127409-6	L2131286-11	L2131286-13
	Sample Date & Time			7/3/2018 4:15:00 PM	7/10/2018 12:40:00 PM	7/16/2018 12:30:00 PM	7/16/2018 12:30:00 PM
	QA/QC Sample Type			N/A	N/A	N/A	Duplicate
	Units	LOR	Water Licence Criteria ¹				
Conductivity	umhos/cm	3	-	209	-	296	297
pH	pH units	0.1	6.0 - 9.5	8.03	8.15	8.18	8.16
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	11.1	<2.0	2.4	3.2
Total Dissolved Solids	mg/L	10	-	-	129	-	-
Turbidity	NTU	0.1	-	-	3.97	-	-
Ammonia, Total (as N)	mg/L	0.02	-	0.181	-	-	-
Nitrate (as N)	mg/L	0.02	-	1.31	-	0.222	0.234
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0	-	3.23	3.22
Acute Toxicity			Non-lethal	-	-	-	-

Notes:

Grey and 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 - MQ-C-B

Analyte	Sample ID			MQ-C-B	MQ-C-B02	MQ-C-B
	ALS Laboratory Sample ID			L2132023-6	L2132023-7	L2136320-5
	Sample Date & Time			7/18/2018 2:10:00 PM	7/18/2018 2:10:00 PM	7/23/2018 3:55:00 PM
	QA/QC Sample Type			N/A	Field Blank	N/A
	Units	LOR	Water Licence Criteria ¹			
Conductivity	umhos/cm	3	-	320	3.7	-
pH	pH units	0.1	6.0 - 9.5	8.26	6.12	8.2
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	5.6	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	-	-	230
Turbidity	NTU	0.1	-	-	-	2.49
Ammonia, Total (as N)	mg/L	0.02	-	0.314	<0.020	-
Nitrate (as N)	mg/L	0.02	-	4.24	<0.020	-
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0	<2.0	-
Acute Toxicity			Non-lethal	Non-lethal	-	-

Notes:

Grey and 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 - MQ-C-D

Analyte	Sample ID			MQ-C-D	MQ-C-D	MQ-C-D01	MQ-C-D	MQ-C-D
	ALS Laboratory Sample ID			L2124774-3	L2127409-5	L2127409-1	L2131286-14	L2136320-6
	Sample Date & Time			7/3/2018 3:50:00 PM	7/10/2018 12:20:00 PM	7/10/2018 12:20:00 PM	7/16/2018 11:50:00 AM	7/23/2018 9:55:00 AM
	QA/QC Sample Type			N/A	N/A	Duplicate	N/A	N/A
	Units	LOR	Water Licence Criteria ¹					
Conductivity	umhos/cm	3	-	183	-	-	237	-
pH	pH units	0.1	6.0 - 9.5	7.97	8.03	8.01	8.2	8.07
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	2.8	7.2	10	5.6	2.1
Total Dissolved Solids	mg/L	10	-	-	119	126	-	183
Turbidity	NTU	0.1	-	-	21.5	22	-	4.74
Ammonia, Total (as N)	mg/L	0.02	-	0.349	-	-	0.294	-
Nitrate (as N)	mg/L	0.02	-	1.89	-	-	3.34	-
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0	-	-	<2.0	-

Notes:

Grey and 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-E

Analyte	Sample ID			MQ-C-E	MQ-C-E	MQ-C-E
	ALS Laboratory Sample ID			L2127409-4	L2131286-15	L2136320-13
	Sample Date & Time			7/10/2018 11:35:00 AM	7/16/2018 6:35:00 PM	7/24/2018 10:30:00 AM
	QA/QC Sample Type			N/A	N/A	N/A
	Units	LOR	Water Licence Criteria ¹			
Conductivity	umhos/cm	3	-	314	-	327
pH	pH units	0.1	6.0 - 9.5	7.98	7.95	8.02
Total Suspended Solids	mg/L	2	Grab 30 and Average 15	3.2	4.4	<2.0
Total Dissolved Solids	mg/L	10	-	-	174	-
Turbidity	NTU	0.1	-	-	3.45	-
Ammonia, Total (as N)	mg/L	0.02	-	0.036	-	<0.020
Nitrate (as N)	mg/L	0.02	-	2.69	-	2.78
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0	-	<2.0

Notes:

Grey and bold highlight indicate results that exceeded the applicable water quality criteria.

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

TABLE 2.24 - WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATION - MS-MRY-13A

Analyte	Sample ID			MS-MRY-13A	MS-MRY-13A	MS-MRY-13A
	ALS Laboratory Sample ID			L2124774-11	L2126016-7	L2131286-9
	Sample Date & Time			7/4/2018 10:55:00 AM	7/9/2018 3:20:00 PM	7/16/2018 10:40:00 AM
	QA/QC Sample Type			N/A	N/A	N/A
	Units	LOR	Water Licence Criteria ¹			
Conductivity	umhos/cm	3	-	640	-	700
pH	pH units	0.1	6.0 - 9.5	7.95	7.77	7.96
Total Suspended Solids	mg/L	2	15	3.7	<2.0	<2.0
Total Dissolved Solids	mg/L	10	-	429 *	333	432
Turbidity	NTU	0.1	-	-	0.88	-
Alkalinity, Total (as CaCO3)	mg/L	10	-	121	-	137
Dissolved Organic Carbon	mg/L	1	-	3.52	-	3.98
Total Organic Carbon	mg/L	1	-	3.92	-	4.37
Aluminum (Al)-Total	mg/L	0.005	-	0.0646	-	0.0176
Antimony (Sb)-Total	mg/L	0.0001	-	0.00013	-	0.00016
Arsenic (As)-Total	mg/L	0.0001	0.5	0.00014	-	0.00018
Barium (Ba)-Total	mg/L	0.0002	-	0.0374	-	0.0407
Beryllium (Be)-Total	mg/L	0.0001	-	<0.00010	-	<0.00010
Bismuth (Bi)-Total	mg/L	0.00005	-	<0.000050	-	<0.000050
Boron (B)-Total	mg/L	0.01	-	0.029	-	0.025
Cadmium (Cd)-Total	mg/L	0.00001	-	0.0000121	-	0.0000093
Calcium (Ca)-Total	mg/L	0.5	-	58.3	-	58.4
Chromium (Cr)-Total	mg/L	0.0005	-	0.00053	-	<0.00050
Cobalt (Co)-Total	mg/L	0.0001	-	0.00012	-	<0.00010
Copper (Cu)-Total	mg/L	0.001	0.3	0.0011	-	0.0012
Iron (Fe)-Total	mg/L	0.05	-	0.055	-	0.028
Lead (Pb)-Total	mg/L	0.00005	0.2	0.000051	-	<0.000050
Lithium (Li)-Total	mg/L	0.001	-	0.0061	-	0.0049
Magnesium (Mg)-Total	mg/L	0.05	-	31.6	-	39.7
Manganese (Mn)-Total	mg/L	0.0005	-	0.00703	-	0.00257
Mercury (Hg)-Total	mg/L	0.00001	-	<0.000010	-	<0.000010
Molybdenum (Mo)-Total	mg/L	0.00005	-	0.000418	-	0.000402
Nickel (Ni)-Total	mg/L	0.0005	0.5	0.0092	-	0.00978
Potassium (K)-Total	mg/L	0.05	-	2.18	-	2.14
Selenium (Se)-Total	mg/L	0.00005	-	<0.000050	-	<0.000050
Silicon (Si)-Total	mg/L	0.1	-	3.34	-	3.6
Silver (Ag)-Total	mg/L	0.00005	-	<0.000050	-	<0.000050
Sodium (Na)-Total	mg/L	0.5	-	8.88	-	10
Strontium (Sr)-Total	mg/L	0.001	-	0.0594	-	0.0603
Thallium (Tl)-Total	mg/L	0.00001	-	0.000012	-	0.000017
Tin (Sn)-Total	mg/L	0.0001	-	<0.00010	-	<0.00010
Titanium (Ti)-Total	mg/L	0.0003	-	0.00206	-	0.00086
Tungsten (W)-Total	mg/L	0.0001	-	0.00012	-	0.00011
Uranium (U)-Total	mg/L	0.00001	-	0.000645	-	0.00084
Vanadium (V)-Total	mg/L	0.0005	-	<0.00050	-	<0.00050
Zinc (Zn)-Total	mg/L	0.003	0.5	0.0065	-	0.0057
Zirconium (Zr)-Total	mg/L	0.0003	-	<0.00030	-	<0.00030
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0	-	<2.0
Phenols (4AAP)	mg/L	0.001	-	<0.0010	-	<0.0010
F1 (C6-C10)	ug/L	100	-	<100	-	<100
F2 (C10-C16)	ug/L	100	-	<100	-	<100
F3 (C16-C34)	ug/L	250	-	<250	-	<250
F4 (C34-C50)	ug/L	250	-	<250	-	<250
Total Hydrocarbons (C6-C50)	ug/L	380	-	<380	-	<380
Chrom. to baseline at nC50		n/a	-	YES	-	YES
2-Bromobenzotrifluoride	%	Surrogate	-	89.9	-	99.9
3,4-Dichlorotoluene	%	Surrogate	-	80.7	-	89

Notes:

Grey and 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 2.25 - WATER QUALITY RESULTS FOR WATER LICENCE MONITORING LOCATION - MS-MRY-13B

Analyte	Sample ID			MS-MRY-13B	MS-MRY-13B	MS-MRY-13B	MS-MRY-13B
	ALS Laboratory Sample ID			L2124774-12	L2126016-8	L2131286-10	L2136320-10
	Sample Date & Time			7/4/2018 10:35:00 AM	7/9/2018 3:10:00 PM	7/16/2018 10:15:00 AM	7/23/2018 2:45:00 PM
	QA/QC Sample Type			N/A	N/A	N/A	N/A
	Units	LOR	Water Licence Criteria ¹				
Conductivity	umhos/cm	3	-	866	-	757	-
pH	pH units	0.1	6.0 - 9.5	8.14	8.2	8.21	8.24
Total Suspended Solids	mg/L	2	15	<2.0	<2.0	2.8	2.3
Total Dissolved Solids	mg/L	10	-	123	367	475	576
Turbidity	NTU	0.1	-	-	1.93	-	2.32
Alkalinity, Total (as CaCO3)	mg/L	10	-	123	-	132	-
Dissolved Organic Carbon	mg/L	1	-	4.45	-	4.89	-
Total Organic Carbon	mg/L	1	-	4.64	-	5.88	-
Aluminum (Al)-Total	mg/L	0.005	-	<0.0050	-	0.0164	-
Antimony (Sb)-Total	mg/L	0.0001	-	0.0001	-	0.00011	-
Arsenic (As)-Total	mg/L	0.0001	0.5	0.00016	-	0.00016	-
Barium (Ba)-Total	mg/L	0.0002	-	0.0467	-	0.0429	-
Beryllium (Be)-Total	mg/L	0.0001	-	<0.00010	-	<0.00010	-
Bismuth (Bi)-Total	mg/L	0.00005	-	<0.000050	-	<0.000050	-
Boron (B)-Total	mg/L	0.01	-	0.058	-	0.052	-
Cadmium (Cd)-Total	mg/L	0.00001	-	0.0000092	-	0.0000084	-
Calcium (Ca)-Total	mg/L	0.5	-	81.7	-	68.2	-
Cesium (Cs)-Total	mg/L	0.00001	-	-	-	-	-
Chromium (Cr)-Total	mg/L	0.0005	-	<0.00050	-	<0.00050	-
Cobalt (Co)-Total	mg/L	0.0001	-	<0.00010	-	<0.00010	-
Copper (Cu)-Total	mg/L	0.001	0.3	0.0012	-	0.0014	-
Iron (Fe)-Total	mg/L	0.05	-	0.027	-	0.04	-
Lead (Pb)-Total	mg/L	0.00005	0.2	<0.000050	-	<0.000050	-
Lithium (Li)-Total	mg/L	0.001	-	0.0273	-	0.0164	-
Magnesium (Mg)-Total	mg/L	0.05	-	41.9	-	39.5	-
Manganese (Mn)-Total	mg/L	0.0005	-	0.00154	-	0.00157	-
Mercury (Hg)-Total	mg/L	0.00001	-	<0.000010	-	<0.000010	-
Molybdenum (Mo)-Total	mg/L	0.00005	-	0.000311	-	0.000246	-
Nickel (Ni)-Total	mg/L	0.0005	0.5	0.00785	-	0.00844	-
Phosphorus (P)-Total	mg/L	0.05	-	-	-	-	-
Potassium (K)-Total	mg/L	0.05	-	2.17	-	2.01	-
Rubidium (Rb)-Total	mg/L	0.0002	-	-	-	-	-
Selenium (Se)-Total	mg/L	0.00005	-	<0.000050	-	<0.000050	-
Silicon (Si)-Total	mg/L	0.1	-	3.45	-	3.76	-
Silver (Ag)-Total	mg/L	0.00005	-	<0.000050	-	<0.000050	-
Sodium (Na)-Total	mg/L	0.5	-	12.6	-	11.5	-
Strontium (Sr)-Total	mg/L	0.001	-	0.0864	-	0.0717	-
Sulfur (S)-Total	mg/L	0.5	-	-	-	-	-
Tellurium (Te)-Total	mg/L	0.0002	-	-	-	-	-
Thallium (Tl)-Total	mg/L	0.00001	-	0.000012	-	0.000015	-
Thorium (Th)-Total	mg/L	0.0001	-	-	-	-	-
Tin (Sn)-Total	mg/L	0.0001	-	<0.00010	-	<0.00010	-
Titanium (Ti)-Total	mg/L	0.0003	-	0.00053	-	0.00079	-
Tungsten (W)-Total	mg/L	0.0001	-	<0.00010	-	<0.00010	-
Uranium (U)-Total	mg/L	0.00001	-	0.00132	-	0.00126	-
Vanadium (V)-Total	mg/L	0.0005	-	<0.00050	-	<0.00050	-
Zinc (Zn)-Total	mg/L	0.003	0.5	<0.0030	-	<0.0030	-
Zirconium (Zr)-Total	mg/L	0.0003	-	<0.00030	-	<0.00030	-
Oil and Grease, Total	mg/L	2	No Visible Sheen	<2.0	-	<2.0	-
Phenols (4AAP)	mg/L	0.001	-	<0.0010	-	0.0011	-
F1 (C6-C10)	ug/L	100	-	<100	-	<100	-
F2 (C10-C16)	ug/L	100	-	<100	-	<100	-
F3 (C16-C34)	ug/L	250	-	<250	-	<250	-
F4 (C34-C50)	ug/L	250	-	<250	-	<250	-
Total Hydrocarbons (C6-C50)	ug/L	380	-	<380	-	<380	-
Chrom. to baseline at nC50		n/a	-	YES	-	YES	-
2-Bromobenzotrifluoride	%	Surrogate	-	84.1	-	85	-
3,4-Dichlorotoluene	%	Surrogate	-	90.2	-	93	-

Notes:

Grey and 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 3: Flow and Volume Measurements-Part I Item 11 - July 2018

DATE	Camp Lake Freshwater Use (Mine Site Camp) - Daily Potable Water (m ³) MS-MRY-1	Treated Sewage Effluent (m ³) from MS-01 to Discharge Location #1	Treated Sewage Effluent (m ³) from MS-01b to Discharge Location #1	Sewage Sludge Removed (m ³) from Mine Site WWTP to Incinerator	Sewage Sludge Removed (m ³) from Mine Site WWTP to PWSP at Mine Site - MS-MRY-4b	Km 32 Lake Milne Port Camp Daily Potable Water (m ³) MP-MRY-3	Treated Sewage Effluent (m ³) from MP-01 to Milne Port	Sewage Sludge Removed (m ³) from Milne Port WWTP to Incinerator	Sewage Removed (m ³) from Lift Stations to PWSP at Milne Port - MP-01a	Km 32 Lake Milne Port Camp Fresh Water Use for Other Purposes (m ³) MP-MRY-3	Effluent Discharge (m ³) from Mine Site Waste Rock Stockpile Pond (MS-08)	Treated Oily Water (m ³) from Milne Port Snowdump Facility to Tundra (MP-04a)	Effluent Discharge (m ³) from Milne Port Ore Stockpile Sedimentation Pond (East) to Milne Port (MP-05)	Water Use for Dust Suppression from Authorized Sources	Treated Sewage Effluent (m ³) from PWSP to Sheardown Lake (MS-MRY-4b)	Sewage Sludge Removed (m ³) from Milne Port WWTP to PWSP at Milne Port - MP-01a	Treated Oily Water (m ³) from Exploration Camp Bulk Fuel Storage Facility to Tundra (MS-MRY-6)	Effluent Discharge (m3) from Crusher Pad Sedimentation Pond to Milne Port (MS-06)
1-Jul-18	90.9	90.9	13.0	0.0	11.4	34.4	41.0	0.3	0.0	6.7	931.2	0.0	0.0	340.7	0.0	0.0	0.0	0.0
2-Jul-18	96.0	96.0	13.0	0.0	32.0	43.0	50.7	0.0	0.0	7.7	1374.8	0.0	0.0	0.0	0.0	5.0	0.0	39.0
3-Jul-18	97.2	97.2	13.0	0.4	7.6	33.5	41.1	0.0	0.0	7.7	265.0	0.0	123.0	514.8	0.0	4.0	0.0	83.1
4-Jul-18	135.2	135.2	13.0	0.6	0.0	42.9	49.9	0.2	0.0	7.0	529.6	0.0	7.9	302.8	0.0	0.0	0.0	46.3
5-Jul-18	68.0	68.0	13.0	0.8	0.0	26.4	33.0	0.0	0.0	6.6	3826.4	0.0	0.0	696.5	0.0	2.5	0.0	78.4
6-Jul-18	139.3	139.3	13.0	0.8	0.0	33.7	38.9	0.4	8.5	5.2	805.8	0.0	0.0	90.8	0.0	0.0	0.0	56.0
7-Jul-18	58.7	58.7	13.0	0.8	0.0	39.5	47.8	0.4	0.0	8.2	80.0	0.0	0.0	181.7	0.0	0.0	0.0	56.5
8-Jul-18	115.0	115.0	17.0	1.0	0.0	34.8	41.9	0.0	0.0	7.0	1043.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-Jul-18	64.2	64.2	17.0	0.3	15.1	33.7	40.2	0.4	0.0	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10-Jul-18	97.3	97.3	17.0	0.8	0.0	38.8	46.4	0.3	0.0	7.6	2073.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11-Jul-18	134.9	134.9	17.0	0.6	0.0	44.5	52.3	0.4	0.0	7.7	1043.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
12-Jul-18	60.2	60.2	17.0	0.6	0.0	38.9	45.2	0.4	7.1	6.4	1403.7	0.0	0.0	151.4	0.0	0.0	0.0	57.8
13-Jul-18	100.3	100.3	17.0	0.6	0.0	40.5	48.1	0.4	0.0	7.6	2387.1	0.0	0.0	90.8	0.0	0.0	0.0	0.0
14-Jul-18	108.8	108.8	17.0	0.6	0.0	48.5	54.9	0.4	0.0	6.4	905.9	0.0	0.0	575.4	0.0	0.0	0.0	57.6
15-Jul-18	97.1	97.1	18.0	0.6	0.0	39.3	46.1	0.4	0.0	6.8	1469.9	0.0	0.0	514.8	0.0	0.0	0.0	44.5
16-Jul-18	143.3	143.3	18.0	0.6	0.0	44.7	50.8	0.4	0.0	6.2	1618.1	0.0	0.0	181.7	0.0	0.0	0.0	73.7
17-Jul-18	114.3	114.3	18.0	0.6	0.0	28.5	34.7	0.3	0.0	6.2	1631.9	0.0	0.0	583.0	0.0	0.0	0.0	70.8
18-Jul-18	114.1	114.1	18.0	0.6	0.0	49.8	56.2	0.0	0.0	6.4	0.0	0.0	0.0	673.8	0.0	0.0	0.0	58.9
19-Jul-18	104.6	104.6	18.0	0.6	0.0	42.7	50.4	0.2	0.0	7.7	253.0	0.0	0.0	378.5	0.0	0.0	0.0	74.2
20-Jul-18	102.8	102.8	18.0	0.7	0.0	45.2	52.0	0.0	1.0	6.8	621.7	0.0	0.0	393.7	0.0	3.6	0.0	76.9
21-Jul-18	107.4	107.4	18.0	1.0	0.0	43.9	51.2	0.0	0.0	7.3	1442.4	0.0	0.0	424.0	0.0	4.5	0.0	112.4
22-Jul-18	127.6	127.6	22.0	1.2	0.0	59.0	66.2	0.3	0.0	7.2	945.7	0.0	0.0	272.5	0.0	0.0	0.0	75.8
23-Jul-18	120.0	120.0	22.0	0.4	7.6	35.6	42.9	0.0	7.1	7.3	433.2	0.0	0.0	60.6	0.0	0.0	0.0	14.2
24-Jul-18	120.6	120.6	22.0	0.4	0.0	51.4	57.8	0.3	0.0	6.4	555.6	0.0	0.0	0.0	0.0	0.0	0.0	83.8
25-Jul-18	230.4	230.4	22.0	0.8	0.0	36.7	43.8	0.7	0.0	7.1	801.3	0.0	0.0	0.0	0.0	0.0	0.0	90.7
26-Jul-18	89.8	89.8	22.0	0.5	0.0	50.9	58.3	0.6	0.0	7.4	1007.8	0.0	123.7	0.0	0.0	0.0	0.0	96.0
27-Jul-18	54.1	54.1	22.0	0.8	0.0	29.5	37.4	0.5	0.0	7.9	0.0	0.0	157.8	0.0	0.0	0.0	0.0	97.0
28-Jul-18	146.5	146.5	22.0	0.7	0.0	60.2	68.2	0.3	0.0	8.0	0.0	0.0	369.7	0.0	0.0	0.0	0.0	66.1
29-Jul-18	101.0	101.0	22.0	0.4	0.0	37.5	45.3	0.7	0.0	7.9	0.0	0.0	252.8	0.0	0.0	0.0	0.0	0.0
30-Jul-18	88.1	88.1	22.0	0.9	0.0	41.6	50.1	0.7	0.0	8.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31-Jul-18	112.4	112.4	22.0	1.1	0.0	0.0	8.0	0.3	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.5
Total	3340.1	3340.1	556.0	20.3	73.6	1229.4	1450.8	9.2	23.7	221.4	27451.0	0.0	1034.9	6427.6	0.0	19.6	0.0	1582.3

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