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

Prepared for:
Nunavut Water Board

Prepared by:
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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 June 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	-	-	-	-	-	-	298,534
Dust suppression[2]	m^3	0	0	0	0	1	131	-	-	-	-	-	-	1
Dust suppression[3]	m^3	0	0	0	0	0	60	-	-	-	-	-	-	60

2.2 DEWATERING ACTIVITIES

No dewatering activities took place during the month.

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 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	-	-	-	-	-	-	265,231
MEL-26	m^3	0	0	0	0	0	-	-	-	-	-	-	-	0
MEL-25	m^3	0	0	0	0	0	936	-	-	-	-	-	-	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	-	-	-	-	-	-	30,102
Sewage Sludge	Amount (m^3)	8.2	75.5	7.7	10	8.7	7.7	-	-	-	-	-	-	117.8
	Disposal Location	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	-	-	-	-	-	-	N/A

2.6 MONITORING ANALYTICAL DATA

Twenty-three (23) 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[4]			30,652			-			-			-
Landfarm (Survey)	m^3	704[5]			776			-			-			-
Landfarm[6]	m^3	3	9	2.85	4.25	5.5	10.8	-	-	-	-	-	-	35.4

[4] 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.
[5] 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.
[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 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	-	-	-	-	-	-	1,206,486
Waste Rock	Removed from open pit mining	110,145	250,637	427,834	629,818	465,110	365,515	-	-	-	-	-	-	2,249,059
	Removed from underground mining	82,316	83,645	100,588	85,214	91,617	76,801	-	-	-	-	-	-	520,181
	Used as underground dry rockfill	32,431	28,224	39,417	30,834	41,170	43,182	-	-	-	-	-	-	215,258
Tailings	Send to TSF	159,000	118,837	181,127	186,834	187,972	174,917	-	-	-	-	-	-	1,008,686
	Used as paste underground backfill	25,299	34,271	39,722	32,562	39,348	26,597	-	-	-	-	-	-	197,800

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. One (1) reportable spill 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
Thursday, June 04, 2026 4:00:00 PM	Hydraulic Oil	1L	CP1 jetty	1L of hydraulic oil spilled from a backhoe when a hydraulic hose failed at the CP1 jetty.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at Landfarm.
Thursday, June 04, 2026 9:18:00 PM	Hydraulic Oil	90L	WRSF3	90L of hydraulic oil spilled from a haul truck when the clamp on the hydraulic line failed at WRSF3.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at Landfarm.
Sunday, June 07, 2026 1:40:00 AM	Diesel	25L	3 Million Fuel Farm	25L of diesel spilled from a fuel truck when the diesel overflowed from the truck's overflow vent at the 3Million Fuel Farm.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin.
Monday, June 08, 2026 9:00:00 AM	Diesel	25L	F-Zone	A 25 L of diesel spill from unknown equipment was found after freshet at F-zone.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin.
Thursday, June 11, 2026 1:00:00 PM	Hydraulic Oil	12L	East side of the Mill	12L of hydraulic oil spilled from an excavator when a hydraulic hose failed on the East side of the Mill.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at Landfarm.
Saturday, June 13, 2026 8:30:00 AM	Hydraulic Oil	18L	North side of Mill	18L of hydraulic oil spilled from a roll-off truck when a hydraulic	Spill pads were deployed to clean up the spill and disposed of in the appropriate

				hose failed at the ERT garage.	bin. Contaminated material was scrapped and disposed of at Landfarm.
Saturday, June 13, 2026 10:30:00 AM	Diesel	5L	Maintenance Yard Bay	A 5L of diesel spill from unknown equipment was found upon freshet in front of the Maintenance Bay.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin.
Sunday, June 14, 2026 9:00:00 AM	EWTP discharge water	3 m3	Waterline by Explo camp	A consultant (Kilgour and Associates Ltd.) hired to perform freshet inspection around site was walking the Exploration Camp Road and discovered water spilling from a drain valve along the EWTP to Meliadine Lake discharge line. This was an unplanned release of treated effluent that was supposed to be discharged at the MEL-14 discharge point, which is located 23 m away from the unplanned release location. Pre-discharge toxicology and water quality samples were taken prior to the start of discharge at MEL-14 and sent to accredited labs. Post-discharge samples were also taken the day following the unplanned release. Results for both samples were under criteria for discharging, in accordance with the Licence. This unplanned release did not occur within the bounds of the site's runoff collection system and discharged into Meliadine Lake.	The consultant immediately reached out to the Environment Department who contacted the Energy and Infrastructure (E&I) Water Management Supervisor on site to report the unplanned release. The Water Management Supervisor immediately dispatched an employee to repair the drain valve. The E&I Water Management Supervisor also stopped the discharge on the line until the issue with the drain valve was fixed. Meliadine Lake is a fish-bearing lake but no deleterious substances nor impacts on fish or fish habitat are anticipated.
Sunday, June 14, 2026 3:10:00 PM	Hydraulic Oil	40L	TIRI-01	40 L of hydraulic oil spilled from a haul truck when a brake cooling line failed in TIRI01.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at Landfarm.

Sunday, June 14, 2026 7:00:00 PM	Diesel	2L	KM 9	2L of diesel spilled from a water truck when one of the fuel injectors on the fuel rail broke at Pulaarvik camp.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and placed in a Quatrex bag.
Saturday, June 20, 2026 5:30:00 AM	Coolant	1L	Surface Operations Parking Lot	Employee was doing a pre-operation inspection and found a coolant leak beneath a vehicle.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin.
Sunday, June 21, 2026 2:00:00 AM	Surface contact water from CP8	10 m3	CP8 discharge line, between CP8 and CP3	10 m3 of contact water spilled from the CP8 discharge line when a few leaks along the line were discovered during an inspection between CP8 and CP3.	The surface contact water spilled was contained within the site's water management infastructures.
Monday, June 22, 2026 5:00:00 AM	Surface contact water from A8	2 m3	TIRI-02 ring road	Approximately 2 m3 of surface contact water from A8 spilled from leaks along the line from A8 to CP1 near Tiri02 ring road.	Pumping from A8 was stopped until the line was repaired. The surface contact water spilled was contained within the site's water management infastructures.
Saturday, June 27, 2026 7:30:00 AM	Coolant	1L	WRSF6	When conducting the pre-op PC1250 and starting the equipment the employee noticed a small coolant leak at Pump 1 Waste Stockpile.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and placed in a Quatrex bag.
Saturday, June 27, 2026 4:00:00 PM	Hydraulic Oil	1L	Water Treatment Complex	Hydraulic line failure on a backhoe outrigger caused a 1L hydraulic 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 Landfarm.
Sunday, June 28, 2026 7:30:00 AM	Hydraulic Oil	3L	Mobile Maintenance Downline	An underground haul truck was brought to surface and parked at the downline. An oil leak was observed on the ground originating from the left rear wheel.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at Landfarm.

Appendix – Monitoring Analytical Data

MEL-11		6/1/2026
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.32
Turbidity	**NTU**	0.7
Conductivity	**ms/cm**	0.189
Hardness, as CaCO3	**mg/L**	54.6
Total alkalinity, as CaCO3	**mg/L**	29
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	29
TDS	**mg/L**	115
TDS, calculated	**mg/L**	94
TSS	**mg/L**	< 1
Total organic carbon	**mg/L**	4.3
Dissolved organic carbon	**mg/L**	4.3
WQ03- Major Ions		
Chloride	**mg/L**	24
Cyanide	**mg/L**	< 0.00050
Cyanide (free)	**mg/L**	0.00060
Cyanide (WAD)	**mg/L**	0.00077
Silica	**mg/L**	0.48
Sulfate	**mg/L**	19
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**	0.19
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0032
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00076
Barium	**mg/L**	0.0158
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**	0.013
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020

Manganese	**mg/L**	0.0044
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**	0.0879
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**	0.0063
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00075
Barium	**mg/L**	0.0160
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	17.3
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00098
Iron	**mg/L**	< 0.0050
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Magnesium (Dissolved)	**mg/L**	3.11
Manganese	**mg/L**	0.0026
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Potassium (Dissolved)	**mg/L**	1.61
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	11.9
Strontium	**mg/L**	0.0881
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		6/14/2026
WQ02- Conventional Parameters		
pH	**pH units**	7.75
Turbidity	**NTU**	4.6
Hardness, as CaCO3	**mg/L**	272
Total alkalinity, as CaCO3	**mg/L**	54
TDS	**mg/L**	675
TDS, calculated	**mg/L**	630
TSS	**mg/L**	8
WQ03- Major Ions		
Chloride	**mg/L**	220
Cyanide	**mg/L**	0.00937
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	1.1
Sulfate	**mg/L**	140
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.28
Nitrate (as N)	**mg/L**	6.44
Nitrite (as N)	**mg/L**	0.129
Total phosphorus	**mg/L**	0.051
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.297
Arsenic	**mg/L**	0.0261
Barium	**mg/L**	0.0220
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00282

Iron	**mg/L**	0.200
Lead	**mg/L**	0.00083
Manganese	**mg/L**	0.133
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0036
Nickel	**mg/L**	0.0050
Selenium	**mg/L**	0.00049
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	< 0.000010
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	72.8
Magnesium (Dissolved)	**mg/L**	19.4
Potassium (Dissolved)	**mg/L**	10.2
Sodium (Dissolved)	**mg/L**	109

MEL-13		6/28/2026
WQ02- Conventional Parameters		
pH	**pH units**	7.53
Turbidity	**NTU**	1.5
Conductivity	**ms/cm**	0.136
Hardness, as CaCO3	**mg/L**	36.9
Total alkalinity, as CaCO3	**mg/L**	17
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	17
TDS	**mg/L**	65
TDS, calculated	**mg/L**	64
TSS	**mg/L**	1
Total organic carbon	**mg/L**	3.4
Dissolved organic carbon	**mg/L**	3.3
WQ03- Major Ions		
Chloride	**mg/L**	18
Cyanide	**mg/L**	< 0.00050
Cyanide (free)	**mg/L**	< 0.00050
Cyanide (WAD)	**mg/L**	< 0.00050
Silica	**mg/L**	0.32
Sulfate	**mg/L**	13
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**	0.00637
Antimony	**mg/L**	< 0.000020
Arsenic	**mg/L**	0.000542
Barium	**mg/L**	0.0104
Beryllium	**mg/L**	< 0.000010
Boron	**mg/L**	< 0.01
Cadmium	**mg/L**	< 0.0000050
Chromium	**mg/L**	0.00018
Cobalt	**mg/L**	0.0000308
Copper	**mg/L**	0.000750
Iron	**mg/L**	0.0210
Lead	**mg/L**	0.0000089
Lithium	**mg/L**	0.00056
Manganese	**mg/L**	0.00466
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.000120
Nickel	**mg/L**	0.000798
Selenium	**mg/L**	0.000040
Silver	**mg/L**	< 0.0000050
Strontium	**mg/L**	0.0588
Thallium	**mg/L**	0.0000025
Tin	**mg/L**	< 0.00020
Titanium	**mg/L**	< 0.00050
Uranium	**mg/L**	0.0000345
Vanadium	**mg/L**	< 0.00020
Zinc	**mg/L**	0.00057
WQ07- Dissolved Metals		
Aluminum	**mg/L**	0.00414
Antimony	**mg/L**	< 0.000020
Arsenic	**mg/L**	0.000525
Barium	**mg/L**	0.0109
Beryllium	**mg/L**	< 0.000010
Boron	**mg/L**	< 0.01
Cadmium	**mg/L**	< 0.0000050
Calcium (Dissolved)	**mg/L**	11.5
Chromium	**mg/L**	0.00015
Cobalt	**mg/L**	0.0000171
Copper	**mg/L**	0.000678

Iron	**mg/L**	0.0080
Lead	**mg/L**	< 0.0000050
Lithium	**mg/L**	0.00097
Magnesium (Dissolved)	**mg/L**	2.19
Manganese	**mg/L**	0.00150
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.000600
Nickel	**mg/L**	0.000806
Potassium (Dissolved)	**mg/L**	1.14
Selenium	**mg/L**	0.000041
Silver	**mg/L**	< 0.0000050
Sodium (Dissolved)	**mg/L**	8.39
Strontium	**mg/L**	0.0591
Thallium	**mg/L**	< 0.0000020
Tin	**mg/L**	< 0.00020
Titanium	**mg/L**	< 0.00050
Uranium	**mg/L**	0.0000228
Vanadium	**mg/L**	< 0.00020
Zinc	**mg/L**	0.00165
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		6/14/2026	6/22/2026	6/29/2026
WQ02- Conventional Parameters				
pH	pH units	7.53	7.72	7.79
Turbidity	NTU	1.9	2.5	5.5
Conductivity	ms/cm	1.14	1.25	1.40
Hardness, as CaCO3	mg/L	274	285	276
Total alkalinity, as CaCO3	mg/L	40	48	48
Carbonate, as CaCO3	mg/L	< 1.0	< 1.0	< 1.0
Bicarbonate, as CaCO3	mg/L	40	48	48
TDS	mg/L	720	845	905
TDS, calculated	mg/L	630	700	730
TSS	mg/L	3	2	7
Total organic carbon	mg/L	3.8	4.1	6.3
Dissolved organic carbon	mg/L	3.3	3.7	4.7
WQ03- Major Ions				
Chloride	mg/L	230	250	270
Cyanide	mg/L	0.00652	0.00711	0.00319
Cyanide (free)	mg/L	0.00397	0.00356	0.00178
Cyanide (WAD)	mg/L	0.0038	0.0041	0.0018
Silica	mg/L	1.1	< 0.050	0.81
Sulfate	mg/L	130	150	150
WQ04- Nutrients and Chlorophyll a				
Ammonia Nitrogen (as N)	mg/L	0.31	0.70	0.48
Un-Ionized Ammonia, calculated	mg/L	0.0006	0.0050	0.0016
Nitrate (as N)	mg/L	6.71	6.76	7.05
Nitrite (as N)	mg/L	0.128	0.157	0.219
Total Kjeldahl nitrogen	mg/L	0.70	0.94	0.76
Total phosphorus	mg/L	0.021	< 0.020	0.031
Orthophosphate (P)	mg/L	< 0.010	< 0.010	< 0.010
WQ06- Total Metals				
Aluminum	mg/L	0.401	0.458	1.08
Antimony	mg/L	0.00079	0.00096	0.00093
Arsenic	mg/L	0.00645	0.0122	0.0107
Barium	mg/L	0.0192	0.0241	0.0243
Beryllium	mg/L	< 0.00010	< 0.00010	< 0.00010
Boron	mg/L	0.084	0.099	0.105
Cadmium	mg/L	< 0.000010	< 0.000010	< 0.000010
Chromium	mg/L	< 0.0010	< 0.0010	< 0.0010
Cobalt	mg/L	0.00093	0.00105	0.00096
Copper	mg/L	0.00151	0.00166	0.00183

Iron	mg/L	0.022	0.014	0.013
Lead	mg/L	< 0.00020	< 0.00020	< 0.00020
Lithium	mg/L	0.0114	0.0150	0.0144
Manganese	mg/L	0.0501	0.0337	0.0125
Mercury	mg/L	-	< 0.00001	< 0.00001
Molybdenum	mg/L	0.0033	0.0039	0.0039
Nickel	mg/L	0.0037	0.0048	0.0041
Selenium	mg/L	0.00051	0.00050	0.00046
Silver	mg/L	< 0.000020	< 0.000020	< 0.000020
Strontium	mg/L	0.660	0.782	0.762
Thallium	mg/L	< 0.000010	0.000012	0.000014
Tin	mg/L	< 0.0050	< 0.0050	< 0.0050
Titanium	mg/L	< 0.0050	< 0.0050	< 0.0050
Uranium	mg/L	0.00024	0.00047	0.00111
Vanadium	mg/L	< 0.0050	< 0.0050	< 0.0050
Zinc	mg/L	< 0.0050	< 0.0050	< 0.0050
WQ07- Dissolved Metals				
Aluminum	mg/L	0.0840	0.110	0.504
Antimony	mg/L	0.00078	0.00099	0.00107
Arsenic	mg/L	0.00543	000115	0.00712
Barium	mg/L	0.0190	0.0241	0.0258
Beryllium	mg/L	< 0.00010	< 0.00010	< 0.00010
Boron	mg/L	0.087	0.090	0.107
Cadmium	mg/L	< 0.000010	0.000016	< 0.000010
Calcium (Dissolved)	mg/L	70.7	78.1	82.8
Chromium	mg/L	< 0.0010	< 0.0010	< 0.0010
Cobalt	mg/L	0.00097	0.00108	0.00106
Copper	mg/L	0.00158	0.00158	0.00195
Iron	mg/L	0.0094	< 0.0050	< 0.0050
Lead	mg/L	< 0.00020	< 0.00020	< 0.00020
Lithium	mg/L	0.0118	0.0146	0.0146
Magnesium (Dissolved)	mg/L	19.3	19.0	23.0
Manganese	mg/L	0.0483	0.0306	0.0076
Mercury	mg/L	< 0.00001	< 0.00001	< 0.00001
Molybdenum	mg/L	0.0037	0.0039	0.0044
Nickel	mg/L	0.0040	0.0049	0.0041
Potassium (Dissolved)	mg/L	10.3	11.6	12.2
Selenium	mg/L	0.00052	0.00051	0.00056
Silver	mg/L	< 0.000020	< 0.000020	< 0.000020
Sodium (Dissolved)	mg/L	102	103	120

Strontium	mg/L	0.689	0.803	0.797
Thallium	mg/L	< 0.000010	0.000014	0.000013
Tin	mg/L	< 0.0050	< 0.0050	< 0.0050
Titanium	mg/L	< 0.0050	< 0.0050	< 0.0050
Uranium	mg/L	0.00013	0.00037	0.00099
Vanadium	mg/L	< 0.0050	< 0.0050	< 0.0050
Zinc	mg/L	< 0.0050	< 0.0050	< 0.0050
WQ08- Radionuclides				
Radium-226	Bq/l	< 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
Ethylbenzene	mg/L	< 0.00020	< 0.00020	< 0.00020
Toluene	mg/L	< 0.00020	< 0.00020	< 0.00020
Xylenes	mg/L	< 0.00040	< 0.00040	< 0.00040
m,p-Xylenes	mg/L	< 0.00040	< 0.00040	< 0.00040
o-Xylene	mg/L	< 0.00020	< 0.00020	< 0.00020
F1 (C6-C10)-BTEX	mg/L	< 0.025	< 0.025	< 0.025
F1 (C6-C10)	mg/L	< 0.025	< 0.025	< 0.025
F2 (C10-C16)	mg/L	< 0.09	< 0.09	< 0.09
F3 (C16-C34)	mg/L	< 0.2	< 0.2	< 0.2
F4 (C34-C50)	mg/L	< 0.2	< 0.2	< 0.2

MEL-15		6/13/2026
WQ02- Conventional Parameters		
pH	**pH units**	7.70
Turbidity	**NTU**	0.8
Conductivity	**ms/cm**	0.283
Hardness, as CaCO3	**mg/L**	99.8
Total alkalinity, as CaCO3	**mg/L**	52
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	51
TDS	**mg/L**	180
TDS, calculated	**mg/L**	160
TSS	**mg/L**	1
Total organic carbon	**mg/L**	7.9
Dissolved organic carbon	**mg/L**	8.3
WQ03- Major Ions		
Chloride	**mg/L**	25
Cyanide	**mg/L**	0.00084
Cyanide (free)	**mg/L**	< 0.00050
Cyanide (WAD)	**mg/L**	0.00059
Silica	**mg/L**	1.8
Sulfate	**mg/L**	44
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.073
Nitrate (as N)	**mg/L**	0.49
Nitrite (as N)	**mg/L**	< 0.010
Total Kjeldahl nitrogen	**mg/L**	0.31
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0048
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00874
Barium	**mg/L**	0.0261
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00131
Iron	**mg/L**	0.044
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Manganese	**mg/L**	0.0053

Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	0.0019
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Strontium	**mg/L**	0.179
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 Metals		
Aluminum	**mg/L**	0.0033
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00915
Barium	**mg/L**	0.0278
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	36.2
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00110
Iron	**mg/L**	0.0329
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Magnesium (Dissolved)	**mg/L**	3.83
Manganese	**mg/L**	0.0041
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	0.0019
Potassium (Dissolved)	**mg/L**	2.26
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	10.3
Strontium	**mg/L**	0.214
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

MEL-16		6/13/2026
WQ02- Conventional Parameters		
pH	**pH units**	7.63
Turbidity	**NTU**	1.8
Conductivity	**ms/cm**	0.155
Hardness, as CaCO3	**mg/L**	53.8
Total alkalinity, as CaCO3	**mg/L**	33
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	33
TDS	**mg/L**	85
TDS, calculated	**mg/L**	79
TSS	**mg/L**	1
Total organic carbon	**mg/L**	3.9
Dissolved organic carbon	**mg/L**	4.0
WQ03- Major Ions		
Chloride	**mg/L**	17
Cyanide	**mg/L**	0.00057
Cyanide (free)	**mg/L**	< 0.00050
Cyanide (WAD)	**mg/L**	< 0.00050
Silica	**mg/L**	0.77
Sulfate	**mg/L**	13
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**	0.25
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0155
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.0129
Barium	**mg/L**	0.0258
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00096
Iron	**mg/L**	0.105
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**	0.0012
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Strontium	**mg/L**	0.0830
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**	0.0113
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.0118
Barium	**mg/L**	0.0266
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**	0.00069
Iron	**mg/L**	0.0463
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Magnesium (Dissolved)	**mg/L**	2.77
Manganese	**mg/L**	0.0067
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Potassium (Dissolved)	**mg/L**	1.45
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	6.50
Strontium	**mg/L**	0.0897
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		6/13/2026
WQ02- Conventional Parameters		
pH	**pH units**	7.84
Turbidity	**NTU**	3.4
Conductivity	**ms/cm**	0.318
Hardness, as CaCO3	**mg/L**	116
Total alkalinity, as CaCO3	**mg/L**	46
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	45
TDS	**mg/L**	215
TDS, calculated	**mg/L**	170
TSS	**mg/L**	2
Total organic carbon	**mg/L**	9.5
Dissolved organic carbon	**mg/L**	9.2
WQ03- Major Ions		
Chloride	**mg/L**	33
Cyanide	**mg/L**	0.00144
Cyanide (free)	**mg/L**	0.00099
Cyanide (WAD)	**mg/L**	0.0018
Silica	**mg/L**	1.8
Sulfate	**mg/L**	55
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**	0.47
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0084
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00225
Barium	**mg/L**	0.0280
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010

Copper	**mg/L**	0.00139
Iron	**mg/L**	0.228
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0032
Manganese	**mg/L**	0.0308
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	0.0024
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Strontium	**mg/L**	0.234
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	0.00013
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Aluminum	**mg/L**	0.0092
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00211
Barium	**mg/L**	0.0268
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	36.1
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00136
Iron	**mg/L**	0.166
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0032
Magnesium (Dissolved)	**mg/L**	5.33
Manganese	**mg/L**	0.0245
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	0.0025
Potassium (Dissolved)	**mg/L**	2.25
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	14.5
Strontium	**mg/L**	0.219
Thallium	**mg/L**	< 0.000010

Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	0.00013
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050

MEL-18		6/13/2026
WQ02- Conventional Parameters		
pH	**pH units**	7.74
Turbidity	**NTU**	1.2
Conductivity	**ms/cm**	0.317
Hardness, as CaCO3	**mg/L**	115
Total alkalinity, as CaCO3	**mg/L**	43
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	42
TDS	**mg/L**	195
TDS, calculated	**mg/L**	180
TSS	**mg/L**	2
Total organic carbon	**mg/L**	5.1
Dissolved organic carbon	**mg/L**	5.2
WQ03- Major Ions		
Chloride	**mg/L**	35
Cyanide	**mg/L**	0.00064
Cyanide (free)	**mg/L**	< 0.00050
Cyanide (WAD)	**mg/L**	0.00052
Silica	**mg/L**	0.74
Sulfate	**mg/L**	53
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**	0.30
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0086
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00567
Barium	**mg/L**	0.0237
Beryllium	**mg/L**	< 0.00010

Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00081
Iron	**mg/L**	0.125
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0062
Manganese	**mg/L**	0.0144
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**	0.228
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
WQ07- Dissolved Metals		
Aluminum	**mg/L**	< 0.0030
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00533
Barium	**mg/L**	0.0254
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	38.6
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00064
Iron	**mg/L**	0.0727
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0064
Magnesium (Dissolved)	**mg/L**	6.05
Manganese	**mg/L**	0.0092
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	0.0011
Potassium (Dissolved)	**mg/L**	2.31
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020

Sodium (Dissolved)	**mg/L**	13.5
Strontium	**mg/L**	0.282
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

MEL-19		6/13/2026
WQ02- Conventional Parameters		
pH	**pH units**	7.88
Turbidity	**NTU**	3.9
Hardness, as CaCO3	**mg/L**	170
Total alkalinity, as CaCO3	**mg/L**	53
TDS	**mg/L**	390
TDS, calculated	**mg/L**	370
TSS	**mg/L**	4
WQ03- Major Ions		
Chloride	**mg/L**	83
Cyanide	**mg/L**	0.00097
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	1.8
Sulfate	**mg/L**	130
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.090
Nitrate (as N)	**mg/L**	2.05
Nitrite (as N)	**mg/L**	0.018
Total phosphorus	**mg/L**	0.029
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0781
Arsenic	**mg/L**	0.0181
Barium	**mg/L**	0.0126
Cadmium	**mg/L**	0.000018
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00186
Iron	**mg/L**	0.140
Lead	**mg/L**	0.00035
Manganese	**mg/L**	0.0679

Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0040
Nickel	**mg/L**	0.0120
Selenium	**mg/L**	0.00048
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	< 0.000010
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	47.8
Magnesium (Dissolved)	**mg/L**	14.4
Potassium (Dissolved)	**mg/L**	7.65
Sodium (Dissolved)	**mg/L**	51.9

MEL-20		6/13/2026
WQ02- Conventional Parameters		
pH	**pH units**	7.77
Turbidity	**NTU**	44
Hardness, as CaCO3	**mg/L**	265
Total alkalinity, as CaCO3	**mg/L**	61
TDS	**mg/L**	670
TDS, calculated	**mg/L**	620
TSS	**mg/L**	55
WQ03- Major Ions		
Chloride	**mg/L**	180
Cyanide	**mg/L**	0.037
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	2.3
Sulfate	**mg/L**	160
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	4.8
Nitrate (as N)	**mg/L**	10.0
Nitrite (as N)	**mg/L**	0.155
Total phosphorus	**mg/L**	0.067
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.949
Arsenic	**mg/L**	0.108
Barium	**mg/L**	0.0446
Cadmium	**mg/L**	0.000040
Chromium	**mg/L**	0.0027
Copper	**mg/L**	0.00734
Iron	**mg/L**	2.01

Lead	**mg/L**	0.00631
Manganese	**mg/L**	0.122
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0028
Nickel	**mg/L**	0.0185
Selenium	**mg/L**	0.00065
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	0.000026
Zinc	**mg/L**	0.0057
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	74.7
Magnesium (Dissolved)	**mg/L**	21.7
Potassium (Dissolved)	**mg/L**	9.36
Sodium (Dissolved)	**mg/L**	93.6

MEL-21		6/13/2026
WQ02- Conventional Parameters		
pH	**pH units**	7.98
Turbidity	**NTU**	54
Hardness, as CaCO3	**mg/L**	340
Total alkalinity, as CaCO3	**mg/L**	79
TDS	**mg/L**	750
TDS, calculated	**mg/L**	620
TSS	**mg/L**	93
WQ03- Major Ions		
Chloride	**mg/L**	200
Cyanide	**mg/L**	0.00706
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	2.4
Sulfate	**mg/L**	150
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.94
Nitrate (as N)	**mg/L**	4.17
Nitrite (as N)	**mg/L**	0.055
Total phosphorus	**mg/L**	0.079
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	1.26
Arsenic	**mg/L**	0.144
Barium	**mg/L**	0.0323

Cadmium	**mg/L**	0.000043
Chromium	**mg/L**	0.0038
Copper	**mg/L**	0.00706
Iron	**mg/L**	3.04
Lead	**mg/L**	0.00788
Manganese	**mg/L**	0.121
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0071
Nickel	**mg/L**	0.0148
Selenium	**mg/L**	0.00069
Silver	**mg/L**	0.000021
Thallium	**mg/L**	0.000023
Zinc	**mg/L**	0.0071
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	105
Magnesium (Dissolved)	**mg/L**	18.8
Potassium (Dissolved)	**mg/L**	11.1
Sodium (Dissolved)	**mg/L**	66.8

MEL-22		6/13/2026
WQ02- Conventional Parameters		
pH	**pH units**	7.90
Turbidity	**NTU**	2.3
Hardness, as CaCO3	**mg/L**	837
Total alkalinity, as CaCO3	**mg/L**	80
TDS	**mg/L**	2200
TDS, calculated	**mg/L**	1900
TSS	**mg/L**	4
WQ03- Major Ions		
Chloride	**mg/L**	840
Cyanide	**mg/L**	0.0267
Fluoride	**mg/L**	0.10
Silica	**mg/L**	2.5
Sulfate	**mg/L**	280
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	8.9
Nitrate (as N)	**mg/L**	15.1
Nitrite (as N)	**mg/L**	0.210
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		

Aluminum	**mg/L**	0.0630
Arsenic	**mg/L**	0.0134
Barium	**mg/L**	0.0471
Cadmium	**mg/L**	0.000030
Chromium	**mg/L**	< 0.0020
Copper	**mg/L**	0.0025
Iron	**mg/L**	0.175
Lead	**mg/L**	< 0.00040
Manganese	**mg/L**	0.130
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0080
Nickel	**mg/L**	0.0270
Selenium	**mg/L**	0.00061
Silver	**mg/L**	< 0.000040
Thallium	**mg/L**	0.000030
Zinc	**mg/L**	< 0.010
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	237
Magnesium (Dissolved)	**mg/L**	51.5
Potassium (Dissolved)	**mg/L**	31.9
Sodium (Dissolved)	**mg/L**	297

MEL-23		6/13/2026
WQ02- Conventional Parameters		
pH	**pH units**	7.83
Turbidity	**NTU**	2.1
Hardness, as CaCO3	**mg/L**	195
Total alkalinity, as CaCO3	**mg/L**	39
TDS	**mg/L**	530
TDS, calculated	**mg/L**	430
TSS	**mg/L**	6
WQ03- Major Ions		
Chloride	**mg/L**	160
Cyanide	**mg/L**	< 0.00050
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	1.0
Sulfate	**mg/L**	89
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.52
Nitrate (as N)	**mg/L**	1.34
Nitrite (as N)	**mg/L**	0.020

Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0796
Arsenic	**mg/L**	0.0142
Barium	**mg/L**	0.0114
Cadmium	**mg/L**	0.000025
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00106
Iron	**mg/L**	0.193
Lead	**mg/L**	0.00120
Manganese	**mg/L**	0.0682
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0023
Nickel	**mg/L**	0.0139
Selenium	**mg/L**	0.00023
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	< 0.000010
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	54.1
Magnesium (Dissolved)	**mg/L**	16.0
Potassium (Dissolved)	**mg/L**	7.19
Sodium (Dissolved)	**mg/L**	69.3

MEL-24		6/13/2026
WQ02- Conventional Parameters		
pH	**pH units**	9.84
Turbidity	**NTU**	6.2
Hardness, as CaCO3	**mg/L**	1910
Total alkalinity, as CaCO3	**mg/L**	150
TDS, calculated	**mg/L**	3900
TSS	**mg/L**	23
WQ03- Major Ions		
Chloride	**mg/L**	1500
Cyanide	**mg/L**	0.253
Fluoride	**mg/L**	0.37
Silica	**mg/L**	9.8
Sulfate	**mg/L**	730
WQ04- Nutrients and Chlorophyll a		

Ammonia Nitrogen (as N)	**mg/L**	21
Nitrate (as N)	**mg/L**	49.0
Nitrite (as N)	**mg/L**	2.32
Total phosphorus	**mg/L**	0.85
Orthophosphate (P)	**mg/L**	0.025
WQ06- Total Metals		
Aluminum	**mg/L**	0.336
Arsenic	**mg/L**	0.123
Barium	**mg/L**	0.135
Cadmium	**mg/L**	0.000202
Chromium	**mg/L**	0.0990
Copper	**mg/L**	0.0887
Iron	**mg/L**	0.380
Lead	**mg/L**	0.0021
Manganese	**mg/L**	0.0631
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.255
Nickel	**mg/L**	0.0150
Selenium	**mg/L**	0.00591
Silver	**mg/L**	0.00012
Thallium	**mg/L**	< 0.000050
Zinc	**mg/L**	0.195
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	740
Magnesium (Dissolved)	**mg/L**	8.49
Potassium (Dissolved)	**mg/L**	206
Sodium (Dissolved)	**mg/L**	403

MEL-SR1		6/2/2026	6/10/2026	6/18/2026
WQ02- Conventional Parameters				
pH	**pH units**	7.87	8.16	8.18
Turbidity	**NTU**	6.1	1.7	3.8
Hardness, as CaCO3	**mg/L**	201	302	302
Total alkalinity, as CaCO3	**mg/L**	120	170	190
TDS, calculated	**mg/L**	320	470	510
TSS	**mg/L**	3	2	< 1
WQ03- Major Ions				
Chloride	**mg/L**	82	120	120
Cyanide	**mg/L**	0.00056	0.00075	0.00055
Fluoride	**mg/L**	< 0.10	< 0.10	0.12

Silica	**mg/L**	1.7	2.3	2.7
Sulfate	**mg/L**	52	78	89
WQ04- Nutrients and Chlorophyll a				
Ammonia Nitrogen (as N)	**mg/L**	< 0.050	< 0.050	0.11
Nitrate (as N)	**mg/L**	< 0.10	< 0.10	< 0.10
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	< 0.010	< 0.010
WQ05- General Organics				
Total oil and grease	**mg/L**	< 0.50	4.8	0.80
WQ06- Total Metals				
Aluminum	**mg/L**	0.0058	0.0346	0.0134
Arsenic	**mg/L**	0.00252	0.00391	0.00360
Barium	**mg/L**	0.0305	0.0428	0.0434
Cadmium	**mg/L**	< 0.000010	0.000010	< 0.000010
Chromium	**mg/L**	< 0.0010	< 0.0010	< 0.0010
Copper	**mg/L**	0.00233	0.00263	0.00249
Iron	**mg/L**	0.048	0.121	0.110
Lead	**mg/L**	< 0.00020	< 0.00020	< 0.00020
Manganese	**mg/L**	0.0119	0.0097	0.0211
Mercury	**mg/L**	< 0.00001	< 0.00001	< 0.00001
Molybdenum	**mg/L**	0.0012	0.0013	0.0017
Nickel	**mg/L**	0.0070	0.0069	0.0065
Selenium	**mg/L**	< 0.00010	< 0.00010	< 0.00010
Silver	**mg/L**	< 0.000020	< 0.000020	< 0.000020
Thallium	**mg/L**	< 0.000010	0.000012	0.000011
Zinc	**mg/L**	0.0137	0.0119	0.0090
WQ07- Dissolved Metals				
Calcium (Dissolved)	**mg/L**	64.3	87.0	102
Magnesium (Dissolved)	**mg/L**	9.90	15.1	16.8
Potassium (Dissolved)	**mg/L**	6.08	8.59	9.34
Sodium (Dissolved)	**mg/L**	34.3	52.7	57.5

MEL-SR11		6/10/2026
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.95
Turbidity	**NTU**	2.1
Hardness, as CaCO3	**mg/L**	92.6
Total alkalinity, as CaCO3	**mg/L**	53

TDS, calculated	**mg/L**	140
TSS	**mg/L**	1
WQ03- Major Ions		
Chloride	**mg/L**	12
Cyanide	**mg/L**	< 0.00050
Fluoride	**mg/L**	0.12
Silica	**mg/L**	1.4
Sulfate	**mg/L**	49
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.060
Nitrate (as N)	**mg/L**	0.48
Nitrite (as N)	**mg/L**	0.013
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ05- General Organics		
Total oil and grease	**mg/L**	0.70
WQ06- Total Metals		
Aluminum	**mg/L**	0.0405
Arsenic	**mg/L**	0.00269
Barium	**mg/L**	0.0164
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00153
Iron	**mg/L**	0.082
Lead	**mg/L**	< 0.00020
Manganese	**mg/L**	0.0024
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0018
Nickel	**mg/L**	0.0026
Selenium	**mg/L**	0.00013
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	< 0.000010
Zinc	**mg/L**	0.0103
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	27.3
Magnesium (Dissolved)	**mg/L**	5.90
Potassium (Dissolved)	**mg/L**	5.14
Sodium (Dissolved)	**mg/L**	7.45

MEL-SR13		6/10/2026
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	8.03
Turbidity	**NTU**	2.0
Hardness, as CaCO3	**mg/L**	231
Total alkalinity, as CaCO3	**mg/L**	120
TDS, calculated	**mg/L**	550
TSS	**mg/L**	1
WQ03- Major Ions		
Chloride	**mg/L**	180
Cyanide	**mg/L**	0.00088
Fluoride	**mg/L**	0.10
Silica	**mg/L**	2.2
Sulfate	**mg/L**	110
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 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**	0.0085
Arsenic	**mg/L**	0.00061
Barium	**mg/L**	0.0280
Cadmium	**mg/L**	0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00370
Iron	**mg/L**	0.017
Lead	**mg/L**	< 0.00020
Manganese	**mg/L**	< 0.0010
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0011
Nickel	**mg/L**	0.0029
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	< 0.000010
Zinc	**mg/L**	0.0224

WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	61.6
Magnesium (Dissolved)	**mg/L**	19.2
Potassium (Dissolved)	**mg/L**	8.47
Sodium (Dissolved)	**mg/L**	105

MEL-SR14		6/10/2026
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	8.00
Turbidity	**NTU**	2.2
Hardness, as CaCO3	**mg/L**	117
Total alkalinity, as CaCO3	**mg/L**	78
TDS, calculated	**mg/L**	270
TSS	**mg/L**	2
WQ03- Major Ions		
Chloride	**mg/L**	56
Cyanide	**mg/L**	0.00058
Fluoride	**mg/L**	0.12
Silica	**mg/L**	2.6
Sulfate	**mg/L**	72
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	< 0.050
Nitrate (as N)	**mg/L**	0.14
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**	0.0470
Arsenic	**mg/L**	0.00198
Barium	**mg/L**	0.0191
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.0124
Iron	**mg/L**	0.111
Lead	**mg/L**	< 0.00020
Manganese	**mg/L**	0.0019
Mercury	**mg/L**	< 0.00001

Molybdenum	**mg/L**	0.0014
Nickel	**mg/L**	0.0041
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	0.000015
Zinc	**mg/L**	0.0703
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	32.3
Magnesium (Dissolved)	**mg/L**	8.15
Potassium (Dissolved)	**mg/L**	5.12
Sodium (Dissolved)	**mg/L**	46.2

MEL-SR22		6/10/2026	6/18/2026
WQ02- Conventional Parameters			
pH	**pH units**	7.50	7.36
Turbidity	**NTU**	1.4	1.5
Hardness, as CaCO3	**mg/L**	49.7	38.5
Total alkalinity, as CaCO3	**mg/L**	27	22
TDS, calculated	**mg/L**	85	64
TSS	**mg/L**	1	< 1
WQ03- Major Ions			
Chloride	**mg/L**	12	9.4
Cyanide	**mg/L**	< 0.00050	0.00053
Fluoride	**mg/L**	< 0.10	< 0.10
Silica	**mg/L**	0.58	0.62
Sulfate	**mg/L**	28	19
WQ04- Nutrients and Chlorophyll a			
Ammonia Nitrogen (as N)	**mg/L**	< 0.050	0.089
Nitrate (as N)	**mg/L**	< 0.10	< 0.10
Nitrite (as N)	**mg/L**	< 0.010	< 0.010
Total phosphorus	**mg/L**	< 0.020	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010	< 0.010
WQ05- General Organics			
Total oil and grease	**mg/L**	< 0.50	0.90
WQ06- Total Metals			
Aluminum	**mg/L**	0.0143	0.0134
Arsenic	**mg/L**	0.00147	0.00129
Barium	**mg/L**	0.0277	0.0202
Cadmium	**mg/L**	< 0.000010	< 0.000010
Chromium	**mg/L**	< 0.0010	< 0.0010

Copper	**mg/L**	0.00168	0.00219
Iron	**mg/L**	0.254	0.124
Lead	**mg/L**	< 0.00020	< 0.00020
Manganese	**mg/L**	0.0029	0.0013
Mercury	**mg/L**	< 0.00001	< 0.00001
Molybdenum	**mg/L**	< 0.0010	< 0.0010
Nickel	**mg/L**	0.0012	0.0012
Selenium	**mg/L**	< 0.00010	< 0.00010
Silver	**mg/L**	< 0.000020	< 0.000020
Thallium	**mg/L**	< 0.000010	< 0.000010
Zinc	**mg/L**	< 0.0050	< 0.0050
WQ07- Dissolved Metals			
Calcium (Dissolved)	**mg/L**	15.9	12.1
Magnesium (Dissolved)	**mg/L**	2.52	2.02
Potassium (Dissolved)	**mg/L**	2.47	1.84
Sodium (Dissolved)	**mg/L**	7.99	6.19