Meliadine Gold Mine
NWB 2AM-MEL1631
October 2025 Monthly Report

Prepared for:
Nunavut Water Board

Prepared by:
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SECTION 1 • BACKGROUND

As required under Part I, Item 8 of amended Type A Water License 2AM-MEL1631, this report documents the water management and monitoring activities at the mine site and provides a summary of spills/actions for the month of October 2025.

SECTION 2 • WATER MANAGEMENT

2.1 WATER USAGE

Table 2.1 details monthly water usage approved under Water License 2AM-MEL1631.

Table 2.1: Summary of the monthly water usage in 2025

Usage	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2025 Total
MEL-11[1]	m^3	40,096	44,128	50,163	46,201	53,972	33,147	54,531	52,989	47,956	55,804	-	-	478,987
Dust suppression[2]	m^3	0	0	0	0	0	0	0	0	-	0	-	-	0.00
Dust suppression[3]	m^3	0	0	0	0	174	665	1,286	945	821	449	-	-	4,338

2.2 DEWATERING ACTIVITIES

One pond (1) pond (A8) was dewatered to Contact Water management facilities (Collection Pond 1) during the month as part of the permitted fish salvage.

2.3 WATER DISCHARGE

Table 2.3 details monthly water discharge, including:

- discharge from the EWTP to Meliadine Lake via the Final Discharge Point (MEL-14);
- discharge of treated saline effluent to Melvin Bay via the Final Discharge Point (MEL-26), and
- discharge from the Itivia fuel containment facility (MEL-25).

[1] Camp, Mill, Dust suppression

[2] Water obtained along AWAR/Meliadine River

[3] Reclaim water obtained from CP1 or other Contact Water management facilities and used for dust suppression on site

Table 2.3: Summary of the monthly water discharge in 2025

Location	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2025 Total
MEL-14	m^3	0	0	0	0	0	326,050[4]	403,228	314,572	77,018	72,956	-	-	1,193,824
MEL-26	m^3	0	0	0	0	0	0	0	0	0	0	-	-	0
MEL-25	m^3	0	0	0	0	0	0	0	1,500	0	0	-	-	1,500

2.4 SEEPAGE AND RUNOFF FROM THE LANDFILL AND LANDFARM

The 2AM-MEL1631 landfill and landfarm were commissioned in November 2017. No seepage or runoff was observed during the month.

As per the approved Landfill (Stage 4) Berm Raise Design Report and Monitoring station MEL-24 description Modification, water accumulated inside the landfill is pumped towards Pond H13, which is the current location seepage from the landfill flows towards.

2.5 SEWAGE TREATMENT PLANT

Table 2.5 details monthly discharge from the Sewage Treatment Plant (STP), including the treated wastewater discharge to CP1 and sludge removed and disposed of in the WRSF.

Table 2.5: Summary of the monthly disposal/discharge from the STP in 2025

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2025 Total
Wastewater Discharge (m^3)		4,973	4,474	4,930.4	4,876.5	5015.9	4,823	4,989	5,226	5,102	5,259	-	-	49,666
Sewage Sludge	Amount (m^3)	12	10	12.40	11.20	9.4	10.5	10.1	10.9	9.1	11.9	-	-	107.5
	Disposal Location	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	-	-	-

2.6 MONITORING ANALYTICAL DATA

Fourteen (14) samples related to the Water Licence were taken during the month. The analytical results are presented in Appendix.

[4] Volume of water discharge in Meliadine Lake in June was updated in July monthly report.

SECTION 3 • MATERIAL MANAGEMENT

3.1 LANDFILL / LANDFARM

Table 3.1 details quarterly Landfill and Landfarm survey results, as well as the amount of material placed in the Landfarm every month.

Table 3.1: Summary of the monthly disposal in the Landfarm and quarterly survey volumes of Landfill and Landfarm

Location	Unit	Q1			Q2			Q3			Q4			2025 Total
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Landfill (Survey)	m^3	33,105			27,277			27,190			27,190			-
Landfarm (Survey)	m^3	849[5]			712			704			704			-
Landfarm[6]	m^3	2	0.8	23.85	17.8	80.01	3	25.05	9.50	4.75	71	-	-	237.76

[5] From landfarm survey conducted in November 2024. Surveys of the Landfarm are generally not conducted during the winter months, as the presence of snow would not allow a representative survey of the soil quantity.
[6] Amount of contaminated solid material (soil) placed in the Landfarm or lined sorting area.

3.2 ORE, WASTE ROCK STORAGE FACILITY, TAILINGS

Table 3.2 details monthly material management, including processed ore, waste rock, and tailings.

Table 3.2: Summary of the monthly material management in 2025

Material (tonnes)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Cumulative 2025
Processed Ore		158,386	189,690	209,731	196,665	226,886	121,619	236,015	203,612	187,493	228,914	-	-	1,959,011
Waste Rock	Removed from open pit mining	382,704	369,748	457,569	528,808	610,631	242,664	460,794	390,587	341,553	319,705	-	-	4,104,763
	Removed from underground mining	99,563	87,430	89,629	80,238	50,097	65,115	62,408	59,047	91,143	81,747	-	-	766,418
	Used as underground dry rockfill	44,117	47,159	56,034	47,094	50,097	48,215	53,501	44,927	43,209	30,763	-	-	465,116
Tailings	Send to TSF	128,762	161,625	176,249	169,507	192,605	106,322	214,306	177,294	159,650	200,154	-	-	1,686,474
	Used as paste underground backfill	29,624	28,065	33,482	27,158	34,281	15,297	21,709	26,318	27,843	28,760	-	-	272,537

SECTION 4 SPILL MANAGEMENT

4.1 INTERNAL AND REPORTABLE SPILLS

Spills reported internally are listed in the table 4.1 and were managed according to Agnico Eagle's spill contingency plan. Spills were contained and cleaned up, contaminated material was disposed of in an appropriate manner, and the clean-up actions were monitored closely by the Environment Department. Three (3) reportable spills occurred during the month (Refer to the gray shading in Table 4.1).

Table 4.1: Summary of Agnico Eagle's Spill Reports during the month

Date and time of occurrence	Contaminant	Estimated quantity	Exact location of incident	Description of incident	Describe immediate corrective actions
Friday, October 03, 2025 2:00:00 PM	Engine oil and coolant	50L	WRSF1 Ramp	A loaded haul truck experienced a sudden engine failure while ascending WRSF1. A piston rod punctured the engine block, causing an estimated 50 L engine oil spill.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at the Landfarm.
Saturday, October 04, 2025 9:00:00 PM	Hydraulic Oil	140L	Tailing Dewatering Building	A worker in the Surface Operations department was operating a loader in the vicinity of the tailings dewatering building when a hydraulic line broke releasing approximately 140 L of hydraulic oil outside of the tailings dewatering building.	The Surface Operations employee immediately stopped the equipment and contacted their supervisor. A spill kit was deployed to contain the spill. Sand was placed around the spill to prevent hydraulic oil from being washed away during rainfall. Contaminated spill pads were put in an oily solids Quatrex bag and brought to a seacan at the hazardous materials laydown. Contaminated sand and excavated material were brought to Landfarm A for further remediation, as per the Spill Contingency Plan.
Tuesday, October 07, 2025 1:00:00 AM	Diesel Fuel	350L	3 Million Fuel Farm	During truck refueling, a malfunction in the Scully system failed to stop fuel flow, resulting in overfilling and a spill from the tank overflow	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped

				into secondary containment.	and disposed of at the Landfarm.
Tuesday, October 07, 2025 3:30:00 PM	Jet A Fuel	87L	Explo Helipad	During helicopter refueling, Jet-A fuel overflowed from the top of a 25-k tank due to the valve between the two Jet-A tanks not being closed.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at the Landfarm. Remediation is still ongoing.
Wednesday, October 08, 2025 1:30:00 AM		100L	CP1 dike	It was noted during an inspection of the EWTP to TIRI02 sludge line that sludge was leaking from a hugger, releasing approximately 100 L of EWTP sludge onto the ground at the southern toe of CP1.	Upon discovering the spill, the Energy and Infrastructure (E&I) employee contacted the EWTP operator and had the sludge line immediately shut down and locked out to prevent further leakage. The spilled EWTP sludge naturally made its way back into CP1 as the spill occurred on a downward slope facing CP1, and as such, no clean-up was required. The sludge line was repaired and put back into service. The Environment department was notified by the E&I supervisor once the dayshift began.
Friday, October 10, 2025 2:30:00 PM	Hydraulic oil	3L	Rondell Pad km 4	Hydraulic hose failure occurred as the telehandler was preparing to move material.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of in a hazmat bin
Tuesday, October 14, 2025 12:00:00 PM	hydraulic oil	10L	TIRI01	While completing mucking in Portal 3, the scoop operator exited the area and dumped the bucket at the muck pile. The partner then alerted the operator to an oil leak on the ground.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at the Landfarm.
Wednesday, October 15, 2025 3:00:00 AM	Hydraulic Oil	60L	TIRI01	While traveling with the loader, a rear differential component failed, causing an	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated

				estimated 60 L hydraulic oil spill	material was scrapped and disposed of at the Landfarm.
Wednesday, October 15, 2025 6:05:00 AM	Engine Oil	3L	Pump	Approximately 3L of engine oil spilled due to an improperly secured oil cap on a drill.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of in a hazmat bin
Wednesday, October 15, 2025 10:30:00 AM	Engine Oil	2L	MSB Core shack Drop zone	Approximately 20L of engine oil spilled due to a mechanical issue on a tractor.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at the Landfarm.
Monday, October 20, 2025 3:00:00 PM	Anti-freeze	1L	Portal 3	After winterizing the bolter with antifreeze, coolant overflowed upon restart due to excessive antifreeze added during the process.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin.
Wednesday, October 22, 2025 11:30:00 PM	Diesel Fuel	10L	Portal 3 laydown	An open-pit fuel man was refueling an underground scoop when fuel leaked past the tank cap while using the fast-fill nozzle.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at the Landfarm.
Sunday, October 26, 2025 1:00:00 PM	Diesel	6L	6 Million Fuel Farm	While beginning to refuel a pickup, the nozzle detached from the hose.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of in a hazmat bin
Friday, October 31, 2025 6:30:00 AM	Hydraulic Oil	2.00	AWAR Km8.8	A 2L spill of hydraulic spill from unknown equipment was discovered by Construction at KM8.8.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin.
Friday, October 31, 2025 12:30:00 PM	Sewage	30L	MSB	A Surface Operations employee was performing a sewage transfer at the MSB lift station when suddenly, they saw sewage leaking from around the tank level window at the back of the truck, causing a spill of	Upon discovering the leak, the Surface Operations employee reversed the valve on the sewage truck to positive pressure to prevent further spillage. He then called his supervisor and Environment personnel

				approximately 30 L of sewage onto the industrial pad.	to declare the spill. Surface Operations employees then used the vacuum truck to clean the sewage spilled on the ground. Additionally, the contaminated material was excavated and brought to the Landfarm A as per the Spill Contingency Plan.

Appendix – Monitoring Analytical Data

MEL-11		10/6/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.46
Dissolved Oxygen	**%**	94.3
Turbidity	**NTU**	0.2
Conductivity	**ms/cm**	0.121
Hardness, as CaCO3	**mg/L**	33.8
Total alkalinity, as CaCO3	**mg/L**	23
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	22
TDS	**mg/L**	55
TDS, calculated	**mg/L**	59
TSS	**mg/L**	< 1
Total organic carbon	**mg/L**	3.3
Dissolved organic carbon	**mg/L**	3.1
WQ03- Major Ions		
Chloride	**mg/L**	15
Cyanide	**mg/L**	< 0.00050
Cyanide (free)	**mg/L**	< 0.00050
Cyanide (WAD)	**mg/L**	< 0.00050
Silica	**mg/L**	0.35
Sulfate	**mg/L**	9.4
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	< 0.050
Nitrate (as N)	**mg/L**	< 0.10
Nitrite (as N)	**mg/L**	< 0.010
Total Kjeldahl nitrogen	**mg/L**	0.22
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	< 0.0030
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00067
Barium	**mg/L**	0.0102
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00086

Iron	**mg/L**	0.015
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Manganese	**mg/L**	0.0040
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Strontium	**mg/L**	0.0538
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	< 0.00010
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Aluminum	**mg/L**	< 0.0030
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00067
Barium	**mg/L**	0.0102
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	10.6
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00078
Iron	**mg/L**	0.0050
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Magnesium (Dissolved)	**mg/L**	1.82
Manganese	**mg/L**	< 0.0010
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Potassium (Dissolved)	**mg/L**	1.13
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	7.44
Strontium	**mg/L**	0.0575
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050

Uranium	**mg/L**	< 0.00010
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050
WQ10- Volatile Organics		
Benzene	**mg/L**	< 0.00020
Ethylbenzene	**mg/L**	< 0.00020
Toluene	**mg/L**	< 0.00020
Xylenes	**mg/L**	< 0.00040
m,p-Xylenes	**mg/L**	< 0.00040
o-Xylene	**mg/L**	< 0.00020
F1 (C6-C10)-BTEX	**mg/L**	< 0.025
F1 (C6-C10)	**mg/L**	< 0.025
F2 (C10-C16)	**mg/L**	< 0.09
F3 (C16-C34)	**mg/L**	< 0.2
F4 (C34-C50)	**mg/L**	< 0.2

MEL-12		10/6/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.93
Dissolved Oxygen	**%**	112.1
Turbidity	**NTU**	2.7
Conductivity	**ms/cm**	3.19
Hardness, as CaCO3	**mg/L**	716
Total alkalinity, as CaCO3	**mg/L**	110
TDS	**mg/L**	1950
TDS, calculated	**mg/L**	1800
TSS	**mg/L**	7
Total organic carbon	**mg/L**	11
WQ03- Major Ions		
Chloride	**mg/L**	610
Cyanide	**mg/L**	0.00282
Fluoride	**mg/L**	0.10
Silica	**mg/L**	1.7
Sulfate	**mg/L**	410
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	1.9
Nitrate (as N)	**mg/L**	13.3
Nitrite (as N)	**mg/L**	0.200
Total phosphorus	**mg/L**	0.064

Orthophosphate (P)	**mg/L**	0.013
WQ06- Total Metals		
Aluminum	**mg/L**	0.0975
Arsenic	**mg/L**	0.0189
Barium	**mg/L**	0.0554
Cadmium	**mg/L**	< 0.000020
Chromium	**mg/L**	< 0.0020
Copper	**mg/L**	0.0031
Iron	**mg/L**	0.387
Lead	**mg/L**	0.00059
Manganese	**mg/L**	0.132
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0062
Nickel	**mg/L**	0.0097
Selenium	**mg/L**	0.00093
Silver	**mg/L**	< 0.000040
Thallium	**mg/L**	< 0.000020
Titanium	**mg/L**	< 0.010
Zinc	**mg/L**	< 0.010
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	185
Magnesium (Dissolved)	**mg/L**	60.0
Potassium (Dissolved)	**mg/L**	25.2
Sodium (Dissolved)	**mg/L**	343

MEL-13		10/3/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.70
Dissolved Oxygen	**mg/L**	11.6
Turbidity	**NTU**	0.3
Conductivity	**ms/cm**	0.242
Hardness, as CaCO3	**mg/L**	39.8
Total alkalinity, as CaCO3	**mg/L**	27
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	27
TDS	**mg/L**	80
TDS, calculated	**mg/L**	76
TSS	**mg/L**	< 1
Total organic carbon	**mg/L**	3.5
Dissolved organic carbon	**mg/L**	3.5

WQ03- Major Ions		
Chloride	**mg/L**	21
Cyanide	**mg/L**	< 0.00050
Cyanide (free)	**mg/L**	0.00073
Cyanide (WAD)	**mg/L**	< 0.00050
Silica	**mg/L**	0.31
Sulfate	**mg/L**	14
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	< 0.050
Un-Ionized Ammonia, calculated	**mg/L**	< 0.0004
Nitrate (as N)	**mg/L**	< 0.10
Nitrite (as N)	**mg/L**	< 0.010
Total Kjeldahl nitrogen	**mg/L**	0.16
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.00473
Antimony	**mg/L**	0.000028
Arsenic	**mg/L**	0.000722
Barium	**mg/L**	0.0112
Beryllium	**mg/L**	< 0.000010
Boron	**mg/L**	< 0.01
Cadmium	**mg/L**	< 0.0000050
Chromium	**mg/L**	0.00015
Cobalt	**mg/L**	0.0000250
Copper	**mg/L**	0.00104
Iron	**mg/L**	0.0092
Lead	**mg/L**	< 0.0000050
Lithium	**mg/L**	0.00115
Manganese	**mg/L**	0.00388
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.000179
Nickel	**mg/L**	0.000769
Selenium	**mg/L**	0.000044
Silver	**mg/L**	< 0.0000050
Strontium	**mg/L**	0.0719
Thallium	**mg/L**	0.0000031
Tin	**mg/L**	< 0.00020
Titanium	**mg/L**	< 0.00050
Uranium	**mg/L**	0.0000438
Vanadium	**mg/L**	< 0.00020
Zinc	**mg/L**	0.00037
WQ07- Dissolved Metals		

Aluminum	**mg/L**	0.00215
Antimony	**mg/L**	0.000021
Arsenic	**mg/L**	0.000663
Barium	**mg/L**	0.0109
Beryllium	**mg/L**	< 0.000010
Boron	**mg/L**	< 0.01
Cadmium	**mg/L**	< 0.0000050
Calcium (Dissolved)	**mg/L**	11.8
Chromium	**mg/L**	0.00020
Cobalt	**mg/L**	0.0000187
Copper	**mg/L**	0.00111
Iron	**mg/L**	0.0031
Lead	**mg/L**	< 0.0000050
Lithium	**mg/L**	0.00109
Magnesium (Dissolved)	**mg/L**	2.22
Manganese	**mg/L**	0.000343
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.000163
Nickel	**mg/L**	0.000730
Potassium (Dissolved)	**mg/L**	1.26
Selenium	**mg/L**	0.000050
Silver	**mg/L**	< 0.0000050
Sodium (Dissolved)	**mg/L**	9.13
Strontium	**mg/L**	0.0702
Thallium	**mg/L**	0.0000024
Tin	**mg/L**	< 0.00020
Titanium	**mg/L**	< 0.00050
Uranium	**mg/L**	0.0000370
Vanadium	**mg/L**	< 0.00020
Zinc	**mg/L**	0.00048
WQ08- Radionuclides		
Radium-226	**Bq/l**	< 0.0050
WQ10- Volatile Organics		
Benzene	**mg/L**	< 0.00020
Ethylbenzene	**mg/L**	< 0.00020
Toluene	**mg/L**	< 0.00020
Xylenes	**mg/L**	< 0.00040
m,p-Xylenes	**mg/L**	< 0.00040
o-Xylene	**mg/L**	< 0.00020
F1 (C6-C10)-BTEX	**mg/L**	< 0.025
F1 (C6-C10)	**mg/L**	< 0.025
F2 (C10-C16)	**mg/L**	< 0.09
F3 (C16-C34)	**mg/L**	< 0.2
F4 (C34-C50)	**mg/L**	< 0.2

MEL-14						10/6/2025
Parameter	MDMER MAX GRAB	MDMER MAX MONTHLY MEAN	2AM-MEL1631 MEL-14 MAX GRAB	2AM-MEL1631 MEL-14 MAX MEAN	Unit	
WQ02- Conventional Parameters						
pH	9.5	9.5	9.5	9.5	**pH units**	7.74
Dissolved Oxygen					**mg/L**	10.9
Turbidity					**NTU**	1.4
Conductivity					**ms/cm**	3.18
Hardness, as CaCO3					**mg/L**	696
Total alkalinity, as CaCO3					**mg/L**	100
Carbonate, as CaCO3					**mg/L**	< 1.0
Bicarbonate, as CaCO3					**mg/L**	100
TDS			4500	3500	**mg/L**	2000
TDS, calculated			4500	3500	**mg/L**	1900
TSS	30	15	30	15	**mg/L**	6
Total organic carbon					**mg/L**	11
Dissolved organic carbon					**mg/L**	10
WQ03- Major Ions						
Chloride					**mg/L**	720
Cyanide	1	0.5	1	0.5	**mg/L**	0.00264
Cyanide (free)					**mg/L**	0.00199
Cyanide (WAD)					**mg/L**	0.0019
Silica					**mg/L**	1.7
Sulfate					**mg/L**	400
WQ04- Nutrients and Chlorophyll a						
Ammonia Nitrogen (as N)			18	14	**mg/L**	1.8
Un-Ionized Ammonia, calculated	1	0.5			**mg/L**	0.0086
Nitrate (as N)					**mg/L**	12.8
Nitrite (as N)					**mg/L**	0.215
Total Kjeldahl nitrogen					**mg/L**	3.2

Total phosphorus			4	2	**mg/L**	0.032
Orthophosphate (P)					**mg/L**	< 0.010
WQ06- Total Metals						
Aluminum			3	2	**mg/L**	0.814
Antimony					**mg/L**	0.0016
Arsenic	0.6	0.3	0.6	0.3	**mg/L**	0.00962
Barium					**mg/L**	0.0534
Beryllium					**mg/L**	< 0.00020
Boron					**mg/L**	0.25
Cadmium					**mg/L**	< 0.000020
Chromium					**mg/L**	< 0.0020
Cobalt					**mg/L**	0.00145
Copper	0.6	0.3	0.4	0.2	**mg/L**	0.0026
Iron					**mg/L**	0.060
Lead	0.2	0.1	0.2	0.1	**mg/L**	< 0.00040
Lithium					**mg/L**	0.0256
Manganese					**mg/L**	0.118
Mercury					**mg/L**	< 0.00001
Molybdenum					**mg/L**	0.0060
Nickel	1	0.5	1	0.5	**mg/L**	0.0092
Selenium					**mg/L**	0.00098
Silver					**mg/L**	< 0.000040
Strontium					**mg/L**	1.58
Thallium					**mg/L**	< 0.000020
Tin					**mg/L**	< 0.010
Titanium					**mg/L**	< 0.010
Uranium					**mg/L**	0.00587
Vanadium					**mg/L**	< 0.010
Zinc	1	0.5	0.8	0.4	**mg/L**	< 0.010
WQ07- Dissolved Metals						
Aluminum			3	2	**mg/L**	0.178

Antimony					**mg/L**	0.0016
Arsenic	0.6	0.3	0.6	0.3	**mg/L**	0.00547
Barium					**mg/L**	0.0522
Beryllium					**mg/L**	< 0.00020
Boron					**mg/L**	0.24
Cadmium					**mg/L**	0.000020
Calcium (Dissolved)					**mg/L**	178
Chromium					**mg/L**	< 0.0020
Cobalt					**mg/L**	0.00147
Copper	0.6	0.3	0.4	0.2	**mg/L**	0.00275
Iron					**mg/L**	< 0.010
Lead	0.2	0.1	0.2	0.1	**mg/L**	< 0.00040
Lithium					**mg/L**	0.0243
Magnesium (Dissolved)					**mg/L**	60.0
Manganese					**mg/L**	0.121
Mercury					**mg/L**	< 0.00001
Molybdenum					**mg/L**	0.0061
Nickel	1	0.5	1	0.5	**mg/L**	0.0094
Potassium (Dissolved)					**mg/L**	25.3
Selenium					**mg/L**	0.00100
Silver					**mg/L**	< 0.000040
Sodium (Dissolved)					**mg/L**	337
Strontium					**mg/L**	1.59
Thallium					**mg/L**	< 0.000020
Tin					**mg/L**	< 0.010
Titanium					**mg/L**	< 0.010
Uranium					**mg/L**	0.00556
Vanadium					**mg/L**	< 0.010
Zinc	1	0.5	0.8	0.4	**mg/L**	< 0.010
Potassium (SW6010)					**mg/L**	28
Calcium (SW6010)					**mg/L**	180

Sodium (SW6010)					**mg/L**	360
Magnesium (SW6010)					**mg/L**	62
WQ08- Radionuclides						
Radium-226	1.11	0.37			**Bq/l**	0.010
WQ09- Toxicity						
Daphnia 48 h static acute test - LC50					**%**	>100
Daphnia 48 h Static Acute Test - EC50					**%**	>100
LC50 (96h) - Rainbow Trout					**%**	>100
WQ10- Volatile Organics						
Benzene					**mg/L**	< 0.00020
Ethylbenzene					**mg/L**	< 0.00020
Toluene					**mg/L**	< 0.00020
Xylenes					**mg/L**	< 0.00040
m,p-Xylenes					**mg/L**	< 0.00040
o-Xylene					**mg/L**	< 0.00020
F1 (C6-C10)-BTEX					**mg/L**	< 0.025
F1 (C6-C10)					**mg/L**	< 0.025
F2 (C10-C16)					**mg/L**	< 0.09
F3 (C16-C34)					**mg/L**	< 0.2
F4 (C34-C50)					**mg/L**	< 0.2

MEL-15		10/3/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.56
Dissolved Oxygen	**%**	126.6
Turbidity	**NTU**	0.5
Conductivity	**ms/cm**	0.356
Hardness, as CaCO3	**mg/L**	144
Total alkalinity, as CaCO3	**mg/L**	71
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	71
TDS	**mg/L**	230
TDS, calculated	**mg/L**	190
TSS	**mg/L**	1
Total organic carbon	**mg/L**	7.9
Dissolved organic carbon	**mg/L**	7.8
WQ03- Major Ions		
Chloride	**mg/L**	33
Cyanide	**mg/L**	0.00053
Cyanide (free)	**mg/L**	< 0.00050
Cyanide (WAD)	**mg/L**	< 0.00050
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	2.5
Sulfate	**mg/L**	57
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	< 0.050
Nitrate (as N)	**mg/L**	< 0.10
Nitrite (as N)	**mg/L**	< 0.010
Total Kjeldahl nitrogen	**mg/L**	0.41
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0036
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00481
Barium	**mg/L**	0.0313
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00108
Iron	**mg/L**	0.105

Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0030
Manganese	**mg/L**	0.0134
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	0.0018
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Strontium	**mg/L**	0.262
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	0.00042
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Aluminum	**mg/L**	< 0.0030
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00410
Barium	**mg/L**	0.0296
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	43.2
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00082
Iron	**mg/L**	0.0666
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0028
Magnesium (Dissolved)	**mg/L**	5.00
Manganese	**mg/L**	0.0084
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	0.0015
Potassium (Dissolved)	**mg/L**	2.11
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	10.7
Strontium	**mg/L**	0.230
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	0.00043

Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050

MEL-16		10/3/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.72
Dissolved Oxygen	**%**	128.9
Turbidity	**NTU**	0.3
Conductivity	**ms/cm**	0.205
Hardness, as CaCO3	**mg/L**	71.8
Total alkalinity, as CaCO3	**mg/L**	51
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	50
TDS	**mg/L**	110
TDS, calculated	**mg/L**	100
TSS	**mg/L**	< 1
Total organic carbon	**mg/L**	4.4
Dissolved organic carbon	**mg/L**	4.4
WQ03- Major Ions		
Chloride	**mg/L**	23
Cyanide	**mg/L**	< 0.00050
Cyanide (free)	**mg/L**	< 0.00050
Cyanide (WAD)	**mg/L**	< 0.00050
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	0.33
Sulfate	**mg/L**	14
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	< 0.050
Nitrate (as N)	**mg/L**	< 0.10
Nitrite (as N)	**mg/L**	< 0.010
Nitrate + nitrite (as N)	**mg/L**	< 0.10
Total Kjeldahl nitrogen	**mg/L**	0.26
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0046
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00754
Barium	**mg/L**	0.0290
Beryllium	**mg/L**	< 0.00010

Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (total)	**mg/L**	23.4
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00107
Iron	**mg/L**	0.064
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Magnesium (total)	**mg/L**	3.26
Manganese	**mg/L**	0.0044
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Potassium (total)	**mg/L**	1.74
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (total)	**mg/L**	8.09
Strontium	**mg/L**	0.123
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	< 0.00010
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Aluminum	**mg/L**	< 0.0030
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00673
Barium	**mg/L**	0.0288
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	21.5
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00099
Iron	**mg/L**	0.0291
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Magnesium (Dissolved)	**mg/L**	2.97
Manganese	**mg/L**	0.0016
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010

Potassium (Dissolved)	**mg/L**	1.74
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	7.53
Strontium	**mg/L**	0.117
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	< 0.00010
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050

MEL-17		10/3/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.70
Turbidity	**NTU**	0.9
Conductivity	**ms/cm**	0.533
Hardness, as CaCO3	**mg/L**	200
Total alkalinity, as CaCO3	**mg/L**	78
Carbonate, as CaCO3	**mg/L**	<1.0
Bicarbonate, as CaCO3	**mg/L**	78
TDS	**mg/L**	365
TDS, calculated	**mg/L**	300
TSS	**mg/L**	1
Total organic carbon	**mg/L**	10
Dissolved organic carbon	**mg/L**	10
WQ03- Major Ions		
Chloride	**mg/L**	64
Cyanide	**mg/L**	0.00088
Cyanide (free)	**mg/L**	0.00073
Cyanide (WAD)	**mg/L**	0.00068
Silica	**mg/L**	2.6
Sulfate	**mg/L**	94
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	<0.050
Nitrate (as N)	**mg/L**	<0.10
Nitrite (as N)	**mg/L**	<0.010
Total Kjeldahl nitrogen	**mg/L**	0.53
Total phosphorus	**mg/L**	<0.020
Orthophosphate (P)	**mg/L**	<0.010

WQ06- Total Metals		
Aluminum	**mg/L**	0.0053
Antimony	**mg/L**	<0.00050
Arsenic	**mg/L**	0.00169
Barium	**mg/L**	0.0450
Beryllium	**mg/L**	<0.00010
Boron	**mg/L**	<0.050
Cadmium	**mg/L**	<0.000010
Chromium	**mg/L**	<0.0010
Copper	**mg/L**	0.00125
Iron	**mg/L**	0.201
Lead	**mg/L**	<0.00020
Lithium	**mg/L**	0.0060
Manganese	**mg/L**	0.0442
Mercury	**mg/L**	<0.00001
Molybdenum	**mg/L**	<0.0010
Nickel	**mg/L**	0.0025
Selenium	**mg/L**	<0.00010
Silver	**mg/L**	<0.000020
Strontium	**mg/L**	0.445
Thallium	**mg/L**	<0.000010
Tin	**mg/L**	<0.0050
Titanium	**mg/L**	<0.0050
Uranium	**mg/L**	0.00027
Vanadium	**mg/L**	<0.0050
Zinc	**mg/L**	<0.0050
WQ07- Dissolved Metals		
Aluminum	**mg/L**	<0.0030
Antimony	**mg/L**	<0.00050
Arsenic	**mg/L**	0.00154
Barium	**mg/L**	0.0446
Beryllium	**mg/L**	<0.00010
Boron	**mg/L**	<0.050
Cadmium	**mg/L**	<0.000010
Calcium (Dissolved)	**mg/L**	59.3
Chromium	**mg/L**	<0.0010
Copper	**mg/L**	0.00108
Iron	**mg/L**	0.114
Lead	**mg/L**	<0.00020
Lithium	**mg/L**	0.0060
Magnesium (Dissolved)	**mg/L**	8.60
Manganese	**mg/L**	0.0364
Mercury	**mg/L**	<0.00001

Molybdenum	**mg/L**	<0.0010
Nickel	**mg/L**	0.0022
Potassium (Dissolved)	**mg/L**	3.67
Selenium	**mg/L**	<0.00010
Silver	**mg/L**	<0.000020
Sodium (Dissolved)	**mg/L**	21.7
Strontium	**mg/L**	0.428
Thallium	**mg/L**	<0.000010
Tin	**mg/L**	<0.0050
Titanium	**mg/L**	<0.0050
Uranium	**mg/L**	0.00029
Vanadium	**mg/L**	<0.0050
Zinc	**mg/L**	<0.0050

MEL-18		10/3/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.69
Dissolved Oxygen	**%**	132.2
Turbidity	**NTU**	0.7
Conductivity	**ms/cm**	0.344
Hardness, as CaCO3	**mg/L**	131
Total alkalinity, as CaCO3	**mg/L**	56
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	56
TDS	**mg/L**	230
TDS, calculated	**mg/L**	180
TSS	**mg/L**	1
Total organic carbon	**mg/L**	5.4
Dissolved organic carbon	**mg/L**	5.3
WQ03- Major Ions		
Chloride	**mg/L**	48
Cyanide	**mg/L**	0.00056
Cyanide (free)	**mg/L**	< 0.00050
Cyanide (WAD)	**mg/L**	< 0.00050
Silica	**mg/L**	1.0
Sulfate	**mg/L**	37
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	< 0.050
Nitrate (as N)	**mg/L**	< 0.10
Nitrite (as N)	**mg/L**	< 0.010

Total Kjeldahl nitrogen	**mg/L**	0.28
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0046
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00401
Barium	**mg/L**	0.0282
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00095
Iron	**mg/L**	0.079
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0118
Manganese	**mg/L**	0.0113
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	0.0011
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Strontium	**mg/L**	0.305
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	0.00011
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Aluminum	**mg/L**	< 0.0030
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00327
Barium	**mg/L**	0.0279
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	39.5
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00081
Iron	**mg/L**	0.0276
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0113

Magnesium (Dissolved)	**mg/L**	5.29
Manganese	**mg/L**	0.0053
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Potassium (Dissolved)	**mg/L**	2.03
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	10.3
Strontium	**mg/L**	0.288
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	0.00012
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050

MEL-19		10/2/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.90
Dissolved Oxygen	**%**	94
Turbidity	**NTU**	7.7
Hardness, as CaCO3	**mg/L**	985
Hardness, as CaCO3-Dissolved	**mg/L**	1020
Total alkalinity, as CaCO3	**mg/L**	120
TDS	**mg/L**	3100
TDS, calculated	**mg/L**	2900
TSS	**mg/L**	13
WQ03- Major Ions		
Chloride	**mg/L**	1100
Cyanide	**mg/L**	0.00145
Fluoride	**mg/L**	0.19
Silica	**mg/L**	1.6
Sulfate	**mg/L**	720
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.16
Nitrate (as N)	**mg/L**	17.0
Nitrite (as N)	**mg/L**	0.025
Nitrate + nitrite (as N)	**mg/L**	17.0
Total phosphorus	**mg/L**	0.034

Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.198
Arsenic	**mg/L**	0.0129
Barium	**mg/L**	0.0677
Cadmium	**mg/L**	0.000081
Chromium	**mg/L**	< 0.0020
Copper	**mg/L**	0.0060
Iron	**mg/L**	0.297
Lead	**mg/L**	0.00050
Manganese	**mg/L**	0.149
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0036
Nickel	**mg/L**	0.0504
Selenium	**mg/L**	0.00215
Silver	**mg/L**	< 0.000040
Thallium	**mg/L**	0.000023
Titanium	**mg/L**	< 0.010
Zinc	**mg/L**	< 0.010
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	238
Magnesium (Dissolved)	**mg/L**	102
Potassium (Dissolved)	**mg/L**	38.4
Sodium (Dissolved)	**mg/L**	567

MEL-20		10/2/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.74
Dissolved Oxygen	**%**	87.2
Turbidity	**NTU**	18
Conductivity	**ms/cm**	9.88
Hardness, as CaCO3	**mg/L**	2020
Total alkalinity, as CaCO3	**mg/L**	150
TDS	**mg/L**	6440
TDS, calculated	**mg/L**	6300
TSS	**mg/L**	22
Total organic carbon	**mg/L**	16
WQ03- Major Ions		
Chloride	**mg/L**	2700
Cyanide	**mg/L**	0.00424
Cyanide (free)	**mg/L**	0.00189

Cyanide (WAD)	**mg/L**	0.0017
Silica	**mg/L**	5.8
Sulfate	**mg/L**	1200
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	17
Nitrate (as N)	**mg/L**	78.5
Nitrite (as N)	**mg/L**	0.875
Total phosphorus	**mg/L**	0.061
Orthophosphate (P)	**mg/L**	0.014
WQ06- Total Metals		
Aluminum	**mg/L**	0.299
Arsenic	**mg/L**	0.0983
Barium	**mg/L**	0.0862
Cadmium	**mg/L**	0.000545
Chromium	**mg/L**	< 0.0050
Copper	**mg/L**	0.0077
Iron	**mg/L**	0.880
Lead	**mg/L**	0.0054
Manganese	**mg/L**	1.20
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0089
Nickel	**mg/L**	0.110
Selenium	**mg/L**	0.00470
Silver	**mg/L**	< 0.00010
Thallium	**mg/L**	0.000060
Titanium	**mg/L**	< 0.025
Zinc	**mg/L**	< 0.025
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	448
Magnesium (Dissolved)	**mg/L**	228
Potassium (Dissolved)	**mg/L**	71.8
Sodium (Dissolved)	**mg/L**	1290

MEL-21		10/2/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.92
Dissolved Oxygen	**%**	87.4
Turbidity	**NTU**	26
Hardness, as CaCO3	**mg/L**	1080
Total alkalinity, as CaCO3	**mg/L**	180

TDS	**mg/L**	3480
TDS, calculated	**mg/L**	3400
TSS	**mg/L**	32
WQ03- Major Ions		
Chloride	**mg/L**	1300
Cyanide	**mg/L**	0.0344
Fluoride	**mg/L**	0.21
Silica	**mg/L**	5.0
Sulfate	**mg/L**	760
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	9.6
Nitrate (as N)	**mg/L**	23.1
Nitrite (as N)	**mg/L**	0.292
Total phosphorus	**mg/L**	0.056
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.797
Arsenic	**mg/L**	0.0755
Barium	**mg/L**	0.0658
Cadmium	**mg/L**	0.000115
Chromium	**mg/L**	< 0.0050
Copper	**mg/L**	0.0071
Iron	**mg/L**	1.32
Lead	**mg/L**	0.0066
Manganese	**mg/L**	0.429
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0131
Nickel	**mg/L**	0.0436
Selenium	**mg/L**	0.00183
Silver	**mg/L**	< 0.00010
Thallium	**mg/L**	< 0.000050
Titanium	**mg/L**	0.030
Zinc	**mg/L**	< 0.025
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	218
Magnesium (Dissolved)	**mg/L**	125
Potassium (Dissolved)	**mg/L**	45.7
Sodium (Dissolved)	**mg/L**	732

MEL-22		10/2/2025
Parameter	**Unit**	

WQ02- Conventional Parameters		
pH	**pH units**	7.71
Dissolved Oxygen	**%**	83.1
Turbidity	**NTU**	4.0
Hardness, as CaCO3	**mg/L**	1240
Total alkalinity, as CaCO3	**mg/L**	100
TDS	**mg/L**	3010
TDS, calculated	**mg/L**	2800
TSS	**mg/L**	8
WQ03- Major Ions		
Chloride	**mg/L**	1200
Cyanide	**mg/L**	0.00186
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	4.9
Sulfate	**mg/L**	550
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	2.3
Nitrate (as N)	**mg/L**	12.0
Nitrite (as N)	**mg/L**	0.068
Total phosphorus	**mg/L**	0.028
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.162
Arsenic	**mg/L**	0.00871
Barium	**mg/L**	0.0652
Cadmium	**mg/L**	0.000063
Chromium	**mg/L**	< 0.0020
Copper	**mg/L**	0.0036
Iron	**mg/L**	0.569
Lead	**mg/L**	0.00070
Manganese	**mg/L**	0.521
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0041
Nickel	**mg/L**	0.0318
Selenium	**mg/L**	0.00038
Silver	**mg/L**	< 0.000040
Thallium	**mg/L**	0.000033
Titanium	**mg/L**	< 0.010
Zinc	**mg/L**	0.016
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	337

Magnesium (Dissolved)	**mg/L**	102
Potassium (Dissolved)	**mg/L**	37.4
Sodium (Dissolved)	**mg/L**	429

MEL-23		10/2/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.91
Dissolved Oxygen	**%**	85
Turbidity	**NTU**	11
Hardness, as CaCO3	**mg/L**	1310
Total alkalinity, as CaCO3	**mg/L**	140
TDS	**mg/L**	4120
TDS, calculated	**mg/L**	3900
TSS	**mg/L**	17
WQ03- Major Ions		
Chloride	**mg/L**	1600
Cyanide	**mg/L**	0.00159
Fluoride	**mg/L**	0.25
Silica	**mg/L**	3.6
Sulfate	**mg/L**	830
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	2.6
Nitrate (as N)	**mg/L**	15.0
Nitrite (as N)	**mg/L**	0.373
Total phosphorus	**mg/L**	0.038
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.365
Arsenic	**mg/L**	0.0173
Barium	**mg/L**	0.0521
Cadmium	**mg/L**	0.000148
Chromium	**mg/L**	< 0.0050
Copper	**mg/L**	0.0050
Iron	**mg/L**	0.537
Lead	**mg/L**	0.0014
Manganese	**mg/L**	0.370
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0102
Nickel	**mg/L**	0.112
Selenium	**mg/L**	0.00193

Silver	**mg/L**	< 0.00010
Thallium	**mg/L**	< 0.000050
Titanium	**mg/L**	< 0.025
Zinc	**mg/L**	< 0.025
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	243
Magnesium (Dissolved)	**mg/L**	163
Potassium (Dissolved)	**mg/L**	59.6
Sodium (Dissolved)	**mg/L**	822

MEL-SR1		10/4/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	8.02
Turbidity	**NTU**	0.5
Hardness, as CaCO3	**mg/L**	551
Total alkalinity, as CaCO3	**mg/L**	230
TDS, calculated	**mg/L**	1100
TSS	**mg/L**	1
WQ03- Major Ions		
Chloride	**mg/L**	370
Cyanide	**mg/L**	<0.00050
Fluoride	**mg/L**	0.16
Silica	**mg/L**	4.4
Sulfate	**mg/L**	260
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.24
Nitrate (as N)	**mg/L**	0.67
Nitrite (as N)	**mg/L**	0.015
Total phosphorus	**mg/L**	<0.020
Orthophosphate (P)	**mg/L**	<0.010
WQ05- General Organics		
Total oil and grease	**mg/L**	<0.50
WQ06- Total Metals		
Aluminum	**mg/L**	0.0166
Arsenic	**mg/L**	0.00574
Barium	**mg/L**	0.0600
Cadmium	**mg/L**	0.000026
Chromium	**mg/L**	<0.0010
Copper	**mg/L**	0.00353
Iron	**mg/L**	0.0154

Lead	**mg/L**	<0.00020
Manganese	**mg/L**	0.0249
Mercury	**mg/L**	<0.00001
Molybdenum	**mg/L**	0.0013
Nickel	**mg/L**	0.0266
Selenium	**mg/L**	0.00013
Silver	**mg/L**	<0.000020
Thallium	**mg/L**	0.000010
Zinc	**mg/L**	0.0226
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	132
Magnesium (Dissolved)	**mg/L**	36.8
Potassium (Dissolved)	**mg/L**	16.7
Sodium (Dissolved)	**mg/L**	165