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

Prepared for:
Nunavut Water Board

Prepared by:
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Table of Contents

SECTION 1 • BACKGROUND 1

SECTION 2 • WATER MANAGEMENT 1

2.1 Water Usage 1
2.2 Dewatering Activities 1
2.3 Water Discharge 1
2.4 seepage and runoff from the landfill and landfarm 2
2.5 Sewage Treatment Plant 2
2.6 Monitoring analytical data 2

SECTION 3 • MATERIAL MANAGEMENT 3

3.1 Landfill / Landfarm 3
3.2 Ore, Waste Rock storage facility, tailings 4

SECTION 4 SPILL MANAGEMENT 5

4.1 Internal and reportable spills 5

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 August 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	54,038	-	-	-	-	409,024
Dust suppression[2]	m^3	0	0	0	0	1	0[3]	0	0	-	-	-	-	1
Dust suppression[4]	m^3	0	0	0	0	0	60	487.5	306	-	-	-	-	854

2.2 DEWATERING ACTIVITIES

Lake A6 dewatering started on July 24. In August, 50,138 m^3 was transferred from A6 to CP1, and 397,725 m^3 was transferred from A6 to Meliadine Lake. Additionally, 55,339 m^3 of Lake A6 water was used for Waterline testing activities and discharged to Melvin Bay.

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	164,603	-	-	-	-	902,139
MEL-26	m^3	0	0	0	0	0	0	0	0	-	-	-	-	0
MEL-25	m^3	0	0	0	0	0	936	0	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	5,453	-	-	-	-	40,816
Sewage Sludge	Amount (m^3)	8.2	75.5	7.7	10	8.7	7.7	5.6	2.6	-	-	-	-	126
	Disposal Location	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	-	-	-	-	N/A

2.6 MONITORING ANALYTICAL DATA

Twenty-eight (28) 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			30,437			-			-
Landfarm (Survey)	m^3	704[6]			776			763			-			-
Landfarm[7]	m^3	3	9	2.85	4.25	5.5	10.8	10.3	3	-	-	-	-	48.7

[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	192,412	-	-	-	-	1,627,101
Waste Rock	Removed from open pit mining	110,145	250,637	427,834	629,818	465,110	365,515	308,079	416,342	-	-	-	-	2,973,480
	Removed from underground mining	82,316	83,645	100,588	85,214	91,617	76,801	46,437	33,345	-	-	-	-	599,963
	Used as underground dry rockfill	32,431	28,224	39,417	30,834	41,170	43,182	20,054	35,285	-	-	-	-	270,597
Tailings	Send to TSF	159,000	118,837	181,127	186,834	187,972	174,917	215,207	155,018	-	-	-	-	1,378,911
	Used as paste underground backfill	25,299	34,271	39,722	32,562	39,348	26,597	12,996	37,394	-	-	-	-	248,190

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	Immediate corrective actions
Saturday, August 01, 2026 8:00:00 AM	Hydraulic Oil	2 L	WRSF3 (top level)	2L of hydraulic oil spilled from a haul truck when a brake pump housing cracked at WRSF3.	Operator parked in a safe location and deployed their spill kit. Spill pads were disposed of as hazmat.
Monday, August 03, 2026 8:00:00 AM	Contact Water	100 m3	Near RO plant	100m3 of contact water spilled from the CP1 to EWTP pipeline when a misaligned valve leaked at the RO.	The pump was stopped, the valves were opened to let the water flow back into the pond. The contact water spilled reported to the Mine's water management collection system and therefore no clean-up was required.
Thursday, August 06, 2026 1:30:00 AM	Hydraulic Oil	50 L	Maintenance yard	50L of hydraulic oil spilled from a loader when a hose broke at the Maintenance yard.	Spill pads were used to absorb the oil and contain the spill. Contaminated mud was hand shoveled and placed into a hazmat bag.
Wednesday, August 12, 2026 4:00:00 PM	Hydraulic Oil	60 L	SP-4 KCG crusher area	60L of hydraulic oil spilled from a loader when a hydraulic hose broke at SP4 KCG crusher area.	The operator immediately stopped the equipment and placed spill pads around the affected area to contain the hydraulic fluid. Contaminated materials were

					disposed of as hazmat.
Wednesday, August 12, 2026 10:30:00 PM	Coolant	2 L	E&I Foldaway East Parking	2L of coolant spilled from a Manitou when a coolant hose broke in the E&I Maintenance parking lot.	Equipment was locked out, spill was cleaned up and contaminated materials were disposed of as hazmat.
Thursday, August 13, 2026 3:30:00 AM	Hydraulic Oil	15 L	OP2 HG	15L of hydraulic oil spilled from a 50 ton haul truck when a hydraulic hose broke while dumping at OP2.	The operator stopped the equipment and used spill pads to clean up the spill. Contaminated spill pads were disposed of as hazmat.
Wednesday, August 19, 2026 6:00:00 AM	Sewage	378 L	Wing 2 Lift Station	Approximately 378 L of sewage spilled onto the industrial pad outside the Wing 2 lift station. Upon inspection, it was discovered the lift station pump float was obstructed by non-compliant material, which led to the pump's failure and caused the lift station to overflow.	Upon discovery of the spill, a vacuum truck and plumber were dispatched to the site to respond. The vacuum truck was used to recover the contaminated free liquid that had accumulated within the secondary containment. The recovered contaminated material was transported to Landfarm A for disposal.
Sunday, August 23, 2026 5:00:00 PM	Hydraulic Oil	2 L	Hazmat Laydown	2 L of hydraulic oil spilled from a quatrex bag when it was damaged due to improper storage at the hazmat laydown pad.	Contaminated material was recovered and brought to the hazmat laydown for sorting.
Monday, August 24, 2026 2:30:00 AM	Hydraulic Oil	20 L	Service road - South side KCG Maintenance shop	20L of hydraulic oil spilled from a water truck when the brake accumulator failed on the service road on the south side of the KCG Maintenance shop.	The equipment was stopped. Spill kit was deployed and a spill tray was placed underneath the truck. Contaminated soil was recovered and brought to Landfarm A.

Tuesday, August 25, 2026 9:00:00 AM	Diesel and Hydraulic Oil	240 L	OP2 - Extension Pad OP2 waste	An underground haul truck driver was travelling on the bypass road between OP2 and the Underground Automation Pad when the vehicle drifted into the roadside ditch. The haul truck subsequently rolled onto its side, resulting in the release of hydraulic oil and diesel onto the ground.	A spill kit to contain the spill was deployed around the truck, and clean-up operations started the day after, when the truck was removed from the ditch. Contaminated material and spill pads were put in Quatrex bags and brought to the Mine Underground Operations (UG) hazmat laydown to be shipped south. Contaminated material was excavated and brought to Landfarm A.

Appendix – Monitoring Analytical Data

Sample date		8/1/2026
Sample name		MEL-11
WQ02- Conventional Parameters		
pH	**pH units**	7.59
Turbidity	**NTU**	0.6
Conductivity	**ms/cm**	0.139
Hardness, as CaCO3	**mg/L**	39.2
Total alkalinity, as CaCO3	**mg/L**	22
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	22
TDS	**mg/L**	105
TDS, calculated	**mg/L**	66
TSS	**mg/L**	1
Total organic carbon	**mg/L**	3.5
Dissolved organic carbon	**mg/L**	3.2
WQ03- Major Ion		
Chloride	**mg/L**	17
Cyanide	**mg/L**	0.00054
Cyanide (free)	**mg/L**	0.00057
Cyanide (WAD)	**mg/L**	0.00061
Silica	**mg/L**	0.22
Sulfate	**mg/L**	13
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.071
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**	0.0053
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00097
Barium	**mg/L**	0.0115
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00085
Iron	**mg/L**	0.026

Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Manganese	**mg/L**	0.0087
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**	0.0654
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**	0.00089
Barium	**mg/L**	0.0105
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	11.5
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00077
Iron	**mg/L**	0.0093
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Magnesium (Dissolved)	**mg/L**	2.09
Manganese	**mg/L**	< 0.0010
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Potassium (Dissolved)	**mg/L**	1.21
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	8.33
Strontium	**mg/L**	0.0634
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		8/3/2026
Sample name		MEL-12
WQ02- Conventional Parameters		
pH	**pH units**	8.01
Turbidity	**NTU**	2.2
Hardness, as CaCO3	**mg/L**	349
Total alkalinity, as CaCO3	**mg/L**	76
TDS	**mg/L**	895
TDS, calculated	**mg/L**	790
TSS	**mg/L**	4
WQ03- Major Ions		
Chloride	**mg/L**	270
Cyanide	**mg/L**	0.00129
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	0.34
Sulfate	**mg/L**	190
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.43
Nitrate (as N)	**mg/L**	6.44
Nitrite (as N)	**mg/L**	0.195
Total phosphorus	**mg/L**	0.056
Orthophosphate (P)	**mg/L**	0.014
WQ06- Total Metals		
Aluminum	**mg/L**	0.139

Arsenic	**mg/L**	0.0365
Barium	**mg/L**	0.0418
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00310
Iron	**mg/L**	0.223
Lead	**mg/L**	0.00050
Manganese	**mg/L**	0.0762
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0052
Nickel	**mg/L**	0.0068
Selenium	**mg/L**	0.00038
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	0.000012
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	94.3
Magnesium (Dissolved)	**mg/L**	25.3
Potassium (Dissolved)	**mg/L**	13.7
Sodium (Dissolved)	**mg/L**	122

Sample date		8/11/2026
Sample name		MEL-13
WQ02- Conventional Parameters		
pH	**pH units**	7.51
Turbidity	**NTU**	0.8
Conductivity	**ms/cm**	0.153
Hardness, as CaCO3	**mg/L**	43.1
Total alkalinity, as CaCO3	**mg/L**	22
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	22
TDS	**mg/L**	70
TDS, calculated	**mg/L**	75
TSS	**mg/L**	1
Total organic carbon	**mg/L**	3.7
Dissolved organic carbon	**mg/L**	3.4
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**	< 0.050
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**	0.23
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.00659
Antimony	**mg/L**	0.000021
Arsenic	**mg/L**	0.000824
Barium	**mg/L**	0.0117
Beryllium	**mg/L**	< 0.000010
Boron	**mg/L**	< 0.01
Cadmium	**mg/L**	< 0.0000050
Chromium	**mg/L**	0.00016
Cobalt	**mg/L**	0.0000300
Copper	**mg/L**	0.000861
Iron	**mg/L**	0.0182
Lead	**mg/L**	0.0000066
Lithium	**mg/L**	0.00110
Manganese	**mg/L**	0.00551
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.000165
Nickel	**mg/L**	0.000715
Selenium	**mg/L**	0.000043
Silver	**mg/L**	< 0.0000050
Strontium	**mg/L**	0.0707
Thallium	**mg/L**	0.0000032
Tin	**mg/L**	< 0.00020
Titanium	**mg/L**	< 0.00050
Uranium	**mg/L**	0.0000345
Vanadium	**mg/L**	< 0.00020
Zinc	**mg/L**	0.00081
WQ07- Dissolved Metals		
Aluminum	**mg/L**	0.00442
Antimony	**mg/L**	0.000025
Arsenic	**mg/L**	0.000763

Barium	**mg/L**	0.0119
Beryllium	**mg/L**	< 0.000010
Boron	**mg/L**	< 0.01
Cadmium	**mg/L**	< 0.0000050
Calcium (Dissolved)	**mg/L**	13.1
Chromium	**mg/L**	0.00013
Cobalt	**mg/L**	0.0000194
Copper	**mg/L**	0.000891
Iron	**mg/L**	0.0057
Lead	**mg/L**	< 0.0000050
Lithium	**mg/L**	0.00123
Magnesium (Dissolved)	**mg/L**	2.44
Manganese	**mg/L**	0.000493
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.000165
Nickel	**mg/L**	0.000694
Potassium (Dissolved)	**mg/L**	1.28
Selenium	**mg/L**	0.000047
Silver	**mg/L**	< 0.0000050
Sodium (Dissolved)	**mg/L**	9.74
Strontium	**mg/L**	0.0728
Thallium	**mg/L**	0.0000025
Tin	**mg/L**	< 0.00020
Titanium	**mg/L**	< 0.00050
Uranium	**mg/L**	0.0000331
Vanadium	**mg/L**	< 0.00020
Zinc	**mg/L**	0.00051
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		8/3/2026	8/10/2026	8/17/2026	8/23/2026	8/30/2026
Sample name		MEL-14	MEL-14	MEL-14	MEL-14	MEL-14
WQ02- Conventional Parameters						
pH	**pH units**	7.80	7.72	7.94	7.83	7.99
Turbidity	**NTU**	1.9	1	1.3	1.4	1.4
Conductivity	**ms/cm**	1.44	1.43	1.70	1.90	1.75
Hardness, as CaCO3	**mg/L**	355	358	399	446	412
Total alkalinity, as CaCO3	**mg/L**	71	71	76	78	80
Carbonate, as CaCO3	**mg/L**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Bicarbonate, as CaCO3	**mg/L**	70	71	75	78	79
TDS	**mg/L**	970	935	1120	1220	1120
TDS, calculated	**mg/L**	820	810	1000	1100	-
TSS	**mg/L**	3	3	6	6	8
Total organic carbon	**mg/L**	8.8	7.5	7.8	8.1	8.6
Dissolved organic carbon	**mg/L**	8.4	7.1	7.5	7.3	7.6
WQ03- Major Ion						
Chloride	**mg/L**	270	280	370	380	360
Cyanide	**mg/L**	0.00114	0.00109	0.00115	0.00148	0.00098
Cyanide (free)	**mg/L**	0.00080	0.00091	0.00104	0.00093	0.00068
Cyanide (WAD)	**mg/L**	0.0012	0.00096	0.0014	0.0013	0.00086
Silica	**mg/L**	0.34	0.24	0.39	0.46	0.69
Sulfate	**mg/L**	190	180	230	230	210
WQ04- Nutrients and Chlorophyll a						
Ammonia Nitrogen (as N)	**mg/L**	0.46	0.25	0.28	0.21	0.26
Un-Ionized Ammonia, calculated	**mg/L**	0.0041	0.0023	0.0039	0.0031	0.0040
Nitrate (as N)	**mg/L**	6.48	6.69	8.50	9.31	8.76
Nitrite (as N)	**mg/L**	0.207	0.166	0.138	0.150	0.115
Total Kjeldahl nitrogen	**mg/L**	1.2	0.46	0.74	0.97	0.97
Total phosphorus	**mg/L**	0.035	0.030	0.035	0.022	0.073
Orthophosphate (P)	**mg/L**	< 0.010	< 0.010	< 0.010	0.011	0.031
WQ06- Total Metals						
Aluminum	**mg/L**	0.588	0.507	0.834	0.797	0.819
Antimony	**mg/L**	0.00121	0.00107	0.00116	0.00109	0.00100
Arsenic	**mg/L**	0.0140	0.008	0.0108	0.0172	0.0273
Barium	**mg/L**	0.0418	0.0378	0.0409	0.0419	0.0421
Beryllium	**mg/L**	< 0.00010	< 0.00010	< 0.00010	< 0.00010	<0.00010
Boron	**mg/L**	0.127	0.119	0.136	0.161	0.168
Cadmium	**mg/L**	< 0.000010	< 0.000010	0.000010	< 0.000010	<0.000010
Chromium	**mg/L**	< 0.0010	< 0.0010	< 0.0010	< 0.0010	<0.0010
Cobalt	**mg/L**	0.00101	0.0009	0.00093	0.00091	0.00078

Copper	**mg/L**	0.00251	0.00221	0.00247	0.00272	0.00273
Iron	**mg/L**	0.052	0.033	0.052	0.038	0.081
Lead	**mg/L**	< 0.00020	< 0.00020	< 0.00020	< 0.00020	0.00023
Lithium	**mg/L**	0.0218	0.0188	0.0211	0.0214	0.0200
Manganese	**mg/L**	0.0471	0.0376	0.0460	0.0440	0.0438
Mercury	**mg/L**	< 0.00001	< 0.00001	< 0.00001	< 0.00001	<0.00001
Molybdenum	**mg/L**	0.0050	0.0048	0.0049	0.0048	0.0045
Nickel	**mg/L**	0.0061	0.0057	0.0062	0.0063	0.0065
Selenium	**mg/L**	0.00038	0.00037	0.00046	0.00051	0.00044
Silver	**mg/L**	< 0.000020	< 0.000020	< 0.000020	< 0.000020	<0.000020
Strontium	**mg/L**	0.910	0.901	1.16	1.17	1.02
Thallium	**mg/L**	0.000011	< 0.00001	0.000014	0.000014	0.000014
Tin	**mg/L**	< 0.0050	< 0.0050	< 0.0050	< 0.0050	<0.0050
Titanium	**mg/L**	< 0.0050	< 0.0050	< 0.0050	< 0.0050	<0.0050
Uranium	**mg/L**	0.00149	0.0012	0.00188	0.00265	0.00315
Vanadium	**mg/L**	< 0.0050	< 0.0050	< 0.0050	< 0.0050	<0.0050
Zinc	**mg/L**	< 0.0050	< 0.0050	< 0.0050	< 0.0050	<0.0050
WQ07- Dissolved Metals						
Aluminum	**mg/L**	0.183	0.125	0.152	0.225	0.282
Antimony	**mg/L**	0.00114	0.00112	0.00121	0.00113	0.00101
Arsenic	**mg/L**	0.00937	0.00511	0.00562	0.0104	0.0186
Barium	**mg/L**	0.0383	0.0379	0.0418	0.0431	0.0405
Beryllium	**mg/L**	< 0.00010	< 0.00010	< 0.00010	< 0.00010	< 0.00010
Boron	**mg/L**	0.112	0.112	0.149	0.161	0.163
Cadmium	**mg/L**	< 0.000010	< 0.000010	< 0.000010	< 0.000010	< 0.000010
Calcium (Dissolved)	**mg/L**	99.7	101	119	120	110
Chromium	**mg/L**	< 0.0010	< 0.0010	< 0.0010	< 0.0010	<0.0010
Cobalt	**mg/L**	0.00093	0.00086	0.00098	0.00087	0.00086
Copper	**mg/L**	0.00221	0.00195	0.00252	0.00247	0.00287
Iron	**mg/L**	0.0133	0.0077	< 0.0050	< 0.0050	0.0152
Lead	**mg/L**	< 0.00020	< 0.00020	< 0.00020	< 0.00020	<0.00020
Lithium	**mg/L**	0.0184	0.0169	0.0201	0.0196	0.0196
Magnesium (Dissolved)	**mg/L**	25.0	24.2	30.4	32.4	31
Manganese	**mg/L**	0.0394	0.0328	0.0411	0.0373	0.0321
Mercury	**mg/L**	< 0.00001	< 0.00001	< 0.00001	< 0.00001	<0.00001
Molybdenum	**mg/L**	0.0049	0.0048	0.0050	0.0048	0.0045
Nickel	**mg/L**	0.0059	0.0055	0.0063	0.0060	0.0062
Potassium (Dissolved)	**mg/L**	13.0	13.7	16.8	17.3	17
Selenium	**mg/L**	0.00040	0.00035	0.00051	0.00053	0.00044
Silver	**mg/L**	< 0.000020	< 0.000020	< 0.000020	< 0.000020	<0.000020

Sodium (Dissolved)	**mg/L**	123	123	160	173	170
Strontium	**mg/L**	0.916	0.91	1.13	1.17	1.02
Thallium	**mg/L**	0.000012	< 0.00001	0.000013	0.000013	0.000013
Tin	**mg/L**	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Titanium	**mg/L**	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Uranium	**mg/L**	0.00124	0.00097	0.00157	0.00259	0.00290
Vanadium	**mg/L**	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 0.0050
Zinc	**mg/L**	< 0.0050	< 0.0050	< 0.0050	< 0.0050	0.0110
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	< 0.00020
Ethylbenzene	**mg/L**	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Toluene	**mg/L**	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Xylenes	**mg/L**	< 0.00040	< 0.00040	< 0.00040	< 0.00040	< 0.00040
m,p-Xylenes	**mg/L**	< 0.00040	< 0.00040	< 0.00040	< 0.00040	< 0.00040
o-Xylene	**mg/L**	< 0.00020	< 0.00020	< 0.00020	< 0.00020	< 0.00020
F1 (C6-C10)-BTEX	**mg/L**	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
F1 (C6-C10)	**mg/L**	< 0.025	< 0.025	< 0.025	< 0.025	< 0.025
F2 (C10-C16)	**mg/L**	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
F3 (C16-C34)	**mg/L**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
F4 (C34-C50)	**mg/L**	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2

Sample date		8/7/2026
Sample name		MEL-15
WQ02- Conventional Parameters		
pH	**pH units**	7.98
Turbidity	**NTU**	0.8
Conductivity	**ms/cm**	0.193
Hardness, as CaCO3	**mg/L**	72.3
Total alkalinity, as CaCO3	**mg/L**	52
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	52
TDS	**mg/L**	90
TDS, calculated	**mg/L**	97
TSS	**mg/L**	1
Total organic carbon	**mg/L**	5.7
Dissolved organic carbon	**mg/L**	5.3
WQ03- Major Ions		
Chloride	**mg/L**	16
Cyanide	**mg/L**	0.00063
Cyanide (free)	**mg/L**	< 0.00050
Cyanide (WAD)	**mg/L**	< 0.00050
Silica	**mg/L**	1.5
Sulfate	**mg/L**	15
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.073
Nitrate (as N)	**mg/L**	< 0.10
Nitrite (as N)	**mg/L**	< 0.010
Total Kjeldahl nitrogen	**mg/L**	0.35
Total phosphorus	**mg/L**	0.025
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0033
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00335
Barium	**mg/L**	0.0183
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00062
Iron	**mg/L**	0.101

Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Manganese	**mg/L**	0.0197
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**	0.125
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**	0.00301
Barium	**mg/L**	0.0171
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	23.9
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00059
Iron	**mg/L**	0.0568
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Magnesium (Dissolved)	**mg/L**	2.84
Manganese	**mg/L**	0.0044
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Potassium (Dissolved)	**mg/L**	1.36
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	7.09
Strontium	**mg/L**	0.122
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		8/7/2026
Sample name		MEL-16
WQ02- Conventional Parameters		
pH	**pH units**	7.68
Turbidity	**NTU**	0.7
Conductivity	**ms/cm**	0.180
Hardness, as CaCO3	**mg/L**	62.7
Total alkalinity, as CaCO3	**mg/L**	43
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	43
TDS	**mg/L**	85
TDS, calculated	**mg/L**	87
TSS	**mg/L**	1
Total organic carbon	**mg/L**	4.9
Dissolved organic carbon	**mg/L**	4.4
WQ03- Major Ions		
Chloride	**mg/L**	18
Cyanide	**mg/L**	0.00053
Cyanide (free)	**mg/L**	< 0.00050
Cyanide (WAD)	**mg/L**	< 0.00050
Silica	**mg/L**	0.64
Sulfate	**mg/L**	11
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**	0.27
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0050
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.0140
Barium	**mg/L**	0.0253
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050

Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00097
Iron	**mg/L**	0.064
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Manganese	**mg/L**	0.0038
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**	0.106
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**	0.0130
Barium	**mg/L**	0.0251
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	20.3
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00096
Iron	**mg/L**	0.0316
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Magnesium (Dissolved)	**mg/L**	2.81
Manganese	**mg/L**	0.0014
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Potassium (Dissolved)	**mg/L**	1.62
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020

Sodium (Dissolved)	**mg/L**	7.31
Strontium	**mg/L**	0.106
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		8/7/2026
Sample name		MEL-17
WQ02- Conventional Parameters		
pH	**pH units**	7.92
Turbidity	**NTU**	1.1
Conductivity	**ms/cm**	0.446
Hardness, as CaCO3	**mg/L**	159
Total alkalinity, as CaCO3	**mg/L**	75
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	75
TDS	**mg/L**	320
TDS, calculated	**mg/L**	240
TSS	**mg/L**	1
Total organic carbon	**mg/L**	13
Dissolved organic carbon	**mg/L**	13
WQ03- Major Ions		
Chloride	**mg/L**	56
Cyanide	**mg/L**	0.00090
Cyanide (free)	**mg/L**	0.00074
Cyanide (WAD)	**mg/L**	0.00053
Silica	**mg/L**	1.4
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**	0.72
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0147

Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00180
Barium	**mg/L**	0.0395
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00116
Iron	**mg/L**	0.152
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0053
Manganese	**mg/L**	0.0236
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**	0.340
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	0.00016
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	0.0087
WQ07- Dissolved Metals		
Aluminum	**mg/L**	< 0.0030
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00160
Barium	**mg/L**	0.0397
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	49.6
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00102
Iron	**mg/L**	0.0849
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0053
Magnesium (Dissolved)	**mg/L**	7.97
Manganese	**mg/L**	0.0145
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010

Nickel	**mg/L**	0.0018
Potassium (Dissolved)	**mg/L**	3.34
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	21.1
Strontium	**mg/L**	0.333
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	0.00017
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050

Sample date		8/7/2026
Sample name		MEL-18
WQ02- Conventional Parameters		
pH	**pH units**	8.08
Turbidity	**NTU**	0.7
Conductivity	**ms/cm**	0.276
Hardness, as CaCO3	**mg/L**	100
Total alkalinity, as CaCO3	**mg/L**	55
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	55
TDS	**mg/L**	165
TDS, calculated	**mg/L**	140
TSS	**mg/L**	< 1
Total organic carbon	**mg/L**	5.0
Dissolved organic carbon	**mg/L**	4.9
WQ03- Major Ions		
Chloride	**mg/L**	34
Cyanide	**mg/L**	< 0.00050
Cyanide (free)	**mg/L**	< 0.00050
Cyanide (WAD)	**mg/L**	< 0.00050
Silica	**mg/L**	0.99
Sulfate	**mg/L**	23
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**	0.32

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**	0.00532
Barium	**mg/L**	0.0229
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00084
Iron	**mg/L**	0.059
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0078
Manganese	**mg/L**	0.0086
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**	0.229
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**	0.00467
Barium	**mg/L**	0.0220
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	32.8
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00086
Iron	**mg/L**	0.0236
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0079

Magnesium (Dissolved)	**mg/L**	4.61
Manganese	**mg/L**	0.0020
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Potassium (Dissolved)	**mg/L**	1.82
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	9.95
Strontium	**mg/L**	0.224
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

Sample date		8/7/2026
Sample name		MEL-19
WQ02- Conventional Parameters		
pH	**pH units**	8.16
Turbidity	**NTU**	1.0
Hardness, as CaCO3	**mg/L**	452
Total alkalinity, as CaCO3	**mg/L**	95
TDS	**mg/L**	1230
TDS, calculated	**mg/L**	1100
TSS	**mg/L**	1
WQ03- Major Ions		
Chloride	**mg/L**	340
Cyanide	**mg/L**	0.00066
Fluoride	**mg/L**	0.15
Silica	**mg/L**	1.3
Sulfate	**mg/L**	350
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.10
Nitrate (as N)	**mg/L**	3.92
Nitrite (as N)	**mg/L**	< 0.010
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		

Aluminum	**mg/L**	0.0395
Arsenic	**mg/L**	0.0155
Barium	**mg/L**	0.0371
Cadmium	**mg/L**	0.000019
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00377
Iron	**mg/L**	0.048
Lead	**mg/L**	< 0.00020
Manganese	**mg/L**	0.0131
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0045
Nickel	**mg/L**	0.0179
Selenium	**mg/L**	0.00090
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	0.000015
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	124
Magnesium (Dissolved)	**mg/L**	36.9
Potassium (Dissolved)	**mg/L**	17.4
Sodium (Dissolved)	**mg/L**	191

Sample date		8/7/2026
Sample name		MEL-20
WQ02- Conventional Parameters		
pH	**pH units**	7.91
Turbidity	**NTU**	0.7
Hardness, as CaCO3	**mg/L**	1270
Total alkalinity, as CaCO3	**mg/L**	100
TDS	**mg/L**	4150
TDS, calculated	**mg/L**	3800
TSS	**mg/L**	6
WQ03- Major Ions		
Chloride	**mg/L**	1600
Cyanide	**mg/L**	0.00518
Fluoride	**mg/L**	0.20
Silica	**mg/L**	2.8
Sulfate	**mg/L**	730
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	5.6

Nitrate (as N)	**mg/L**	43.9
Nitrite (as N)	**mg/L**	0.736
Total phosphorus	**mg/L**	0.021
Orthophosphate (P)	**mg/L**	0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.047
Arsenic	**mg/L**	0.0590
Barium	**mg/L**	0.0669
Cadmium	**mg/L**	0.000268
Chromium	**mg/L**	< 0.0050
Copper	**mg/L**	0.0053
Iron	**mg/L**	0.090
Lead	**mg/L**	< 0.0010
Manganese	**mg/L**	0.621
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0079
Nickel	**mg/L**	0.0823
Selenium	**mg/L**	0.00278
Silver	**mg/L**	< 0.00010
Thallium	**mg/L**	< 0.000050
Zinc	**mg/L**	< 0.025
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	261
Magnesium (Dissolved)	**mg/L**	139
Potassium (Dissolved)	**mg/L**	43.9
Sodium (Dissolved)	**mg/L**	752

Sample date		8/7/2026
Sample name		MEL-21
WQ02- Conventional Parameters		
pH	**pH units**	8.05
Turbidity	**NTU**	1.5
Hardness, as CaCO3	**mg/L**	669
Total alkalinity, as CaCO3	**mg/L**	94
TDS	**mg/L**	1760
TDS, calculated	**mg/L**	1500
TSS	**mg/L**	6
WQ03- Major Ions		
Chloride	**mg/L**	520

Cyanide	**mg/L**	0.00291
Fluoride	**mg/L**	0.13
Silica	**mg/L**	3.5
Sulfate	**mg/L**	400
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.14
Nitrate (as N)	**mg/L**	11.8
Nitrite (as N)	**mg/L**	0.048
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0985
Arsenic	**mg/L**	0.0427
Barium	**mg/L**	0.0465
Cadmium	**mg/L**	0.000079
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00378
Iron	**mg/L**	0.252
Lead	**mg/L**	0.00161
Manganese	**mg/L**	0.189
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0113
Nickel	**mg/L**	0.0270
Selenium	**mg/L**	0.00153
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	0.000019
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	180
Magnesium (Dissolved)	**mg/L**	49.5
Potassium (Dissolved)	**mg/L**	21.4
Sodium (Dissolved)	**mg/L**	226

Sample date		8/7/2026
Sample name		MEL-22
WQ02- Conventional Parameters		
pH	**pH units**	7.89
Turbidity	**NTU**	1.2
Hardness, as CaCO3	**mg/L**	1340

Total alkalinity, as CaCO3	**mg/L**	100
TDS	**mg/L**	4630
TDS, calculated	**mg/L**	3900
TSS	**mg/L**	3
WQ03- Major Ions		
Chloride	**mg/L**	1800
Cyanide	**mg/L**	0.114
Fluoride	**mg/L**	0.13
Silica	**mg/L**	4.2
Sulfate	**mg/L**	640
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	19
Nitrate (as N)	**mg/L**	30.3
Nitrite (as N)	**mg/L**	0.716
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0459
Arsenic	**mg/L**	0.0238
Barium	**mg/L**	0.0701
Cadmium	**mg/L**	0.000046
Chromium	**mg/L**	< 0.0020
Copper	**mg/L**	0.0030
Iron	**mg/L**	0.188
Lead	**mg/L**	< 0.00040
Manganese	**mg/L**	0.229
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0150
Nickel	**mg/L**	0.0555
Selenium	**mg/L**	0.00260
Silver	**mg/L**	< 0.000040
Thallium	**mg/L**	0.000047
Zinc	**mg/L**	< 0.010
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	342
Magnesium (Dissolved)	**mg/L**	106
Potassium (Dissolved)	**mg/L**	69.8
Sodium (Dissolved)	**mg/L**	705

Sample date		8/7/2026
Sample name		MEL-23
WQ02- Conventional Parameters		
pH	**pH units**	8.00
Turbidity	**NTU**	1.6
Hardness, as CaCO3	**mg/L**	771
Total alkalinity, as CaCO3	**mg/L**	81
TDS	**mg/L**	2100
TDS, calculated	**mg/L**	1600
TSS	**mg/L**	1
WQ03- Major Ions		
Chloride	**mg/L**	660
Cyanide	**mg/L**	0.00106
Fluoride	**mg/L**	0.15
Silica	**mg/L**	2.0
Sulfate	**mg/L**	340
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.46
Nitrate (as N)	**mg/L**	5.65
Nitrite (as N)	**mg/L**	0.066
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0281
Arsenic	**mg/L**	0.0139
Barium	**mg/L**	0.0393
Cadmium	**mg/L**	0.000091
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00177
Iron	**mg/L**	0.038
Lead	**mg/L**	< 0.00020
Manganese	**mg/L**	0.0833
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0071
Nickel	**mg/L**	0.0624
Selenium	**mg/L**	0.00085
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	0.000024
Zinc	**mg/L**	< 0.0050

WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	212
Magnesium (Dissolved)	**mg/L**	54.7
Potassium (Dissolved)	**mg/L**	25.2
Sodium (Dissolved)	**mg/L**	214

Sample date		8/18/2026
Sample name		MEL-29
WQ02- Conventional Parameters		
pH	**pH units**	7.76
Turbidity	**NTU**	4.5
Hardness, as CaCO3	**mg/L**	722
Total alkalinity, as CaCO3	**mg/L**	100
TDS	**mg/L**	1850
TDS, calculated	**mg/L**	1700
TSS	**mg/L**	9
WQ03- Major Ions		
Chloride	**mg/L**	460
Cyanide	**mg/L**	0.00912
Fluoride	**mg/L**	0.32
Silica	**mg/L**	5.0
Sulfate	**mg/L**	460
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	21
Nitrate (as N)	**mg/L**	41.6
Nitrite (as N)	**mg/L**	0.804
Total phosphorus	**mg/L**	0.026
Orthophosphate (P)	**mg/L**	<0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.142
Arsenic	**mg/L**	0.0179
Barium	**mg/L**	0.0840
Cadmium	**mg/L**	0.000057
Chromium	**mg/L**	<0.0020
Copper	**mg/L**	0.0085
Iron	**mg/L**	0.222
Lead	**mg/L**	0.00067
Manganese	**mg/L**	0.312
Mercury	**mg/L**	<0.00001
Molybdenum	**mg/L**	0.0088

Nickel	**mg/L**	0.104
Selenium	**mg/L**	0.00113
Silver	**mg/L**	<0.000040
Thallium	**mg/L**	0.000045
Zinc	**mg/L**	<0.010
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	169
Magnesium (Dissolved)	**mg/L**	65.3
Potassium (Dissolved)	**mg/L**	28.6
Sodium (Dissolved)	**mg/L**	234

Sample date		8/7/2026
Sample name		MEL-32 (Pump 01)
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	8.00
Turbidity	**NTU**	1.1
Hardness, as CaCO3	**mg/L**	237
Total alkalinity, as CaCO3	**mg/L**	92
TDS	**mg/L**	650
TDS, calculated	**mg/L**	610
TSS	**mg/L**	4
WQ03- Major Ions		
Chloride	**mg/L**	170
Cyanide	**mg/L**	0.00826
Fluoride	**mg/L**	0.12
Silica	**mg/L**	2.5
Sulfate	**mg/L**	140
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	5.8
Nitrate (as N)	**mg/L**	11.8
Nitrite (as N)	**mg/L**	0.159
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0648
Arsenic	**mg/L**	0.00906
Barium	**mg/L**	0.0264
Cadmium	**mg/L**	0.000028
Chromium	**mg/L**	< 0.0010

Copper	**mg/L**	0.00285
Iron	**mg/L**	0.118
Lead	**mg/L**	< 0.00020
Manganese	**mg/L**	0.0578
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0036
Nickel	**mg/L**	0.0095
Selenium	**mg/L**	0.00058
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	0.000016
Titanium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	66.2
Magnesium (Dissolved)	**mg/L**	16.6
Potassium (Dissolved)	**mg/L**	11.5
Sodium (Dissolved)	**mg/L**	99.6

Sample date		8/1/2026	8/8/2026	8/15/2026
Sample name		MEL-D-4	MEL-D-4	MEL-D-4
Parameter	**Unit**			
WQ02- Conventional Parameters				
pH	**pH units**	8.00	8.05	8.10
TSS	**mg/L**	<1	1	1

Sample date		8/3/2026	8/6/2026	8/10/2026
Sample name		MEL-SR-1	MEL-SR-1	MEL-SR-1
Parameter	**Unit**			
WQ02- Conventional Parameters				
pH	**pH units**	7.89	8.14	8.21
Turbidity	**NTU**	2.5	1.1	3.2
Hardness, as CaCO3	**mg/L**	664	464	
Total alkalinity, as CaCO3	**mg/L**	180	210	220
TDS, calculated	**mg/L**	1300	820	660
TSS	**mg/L**	10	2	2
WQ03- Major Ions				
Chloride	**mg/L**	550	240	170

Cyanide	**mg/L**	0.00073	0.00052	0.00050
Fluoride	**mg/L**	0.12	0.12	0.13
Silica	**mg/L**	5.5	5.5	5.1
Sulfate	**mg/L**	230	160	130
WQ04- Nutrients and Chlorophyll a				
Ammonia Nitrogen (as N)	**mg/L**	0.21	<0.050	<0.050
Nitrate (as N)	**mg/L**	0.43	0.14	<0.01
Nitrite (as N)	**mg/L**	<0.010	<0.010	<0.010
Total phosphorus	**mg/L**	<0.020	<0.020	<0.020
Orthophosphate (P)	**mg/L**	<0.010	<0.020	<0.020
WQ05- General Organics				
Total oil and grease	**mg/L**	<0.50	0.90	<0.50
WQ06- Total Metals				
Aluminum	**mg/L**	0.295	0.0513	0.486
Arsenic	**mg/L**	0.00538	0.00452	0.00550
Barium	**mg/L**	0.0912	0.0653	0.0629
Cadmium	**mg/L**	0.000058	0.000012	0.000013
Chromium	**mg/L**	0.0018	<0.0010	0.0029
Copper	**mg/L**	0.00435	0.00432	0.00432
Iron	**mg/L**	0.646	0.213	1.12
Lead	**mg/L**	0.00026	<0.00020	0.00044
Manganese	**mg/L**	0.121	0.0269	0.0361
Mercury	**mg/L**	<0.00001	<0.00001	<0.00001
Molybdenum	**mg/L**	0.0012	0.0018	0.0020
Nickel	**mg/L**	0.0332	0.0142	0.0114
Selenium	**mg/L**	0.00018	0.00013	0.00011
Silver	**mg/L**	<0.000020	<0.000020	<0.000020
Thallium	**mg/L**	0.000022	0.000012	0.000015
Titanium	**mg/L**	0.0089	<0.0050	0.0153
Zinc	**mg/L**	0.0473	0.0111	0.0139
WQ07- Dissolved Metals				
Calcium (Dissolved)	**mg/L**	194	141	122
Magnesium (Dissolved)	**mg/L**	41.6	25.1	20.3
Potassium (Dissolved)	**mg/L**	18.2	12.0	11.3
Sodium (Dissolved)	**mg/L**	202	103	75.8

Sample date		8/10/2026
Sample name		MEL-SR-11
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	8.07
Turbidity	**NTU**	3.0
Hardness, as CaCO3	**mg/L**	254
Total alkalinity, as CaCO3	**mg/L**	78
TDS	**mg/L**	460
TDS, calculated	**mg/L**	390
TSS	**mg/L**	15
WQ03- Major Ions		
Chloride	**mg/L**	21
Cyanide	**mg/L**	< 0.00050
Fluoride	**mg/L**	0.30
Silica	**mg/L**	4.0
Sulfate	**mg/L**	210
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	< 0.050
Nitrate (as N)	**mg/L**	1.07
Nitrite (as N)	**mg/L**	< 0.010
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**	0.161
Arsenic	**mg/L**	0.00686
Barium	**mg/L**	0.0275
Cadmium	**mg/L**	0.000014
Chromium	**mg/L**	0.0010
Copper	**mg/L**	0.00264
Iron	**mg/L**	0.356
Lead	**mg/L**	0.00037
Manganese	**mg/L**	0.0044
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0068
Nickel	**mg/L**	0.0058
Selenium	**mg/L**	0.00046
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	0.000022
Titanium	**mg/L**	< 0.0050

Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	73.6
Magnesium (Dissolved)	**mg/L**	20.4
Potassium (Dissolved)	**mg/L**	10.7
Sodium (Dissolved)	**mg/L**	18.1

Sample date		8/10/2026
Sample name		MEL-SR-14
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.94
Turbidity	**NTU**	2.1
Hardness, as CaCO3	**mg/L**	497
Total alkalinity, as CaCO3	**mg/L**	130
TDS	**mg/L**	1340
TDS, calculated	**mg/L**	1100
TSS	**mg/L**	42
WQ03- Major Ions		
Chloride	**mg/L**	380
Cyanide	**mg/L**	0.00055
Fluoride	**mg/L**	0.14
Silica	**mg/L**	4.6
Sulfate	**mg/L**	300
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	< 0.050
Nitrate (as N)	**mg/L**	0.59
Nitrite (as N)	**mg/L**	< 0.010
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**	0.0324
Arsenic	**mg/L**	0.00098
Barium	**mg/L**	0.0583
Cadmium	**mg/L**	0.000036
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.0134
Iron	**mg/L**	0.105

Lead	**mg/L**	< 0.00020
Manganese	**mg/L**	0.0021
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0034
Nickel	**mg/L**	0.0078
Selenium	**mg/L**	0.00021
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	0.000038
Titanium	**mg/L**	< 0.0050
Zinc	**mg/L**	0.307
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	137
Magnesium (Dissolved)	**mg/L**	39.7
Potassium (Dissolved)	**mg/L**	12.1
Sodium (Dissolved)	**mg/L**	188