Meliadine Gold Mine
NWB 2AM-MEL1631
July 2026 Monthly Report

Prepared for:
Nunavut Water Board

Prepared by:
Agnico Eagle Mines Limited – Meliadine Division

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SECTION 1 • BACKGROUND

As required under Part I, Item 9 of amended Type A Water Licence 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 July 2026.

SECTION 2 • WATER MANAGEMENT

2.1 WATER USAGE

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

Table 2.1: Summary of the monthly water usage in 2026

Usage	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2026 Total
MEL-11[1]	m^3	46,087	41,721	54,999	53,024	53,994	48,709	56,452	-	-	-	-	-	354,986
Dust suppression[2]	m^3	0	0	0	0	1	0[3]	0	-	-	-	-	-	1
Dust suppression[4]	m^3	0	0	0	0	0	60	487.5	-	-	-	-	-	547.5

2.2 DEWATERING ACTIVITIES

Lake A6 dewatering started on July 24. In July, 5,340 m^3 was transferred from A6 to CP1, and 160,072 m^3 was transferred from A6 to Meliadine Lake.

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] June value was corrected in July Report. No water obtained along AWAR/Meliadine River was used for dust suppression in June.

[4] 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 2026

Location	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2026 Total
MEL-14	m^3	0	0	0	0	0	265,231	472,305	-	-	-	-	-	737,536
MEL-26	m^3	0	0	0	0	0	0	0	-	-	-	-	-	0
MEL-25	m^3	0	0	0	0	0	936	0	-	-	-	-	-	936

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 Water Licence MEL-24 description, 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 2026

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2026 Total
Wastewater Discharge (m^3)		5,404	4,622	4,401	4,828	5,592	5,255	5,261	-	-	-	-	-	35,362.6
Sewage Sludge	Amount (m^3)	8.2	75.5	7.7	10	8.7	7.7	5.6	-	-	-	-	-	123.4
	Disposal Location	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	-	-	-	-	-	N/A

2.6 MONITORING ANALYTICAL DATA

Nineteen (19) samples related to the Water Licence were taken during the month. The analytical results are presented in Appendix.

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			2026 Total
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Landfill (Survey)	m^3	32,832[5]			30,652			-			-			-
Landfarm (Survey)	m^3	704[6]			776			-			-			-
Landfarm[7]	m^3	3	9	2.85	4.25	5.5	10.8	10.3	-	-	-	-	-	45.7

[5] From landfill survey conducted in December 2025. Surveys of the Landfill are generally not conducted during the winter months, as the presence of snow would not allow a representative survey of the soil quantity.
[6] From landfarm survey conducted in October 2025. 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.
[7] 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 2026

Material (tonnes)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Cumulative 2026
Processed Ore		184,299	153,108	220,849	219,396	227,320	201,514	228,203	-	-	-	-	-	1,434,689
Waste Rock	Removed from open pit mining	110,145	250,637	427,834	629,818	465,110	365,515	308,079	-	-	-	-	-	2,557,138
	Removed from underground mining	82,316	83,645	100,588	85,214	91,617	76,801	46,437	-	-	-	-	-	566,618
	Used as underground dry rockfill	32,431	28,224	39,417	30,834	41,170	43,182	20,054	-	-	-	-	-	235,312
Tailings	Send to TSF	159,000	118,837	181,127	186,834	187,972	174,917	215,207	-	-	-	-	-	1,223,893
	Used as paste underground backfill	25,299	34,271	39,722	32,562	39,348	26,597	12,996	-	-	-	-	-	210,796

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. Two (2) 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	Material spilled/released	Estimated quantity	Exact location of incident	Description of incident	Describe immediate corrective actions
Wednesday, July 01, 2026 2:15:00 AM	Hydraulic Oil	6 L	WRSF3	6L of hydraulic oil spilled from a haul truck when a bolt on the delivery valve block for the power steering failed at WRSF3.	Contaminated material was recovered and brought to Landfarm A.
Friday, July 03, 2026 8:30:00 AM	Hydraulic Oil	10 L	OP2 ore pad	10L of hydraulic oil spilled from a loader when a hydraulic hose broke at OP2.	The operator immediately stopped the equipment and placed spill pads around the affected area to contain the hydraulic fluid. Contaminated material was recovered and plaed into a Quatrex bag.
Friday, July 03, 2026 11:45:00 AM	Hydraulic Oil	2 L	Cold Dome	2L of hydraulic oil spilled from a telehandler when a hydraulic hose broke at the Construction cold dome.	A worker in the area noticed the leak the moment the hose failed and informed the operator who parked the telehandler. A spill tray was placed under the equipment and spill pads were used to absorb the oil. Contaminated spill pads were disposed of in a Quatrex bag.

Sunday, July 05, 2026 12:30:00 AM	Oily Water	1000 L	Hazmat laydown	A Surface Operation telehandler operator was moving oily water totes in a seacan to prepare them to be shipped south as hazardous waste. The operator did not realize they punctured a tote and closed the seacan. When they came back to the seacan later, they realized that oily water was spilling from the seacan and observed that the tote behind the one they just placed was punctured at the bottom and emptied its content.	Contaminated material was excavated and 6 m3 of material was brought to Landfarm A for remediation as per the Spill Contingency Plan.
Tuesday, July 07, 2026 4:30:00 PM	Hydraulic Oil	15 L	Pump 2 pit	15L of hydraulic oil spilled from a bolter when a hydraulic hose broke at PUMP02.	A spill tray was placed under the equipment and spill pads were used to absorb the oil. Contaminated spill pads were disposed of in a Quatrex bag.
Thursday, July 09, 2026 12:00:00 AM	Coolant	20 L	Ore Pad 2	20L of coolant spilled from a loader when a coolant hose broke at OP2.	Spill pads were used and were disposed of in a Quatrex bag. The contaminated material on the ore pad will be processed through the mill.
Wednesday, July 15, 2026 9:00:00 AM	Hydraulic Oil	14 L	Open Pit Maintenance Shop Parking	14 L of hydraulic oil spilled from a haul truck when a rear axle bearing failed at the KCG shop parking.	Spill containment was placed, and the truck was subsequently repaired. The spilled hydraulic oil was cleaned up.
Tuesday, July 21, 2026 1:00:00 PM	Hydraulic Oil	5 L	Meliadine - Pump Ore Pad	5L of hydraulic oil spilled from a loader when a quick-attach fitting cracked at the Pump Ore Pad.	Spill containment was placed to contain the spill.The quick attach hose and fitting were replaced. Contaminated material was recovered and brought to Landfarm A.

Friday, July 24, 2026 10:30:00 AM	Hydraulic Oil	40 L	Meliadine - OP2 Extension UG Waste Pile	40L of hydraulic oil spilled from an excavator when a worn hydraulic fitting failed at OP2 extension.	The engine was stopped and spill containment was placed. Contaminated material was recovered and brought to Landfarm A.
Thursday, July 30, 2026 3:15:00 PM	Coolant	7 L	Haul road (SP4 Curve)	7L of coolant spilled from a haul truck when a coolant hose broke at the SP4/Haul road intersection.	Operator parked safely on the side of the haul road and deployed their spill kit. Contaminated material was recovered and placed into a hazmat waste drum.
Friday, July 31, 2026 6:30:00 AM	Treated effluent	600 L	EWTP-WTC discharge line	Energy and Infrastructure Water Management (E&I WM) workers were performing maintenance on a line believed at the time to be the CP1 to EWTP pumping line, in order to install a saddle. While cutting the HDPE pipe to install the saddle, treated effluent escaped through the opening, resulting in an unplanned release on the south side of the EWTP.	Immediately upon discovery of the release, the EWTP was shut down. A patch was placed over the opening and held in place under pressure to limit further release. The E&I WM Supervisor and Lead Operator were notified. Treated effluent water drained back to Collection Pond 1, the source of pre-treated effluent. As such, no remediation work is required for the spill.

Appendix – Monitoring Analytical Data

	Sample date	7/5/2026
	Sample name	MEL-11
Parameter	**Unit**	
WQ01- Field Measured		
Temperature	**°C**	13.6
pH	**pH units**	7
Conductivity	**uS/cm**	123.4
Dissolved oxygen	**mg/L**	10.91
Dissolved oxygen	**%**	105
Turbidity	**NTU**	0.73
WQ02- Conventional Parameters		
pH	**pH units**	7.57
Dissolved Oxygen	**%**	105
Turbidity	**NTU**	2.5
Conductivity	**ms/cm**	0.130
Hardness, as CaCO3	**mg/L**	34.6
Hardness, as CaCO3-Dissolved	**mg/L**	35.8
Total alkalinity, as CaCO3	**mg/L**	21
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	21
TDS	**mg/L**	85
TDS, calculated	**mg/L**	62
TSS	**mg/L**	1
Total organic carbon	**mg/L**	3.3
Dissolved organic carbon	**mg/L**	3.0
WQ03- Major Ions		
Chloride	**mg/L**	16
Cyanide	**mg/L**	0.00056
Cyanide (free)	**mg/L**	0.00069
Cyanide (WAD)	**mg/L**	< 0.00050
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	0.31
Sulfate	**mg/L**	11
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.072
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**	0.14
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**	0.00066
Barium	**mg/L**	0.0105
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (total)	**mg/L**	10.9
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00074
Iron	**mg/L**	0.018
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Magnesium (total)	**mg/L**	1.82
Manganese	**mg/L**	0.0043
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Potassium (total)	**mg/L**	1.09
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (total)	**mg/L**	7.09
Strontium	**mg/L**	0.0528
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**	0.00072
Barium	**mg/L**	0.0112
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	11.1
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00073
Iron	**mg/L**	0.0066
Lead	**mg/L**	< 0.00020

Lithium	**mg/L**	< 0.0020
Magnesium (Dissolved)	**mg/L**	1.97
Manganese	**mg/L**	< 0.0010
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Potassium (Dissolved)	**mg/L**	1.17
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	7.60
Strontium	**mg/L**	0.0584
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

Sample date		7/6/2026
Sample name		MEL-12
WQ02- Conventional Parameters		
pH	**pH units**	7.75
Turbidity	**NTU**	3.9
Hardness, as CaCO3	**mg/L**	308
Total alkalinity, as CaCO3	**mg/L**	46
TDS	**mg/L**	975
TDS, calculated	**mg/L**	750
TSS	**mg/L**	10
WQ03- Major Ions		
Chloride	**mg/L**	260
Cyanide	**mg/L**	0.00188
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	0.64
Sulfate	**mg/L**	170
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.12
Nitrate (as N)	**mg/L**	6.64
Nitrite (as N)	**mg/L**	0.190
Total phosphorus	**mg/L**	0.031
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.125
Arsenic	**mg/L**	0.0272
Barium	**mg/L**	0.0285
Cadmium	**mg/L**	0.000011
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00278
Iron	**mg/L**	0.158
Lead	**mg/L**	0.00040
Manganese	**mg/L**	0.0955
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0050
Nickel	**mg/L**	0.0053
Selenium	**mg/L**	0.00050
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	0.000014
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		

Calcium (Dissolved)	**mg/L**	84.1
Magnesium (Dissolved)	**mg/L**	25.3
Potassium (Dissolved)	**mg/L**	13.1
Sodium (Dissolved)	**mg/L**	133

	Sample date	7/12/2026
	Sample name	MEL-13
WQ02- Conventional Parameters		
pH	**pH units**	7.56
Turbidity	**NTU**	1.2
Conductivity	**ms/cm**	0.147
Hardness, as CaCO3	**mg/L**	42.2
Total alkalinity, as CaCO3	**mg/L**	21
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	21
TDS	**mg/L**	100
TDS, calculated	**mg/L**	74
TSS	**mg/L**	2
Total organic carbon	**mg/L**	3.5
Dissolved organic carbon	**mg/L**	3.3
WQ03- Major Ions		
Chloride	**mg/L**	19
Cyanide	**mg/L**	< 0.00050
Cyanide (free)	**mg/L**	< 0.00050
Cyanide (WAD)	**mg/L**	< 0.00050
Silica	**mg/L**	0.19
Sulfate	**mg/L**	16
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**	0.18
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0136
Antimony	**mg/L**	< 0.000020
Arsenic	**mg/L**	0.000731
Barium	**mg/L**	0.0121

Beryllium	**mg/L**	< 0.000010
Boron	**mg/L**	< 0.01
Cadmium	**mg/L**	< 0.0000050
Chromium	**mg/L**	0.00020
Cobalt	**mg/L**	0.0000370
Copper	**mg/L**	0.00108
Iron	**mg/L**	0.0260
Lead	**mg/L**	0.0000213
Lithium	**mg/L**	0.00102
Manganese	**mg/L**	0.00533
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.000166
Nickel	**mg/L**	0.000799
Selenium	**mg/L**	0.000042
Silver	**mg/L**	< 0.0000050
Strontium	**mg/L**	0.0683
Thallium	**mg/L**	< 0.0000020
Tin	**mg/L**	< 0.00020
Titanium	**mg/L**	< 0.00050
Uranium	**mg/L**	0.0000341
Vanadium	**mg/L**	< 0.00020
Zinc	**mg/L**	0.00095
WQ07- Dissolved Metals		
Aluminum	**mg/L**	0.00658
Antimony	**mg/L**	0.000029
Arsenic	**mg/L**	0.000646
Barium	**mg/L**	0.0116
Beryllium	**mg/L**	< 0.000010
Boron	**mg/L**	< 0.01
Cadmium	**mg/L**	< 0.0000050
Calcium (Dissolved)	**mg/L**	12.9
Chromium	**mg/L**	0.00015
Cobalt	**mg/L**	0.0000210
Copper	**mg/L**	0.000892
Iron	**mg/L**	0.0052
Lead	**mg/L**	0.0000062
Lithium	**mg/L**	0.00107
Magnesium (Dissolved)	**mg/L**	2.46
Manganese	**mg/L**	0.000389

Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.000140
Nickel	**mg/L**	0.000768
Potassium (Dissolved)	**mg/L**	1.22
Selenium	**mg/L**	< 0.000040
Silver	**mg/L**	< 0.0000050
Sodium (Dissolved)	**mg/L**	9.86
Strontium	**mg/L**	0.0662
Thallium	**mg/L**	0.0000032
Tin	**mg/L**	< 0.00020
Titanium	**mg/L**	< 0.00050
Uranium	**mg/L**	0.0000301
Vanadium	**mg/L**	< 0.00020
Zinc	**mg/L**	0.00046
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

Sample date		7/6/2026	7/13/2026	7/20/2026	7/27/2026
Sample name		MEL-14	MEL-14	MEL-14	MEL-14
WQ02- Conventional Parameters					
pH	**pH units**	7.32	7.6	7.67	7.70
Turbidity	**NTU**	2.0	1.7	5.7	3.0
Conductivity	**ms/cm**	1.37	1.39	1.48	1.42
Hardness, as CaCO3	**mg/L**	308	307	365	334
Total alkalinity, as CaCO3	**mg/L**	36	48	59	63
Carbonate, as CaCO3	**mg/L**	<1.0	<1.0	<1.0	<1.0
Bicarbonate, as CaCO3	**mg/L**	35	47	58	63
TDS	**mg/L**	845	920	905	875
TDS, calculated	**mg/L**	750	770	810	810
TSS	**mg/L**	7	5	7	11
Total organic carbon	**mg/L**	6.3	7.4	9.0	11
Dissolved organic carbon	**mg/L**	5.2	6.2	7.7	9.0
WQ03- Major Ions					
Chloride	**mg/L**	280	280	290	270
Cyanide	**mg/L**	0.00168	0.00145	0.00120	0.00167
Cyanide (free)	**mg/L**	0.00057	0.00097	0.00085	0.00121
Cyanide (WAD)	**mg/L**	0.00078	0.00093	0.0011	0.0013
Silica	**mg/L**	0.58	0.93	1.4	1.1
Sulfate	**mg/L**	160	180	190	200
WQ04- Nutrients and Chlorophyll a					
Ammonia Nitrogen (as N)	**mg/L**	0.10	0.29	0.38	0.48
Un-Ionized Ammonia, calculated	**mg/L**	0.0011	0.0031	0.0019	0.021
Nitrate (as N)	**mg/L**	6.67	5.61	5.34	5.54
Nitrite (as N)	**mg/L**	0.198	0.146	0.192	0.222
Total Kjeldahl nitrogen	**mg/L**	0.74	1.1	1.1	1.4
Total phosphorus	**mg/L**	0.036	0.030	0.035	0.050
Orthophosphate (P)	**mg/L**	<0.010	<0.010	<0.010	< 0.010
WQ06- Total Metals					
Aluminum	**mg/L**	1.07	0.829	1.06	1.46
Antimony	**mg/L**	0.00108	0.00096	0.00114	0.00108
Arsenic	**mg/L**	0.0137	0.0118	0.0185	0.0304
Barium	**mg/L**	0.0274	0.0297	0.0379	0.0398
Beryllium	**mg/L**	<0.00010	<0.00010	<0.00010	<0.00010
Boron	**mg/L**	0.116	0.111	0.129	0.113
Cadmium	**mg/L**	<0.000010	0.000010	0.000013	<0.000010
Chromium	**mg/L**	<0.0010	0.000010	<0.0010	<0.0010
Cobalt	**mg/L**	0.00113	0.00113	0.00139	0.00124
Copper	**mg/L**	0.00205	0.00336	0.00277	0.00283
Iron	**mg/L**	0.029	0.048	0.097	0.177

Lead	**mg/L**	<0.00020	<0.00020	<0.00020	0.00032
Lithium	**mg/L**	0.0169	0.0165	0.0200	0.0208
Manganese	**mg/L**	0.0466	0.123	0.142	0.105
Mercury	**mg/L**	<0.00001	<0.00001	<0.00001	<0.00001
Molybdenum	**mg/L**	0.0050	0.0047	0.0053	0.0052
Nickel	**mg/L**	0.0041	0.0048	0.0068	0.0073
Selenium	**mg/L**	0.00050	0.00046	0.00048	0.00040
Silver	**mg/L**	<0.000020	<0.000020	<0.000020	<0.000020
Strontium	**mg/L**	0.885	0.871	0.940	0.862
Thallium	**mg/L**	0.000013	0.000014	0.000014	0.000014
Tin	**mg/L**	<0.0050	<0.0050	<0.0050	<0.0050
Titanium	**mg/L**	<0.0050	<0.0050	<0.0050	<0.0050
Uranium	**mg/L**	0.00096	0.00074	0.00152	0.00205
Vanadium	**mg/L**	<0.0050	<0.0050	<0.0050	<0.0050
Zinc	**mg/L**	<0.0050	<0.0050	<0.0050	<0.0050
WQ07- Dissolved Metals					
Aluminum	**mg/L**	0.267	0.193	0.206	0.279
Antimony	**mg/L**	0.00106	0.00105	0.00114	0.00113
Arsenic	**mg/L**	0.00943	0.00776	0.00963	0.0142
Barium	**mg/L**	0.0278	0.0308	0.0384	0.0402
Beryllium	**mg/L**	<0.00010	<0.00010	<0.00010	<0.00010
Boron	**mg/L**	0.117	0.113	0.108	0.108
Cadmium	**mg/L**	<0.000010	0.000012	<0.000010	<0.000010
Calcium (Dissolved)	**mg/L**	87	88	93.5	100
Chromium	**mg/L**	<0.0010	<0.0010	<0.0010	<0.0010
Cobalt	**mg/L**	0.00106	0.00112	0.00122	0.00121
Copper	**mg/L**	0.00164	0.00212	0.00218	0.00244
Iron	**mg/L**	<0.0050	0.0065	0.0164	0.0355
Lead	**mg/L**	<0.00020	<0.00020	<0.00020	<0.00020
Lithium	**mg/L**	0.0164	0.0173	0.0184	0.0188
Magnesium (Dissolved)	**mg/L**	25	25	26.7	23.8
Manganese	**mg/L**	0.0362	0.114	0.119	0.0837
Mercury	**mg/L**	<0.00001	<0.00001	<0.00001	<0.00001
Molybdenum	**mg/L**	0.0048	0.0048	0.0054	0.0053
Nickel	**mg/L**	0.0039	0.0045	0.0062	0.0069
Potassium (Dissolved)	**mg/L**	14	14	13.7	13.0
Selenium	**mg/L**	0.00048	0.00047	0.00043	0.00037
Silver	**mg/L**	<0.000020	<0.000020	<0.000020	<0.000020
Sodium (Dissolved)	**mg/L**	140	140	125	115
Strontium	**mg/L**	0.863	0.862	1.00	0.901
Thallium	**mg/L**	0.000014	0.000016	0.000012	0.000013
Tin	**mg/L**	<0.0050	<0.0050	<0.0050	<0.0050

Titanium	**mg/L**	<0.0050	<0.0050	<0.0050	<0.0050
Uranium	**mg/L**	0.00062	0.00047	0.00109	0.00162
Vanadium	**mg/L**	<0.0050	<0.0050	<0.0050	<0.0050
Zinc	**mg/L**	<0.0050	<0.0050	<0.0050	<0.0050
WQ08- Radionuclides					
Radium-226	**Bq/l**	<0.0050	<0.0050	<0.0050	<0.0050
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	< 0.00020	< 0.00020	< 0.00020
Ethylbenzene	**mg/L**	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Toluene	**mg/L**	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Xylenes	**mg/L**	< 0.00040	< 0.00040	< 0.00040	< 0.00040
m,p-Xylenes	**mg/L**	< 0.00040	< 0.00040	< 0.00040	< 0.00040
o-Xylene	**mg/L**	< 0.00020	< 0.00020	< 0.00020	< 0.00020
F1 (C6-C10)-BTEX	**mg/L**	< 0.025	< 0.025	< 0.025	< 0.025
F1 (C6-C10)	**mg/L**	< 0.025	< 0.025	< 0.025	< 0.025
F2 (C10-C16)	**mg/L**	< 0.09	< 0.09	< 0.09	< 0.09
F3 (C16-C34)	**mg/L**	< 0.2	< 0.2	< 0.2	< 0.2
F4 (C34-C50)	**mg/L**	< 0.2	< 0.2	< 0.2	< 0.2

Sample date		7/4/2026
Sample name		MEL-15
WQ02- Conventional Parameters		
pH	**pH units**	7.92
Turbidity	**NTU**	2.0
Conductivity	**ms/cm**	0.167
Hardness, as CaCO3	**mg/L**	60.7
Total alkalinity, as CaCO3	**mg/L**	44
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	43
TDS	**mg/L**	100
TDS, calculated	**mg/L**	83
TSS	**mg/L**	1
Total organic carbon	**mg/L**	5.2
Dissolved organic carbon	**mg/L**	4.7
WQ03- Major Ions		
Chloride	**mg/L**	13
Cyanide	**mg/L**	0.00055
Cyanide (free)	**mg/L**	0.00050
Cyanide (WAD)	**mg/L**	0.00075
Silica	**mg/L**	0.54
Sulfate	**mg/L**	12
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.11
Nitrate (as N)	**mg/L**	< 0.10
Nitrite (as N)	**mg/L**	< 0.010
Total Kjeldahl nitrogen	**mg/L**	0.40
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0039
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00371
Barium	**mg/L**	0.0152
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00071
Iron	**mg/L**	0.112

Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Manganese	**mg/L**	0.0174
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**	0.0964
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**	0.00328
Barium	**mg/L**	0.0154
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	21.6
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00063
Iron	**mg/L**	0.0514
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Magnesium (Dissolved)	**mg/L**	2.57
Manganese	**mg/L**	0.0070
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Potassium (Dissolved)	**mg/L**	1.23
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	6.06
Strontium	**mg/L**	0.104
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

Sample date		7/4/2026
Sample name		MEL-16
WQ02- Conventional Parameters		
pH	**pH units**	7.83
Turbidity	**NTU**	1.4
Conductivity	**ms/cm**	0.161
Hardness, as CaCO3	**mg/L**	54.5
Total alkalinity, as CaCO3	**mg/L**	37
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	37
TDS	**mg/L**	110
TDS, calculated	**mg/L**	77
TSS	**mg/L**	1
Total organic carbon	**mg/L**	4.1
Dissolved organic carbon	**mg/L**	4.0
WQ03- Major Ions		
Chloride	**mg/L**	16
Cyanide	**mg/L**	0.00063
Cyanide (free)	**mg/L**	0.00055
Cyanide (WAD)	**mg/L**	0.00090
Silica	**mg/L**	0.45
Sulfate	**mg/L**	10
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.052
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**	0.0214
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.0163
Barium	**mg/L**	0.0225
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**	0.120
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Manganese	**mg/L**	0.0085
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**	0.0849
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**	0.0072
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.0139
Barium	**mg/L**	0.0228
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	18.1
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00097
Iron	**mg/L**	0.0391
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Magnesium (Dissolved)	**mg/L**	2.66
Manganese	**mg/L**	0.0015
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Potassium (Dissolved)	**mg/L**	1.48
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	6.52

Strontium	**mg/L**	0.0921
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

	Sample date	7/4/2026
	Sample name	MEL-17
WQ02- Conventional Parameters		
pH	**pH units**	7.96
Turbidity	**NTU**	2.8
Conductivity	**ms/cm**	0.407
Hardness, as CaCO3	**mg/L**	144
Total alkalinity, as CaCO3	**mg/L**	65
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	65
TDS	**mg/L**	295
TDS, calculated	**mg/L**	230
TSS	**mg/L**	2
Total organic carbon	**mg/L**	13
Dissolved organic carbon	**mg/L**	12
WQ03- Major Ions		
Chloride	**mg/L**	46
Cyanide	**mg/L**	0.00144
Cyanide (free)	**mg/L**	0.00095
Cyanide (WAD)	**mg/L**	0.00092
Silica	**mg/L**	1.2
Sulfate	**mg/L**	63
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.088
Nitrate (as N)	**mg/L**	< 0.10
Nitrite (as N)	**mg/L**	< 0.010
Total Kjeldahl nitrogen	**mg/L**	0.71
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0064
Antimony	**mg/L**	< 0.00050

Arsenic	**mg/L**	0.00232
Barium	**mg/L**	0.0346
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00170
Iron	**mg/L**	0.103
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0045
Manganese	**mg/L**	0.0540
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	0.0020
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Strontium	**mg/L**	0.278
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	0.00015
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metal		
Aluminum	**mg/L**	0.0055
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00234
Barium	**mg/L**	0.0357
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	48.8
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00174
Iron	**mg/L**	0.0592
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0044
Magnesium (Dissolved)	**mg/L**	7.01
Manganese	**mg/L**	0.0222

Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	0.0019
Potassium (Dissolved)	**mg/L**	3.01
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	18.5
Strontium	**mg/L**	0.306
Thallium	**mg/L**	0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	0.00015
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050

Sample date		7/4/2026
Sample name		MEL-18
WQ02- Conventional Parameters		
pH	**pH units**	7.84
Turbidity	**NTU**	1.3
Conductivity	**ms/cm**	0.253
Hardness, as CaCO3	**mg/L**	87.9
Total alkalinity, as CaCO3	**mg/L**	45
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	45
TDS	**mg/L**	180
TDS, calculated	**mg/L**	130
TSS	**mg/L**	4
Total organic carbon	**mg/L**	4.7
Dissolved organic carbon	**mg/L**	4.3
WQ03- Major Ions		
Chloride	**mg/L**	30
Cyanide	**mg/L**	0.00091
Cyanide (free)	**mg/L**	0.00087
Cyanide (WAD)	**mg/L**	0.00090
Silica	**mg/L**	0.54
Sulfate	**mg/L**	23
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.052

Nitrate (as N)	**mg/L**	< 0.10
Nitrite (as N)	**mg/L**	< 0.010
Total Kjeldahl nitrogen	**mg/L**	0.36
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0156
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00619
Barium	**mg/L**	0.0216
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00092
Iron	**mg/L**	0.201
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0068
Manganese	**mg/L**	0.0226
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**	0.183
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**	0.00448
Barium	**mg/L**	0.0233
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010

Calcium (Dissolved)	**mg/L**	30.2
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00095
Iron	**mg/L**	0.0680
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0066
Magnesium (Dissolved)	**mg/L**	4.18
Manganese	**mg/L**	0.0119
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Potassium (Dissolved)	**mg/L**	1.67
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	8.94
Strontium	**mg/L**	0.226
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

Sample date		7/4/2026
Sample name		MEL-19
WQ02- Conventional Parameters		
pH	**pH units**	7.38
Turbidity	**NTU**	4.2
Hardness, as CaCO3	**mg/L**	151
Total alkalinity, as CaCO3	**mg/L**	42
TDS	**mg/L**	395
TDS, calculated	**mg/L**	330
TSS	**mg/L**	6
WQ03- Major Ions		
Chloride	**mg/L**	71
Cyanide	**mg/L**	< 0.00050
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	< 0.050
Sulfate	**mg/L**	120

WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.090
Nitrate (as N)	**mg/L**	1.78
Nitrite (as N)	**mg/L**	0.011
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0933
Arsenic	**mg/L**	0.0133
Barium	**mg/L**	0.0122
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00183
Iron	**mg/L**	0.198
Lead	**mg/L**	0.00052
Manganese	**mg/L**	0.0237
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0029
Nickel	**mg/L**	0.0082
Selenium	**mg/L**	0.00046
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	< 0.000010
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	41.5
Magnesium (Dissolved)	**mg/L**	12.9
Potassium (Dissolved)	**mg/L**	6.87
Sodium (Dissolved)	**mg/L**	46.3

Sample date		7/4/2026
Sample name		MEL-20
WQ02- Conventional Parameter		
pH	**pH units**	7.95
Turbidity	**NTU**	6.9
Hardness, as CaCO3	**mg/L**	362
Total alkalinity, as CaCO3	**mg/L**	77
TDS	**mg/L**	940
TDS, calculated	**mg/L**	800
TSS	**mg/L**	6

WQ03- Major Ions		
Chloride	**mg/L**	220
Cyanide	**mg/L**	0.00377
Fluoride	**mg/L**	0.12
Silica	**mg/L**	2.9
Sulfate	**mg/L**	230
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	4.0
Nitrate (as N)	**mg/L**	12.3
Nitrite (as N)	**mg/L**	0.273
Total phosphorus	**mg/L**	0.036
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.162
Arsenic	**mg/L**	0.0443
Barium	**mg/L**	0.0476
Cadmium	**mg/L**	0.000048
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00581
Iron	**mg/L**	0.273
Lead	**mg/L**	0.00139
Manganese	**mg/L**	0.0882
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0033
Nickel	**mg/L**	0.0273
Selenium	**mg/L**	0.00076
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	0.000022
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	98.2
Magnesium (Dissolved)	**mg/L**	28.9
Potassium (Dissolved)	**mg/L**	11.6
Sodium (Dissolved)	**mg/L**	115

Sample date		7/4/2026
Sample name		MEL-21
WQ02- Conventional Parameters		
pH	**pH units**	7.96
Turbidity	**NTU**	4.4
Hardness, as CaCO3	**mg/L**	182
Total alkalinity, as CaCO3	**mg/L**	72
TDS	**mg/L**	405
TDS, calculated	**mg/L**	350
TSS	**mg/L**	4
WQ03- Major Ions		
Chloride	**mg/L**	87
Cyanide	**mg/L**	0.00183
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	2.8
Sulfate	**mg/L**	93
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.46
Nitrate (as N)	**mg/L**	2.91
Nitrite (as N)	**mg/L**	0.037
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.116
Arsenic	**mg/L**	0.0322
Barium	**mg/L**	0.0152
Cadmium	**mg/L**	0.000019
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00189
Iron	**mg/L**	0.240
Lead	**mg/L**	0.00083
Manganese	**mg/L**	0.0645
Mercury	**mg/L**	< 0.00001 < 0.00001 < 0.00001
Molybdenum	**mg/L**	0.0042
Nickel	**mg/L**	0.0071
Selenium	**mg/L**	0.00046
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	< 0.000010

Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	54.9
Magnesium (Dissolved)	**mg/L**	11.6
Potassium (Dissolved)	**mg/L**	6.68
Sodium (Dissolved)	**mg/L**	41.4

Sample date		7/4/2026
Sample name		MEL-22
WQ02- Conventional Parameters		
pH	**pH units**	7.88
Turbidity	**NTU**	1.9
Hardness, as CaCO3	**mg/L**	1390
Total alkalinity, as CaCO3	**mg/L**	91
TDS	**mg/L**	4740
TDS, calculated	**mg/L**	3200
TSS	**mg/L**	3
WQ03- Major Ions		
Chloride	**mg/L**	1400
Cyanide	**mg/L**	0.0110
Fluoride	**mg/L**	0.13
Silica	**mg/L**	3.9
Sulfate	**mg/L**	510
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	15
Nitrate (as N)	**mg/L**	28.2
Nitrite (as N)	**mg/L**	0.840
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0109
Arsenic	**mg/L**	0.0116
Barium	**mg/L**	0.0777
Cadmium	**mg/L**	0.000037
Chromium	**mg/L**	< 0.0020
Copper	**mg/L**	0.0018
Iron	**mg/L**	< 0.020
Lead	**mg/L**	< 0.00040
Manganese	**mg/L**	0.0487
Mercury	**mg/L**	< 0.00001

Molybdenum	**mg/L**	0.0126
Nickel	**mg/L**	0.0232
Selenium	**mg/L**	0.00113
Silver	**mg/L**	< 0.000040
Thallium	**mg/L**	0.000066
Zinc	**mg/L**	< 0.010
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	434
Magnesium (Dissolved)	**mg/L**	92.6
Potassium (Dissolved)	**mg/L**	58.7
Sodium (Dissolved)	**mg/L**	487

Sample date		7/4/2026
Sample name		MEL-23
WQ02- Conventional Parameters		
pH	**pH units**	7.77
Turbidity	**NTU**	6.1
Hardness, as CaCO3	**mg/L**	297
Total alkalinity, as CaCO3	**mg/L**	49
TDS	**mg/L**	835
TDS, calculated	**mg/L**	540
TSS	**mg/L**	66
WQ03- Major Ions		
Chloride	**mg/L**	210
Cyanide	**mg/L**	0.00051
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	1.4
Sulfate	**mg/L**	120
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.37
Nitrate (as N)	**mg/L**	1.28
Nitrite (as N)	**mg/L**	0.029
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.144
Arsenic	**mg/L**	0.0138
Barium	**mg/L**	0.0183
Cadmium	**mg/L**	0.000051

Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00127
Iron	**mg/L**	0.315
Lead	**mg/L**	0.00084
Manganese	**mg/L**	0.0590
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0035
Nickel	**mg/L**	0.0215
Selenium	**mg/L**	0.00034
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	0.000014
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metal		
Calcium (Dissolved)	**mg/L**	92.0
Magnesium (Dissolved)	**mg/L**	18.2
Potassium (Dissolved)	**mg/L**	9.45
Sodium (Dissolved)	**mg/L**	62.0

Sample date		7/4/2026
Sample name		MEL-32
WQ02- Conventional Parameters		
pH	**pH units**	8.02
Turbidity	**NTU**	57
Hardness, as CaCO3	**mg/L**	222
Total alkalinity, as CaCO3	**mg/L**	91
TDS	**mg/L**	625
TDS, calculated	**mg/L**	570
TSS	**mg/L**	52
WQ03- Major Ions		
Chloride	**mg/L**	140
Cyanide	**mg/L**	0.00375
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	2.5
Sulfate	**mg/L**	140
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	5
Nitrate (as N)	**mg/L**	9.76
Nitrite (as N)	**mg/L**	0.115
Total phosphorus	**mg/L**	0.029

Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	1.06
Arsenic	**mg/L**	0.0209
Barium	**mg/L**	0.0338
Cadmium	**mg/L**	0.000035
Chromium	**mg/L**	0.0037
Copper	**mg/L**	0.00496
Iron	**mg/L**	2.08
Lead	**mg/L**	0.00160
Manganese	**mg/L**	0.101
Mercury	**mg/L**	<0.00001
Molybdenum	**mg/L**	0.0034
Nickel	**mg/L**	0.0114
Selenium	**mg/L**	0.00070
Silver	**mg/L**	<0.000020
Thallium	**mg/L**	0.000027
Zinc	**mg/L**	0.0094
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	68.3
Magnesium (Dissolved)	**mg/L**	17.0
Potassium (Dissolved)	**mg/L**	11.3
Sodium (Dissolved)	**mg/L**	97.6

Sample date		7/22/2026	7/26/2026
Sample name		MEL-D-4 (pre-discharge)	MEL-D-4
Parameter	**Unit**		
WQ02- Conventional Parameters			
pH	**pH units**	7.92	7.95
TSS	**mg/L**	< 1	1