



**Meliadine Gold Mine
NWB 2AM-MEL1631
July 2025 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 8 of amended Type A Water License 2AM-MEL1631, this report documents the water management and monitoring activities at the mine site and provides a summary of spills/actions for the month of July 2025.

SECTION 2 • WATER MANAGEMENT

2.1 WATER USAGE

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

Table 2.1: Summary of the monthly water usage in 2025

Usage	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2025 Total
MEL-11 ¹	m ³	40,096	44,128	50,163	46,201	53,972	33,147	54,531	-	-	-	-	-	322,238
Dust suppression ²	m ³	0	0	0	0	0	0	0	-	-	-	-	-	0
Dust suppression ³	m ³	0	0	0	0	174	665	1,286	-	-	-	-	-	2,125

2.2 DEWATERING ACTIVITIES

Four ponds (4) ponds (A8, A7, J7, B7) were dewatered to Meliadine Lake and Contact Water management facilities (Collection Pond 1) during the month as part of the permitted fish salvage.

2.3 WATER DISCHARGE

Table 2.3 details monthly water discharge, including:

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

¹ Camp, Mill, Dust suppression

² Water obtained along AWAR/Meliadine River

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

Table 2.3: Summary of the monthly water discharge in 2025

Location	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2025 Total
MEL-14	m ³	0	0	0	0	0	326,050 ⁴	403,228	-	-	-	-	-	729,278
MEL-26	m ³	0	0	0	0	0	0	0	-	-	-	-	-	0
MEL-25	m ³	0	0	0	0	0	0	0	-	-	-	-	-	0

2.4 SEEPAGE AND RUNOFF FROM THE LANDFILL AND LANDFARM

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

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

2.5 SEWAGE TREATMENT PLANT

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

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

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2025 Total
Wastewater Discharge (m ³)		4,973	4,474	4,930.4	4,876.5	5015.9	4,823	4,989	-	-	-	-	-	34,078.7
Sewage Sludge	Amount (m ³)	12	10	12.40	11.20	9.4	10.5	10.1	-	-	-	-	-	75.6
	Disposal Location	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	-	-	-	-	-	-

2.6 MONITORING ANALYTICAL DATA

Twenty-one (21) samples related to the Water Licence were taken during the month. The analytical results are presented in Appendix.

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

SECTION 3 • MATERIAL MANAGEMENT

3.1 LANDFILL / LANDFARM

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

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

Location	Unit	Q1			Q2			Q3			Q4			2025 Total
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Landfill (Survey)	m ³	33,105			27,277			-			-			-
Landfarm (Survey)	m ³	849 ⁵			712			-			-			-
Landfarm ⁶	m ³	2	0.8	23.85	17.8	80.01	3	25.05	-	-	-	-	-	152.51

⁵ From landfarm survey conducted in November 2024. Surveys of the Landfarm are generally not conducted during the winter months, as the presence of snow would not allow a representative survey of the soil quantity.

⁶ Amount of contaminated solid material (soil) placed in the Landfarm or lined sorting area.

3.2 ORE, WASTE ROCK STORAGE FACILITY, TAILINGS

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

Table 3.2: Summary of the monthly material management in 2025

Material (tonnes)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Cumulative 2025
Processed Ore		158,386	189,690	209,731	196,665	226,886	121,619	236,015	-	-	-	-	-	1,338,992
Waste Rock	Removed from open pit mining	382,704	369,748	457,569	528,808	610,631	242,664	460,794	-	-	-	-	-	3,052,918
	Removed from underground mining	99,563	87,430	89,629	80,238	50,097	65,115	62,408	-	-	-	-	-	534,480
	Used as underground dry rockfill	44,117	47,159	56,034	47,094	50,097	48,215	53,501	-	-	-	-	-	346,217
Tailings	Send to TSF	128,762	161,625	176,249	169,507	192,605	106,322	214,306	-	-	-	-	-	1,149,376
	Used as paste underground backfill	29,624	28,065	33,482	27,158	34,281	15,297	21,709	-	-	-	-	-	189,616

SECTION 4 SPILL MANAGEMENT

4.1 INTERNAL AND REPORTABLE SPILLS

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

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

Date and time of occurrence	Contaminant	Estimated quantity	Exact location of incident	Description of incident	Describe immediate corrective actions
Tuesday, July 01, 2025 9:00:00 AM	Hydraulic oil	5 L	HDD Pad in Itivia	While positioning a drill, drills got it hung up on the rockface causing it to go unbalanced and spill 5L of hydraulic oil on the surrounding area.	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.
Wednesday, July 02, 2025 1:30:00 PM	Diesel fuel	10 L	KCG Parking lot	Fuel nozzle failed to disengage upon loader's tank fill-up, resulting in approximately 10L of fuel being sprayed onto the ground	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at Landfarm.
Wednesday, July 02, 2025 8:30:00 PM	Hydraulic oil	8 L	CP2 ramp	Worker parked the water truck prior to refilling. Upon return, oil was observed leaking from the sight glass.	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, July 03, 2025 8:00:00 PM	Waste Oil	250 L	MSB Maintenance shop yard	a skid steer operator was bringing a waste oil tote for storage in a sea can. When he put the tote down in the sea can, the bottom valve of the tote popped out. The entire waste oil tote emptied in the sea can and migrated outside, thus creating the spill.	Following the incident, the operator promptly deployed a spill kit to contain the release. The Surface Operations department was contacted to initiate the remediation efforts utilizing an excavator. A total of five quatex bags containing contaminated soil were collected and securely stored in the Maintenance

					departments oily solids sea-can. This sea-can is scheduled to be inspected and shipped south for remediation.
Friday, July 04, 2025 1:30:00 PM	Hydraulic fluid	20 L		While dumping at surface, the haul truck experienced a hydraulic hose or fitting failure, releasing fluid onto the ground at OP2.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin.
Saturday, July 05, 2025 8:00:00 PM	Coolant	20 L	OP-2 near the OPLG pile	An elbow fitting in a loader failed, resulting in a 20L spill of coolant.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin.
Sunday, July 06, 2025 3:30:00 PM	Saline water	2000 L	SP1 First Flange after valves	Upon the Saline Effluent Treatment Plant (SETP) start up, it was discovered that saline water was leaking from a flange on the SP1 line, releasing approximately 2 m3 of saline water into CP5. The spill occurred within the site's contact water management system.	Water samples were collected from CP5 (MEL-22 regulatory station) on July 7th. Results confirmed that impacts on water quality in CP5 were minor. Consequently, any effect on CP1 was assessed to be negligible and well within Total Dissolved Solids (TDS) compliance limits for discharge, as outlined under Part F, Item 4 of the Licence. TDS levels in CP5 remained well within the range typical for contact water. This discharge to CP5 was unintentional and did not result in an exceedance
Friday, July 11, 2025 2:00:00 AM	Hydraulic oil	30 L	OP2 Waste pad	A hydraulic hose failed on a haul truck resulting in a 30L spill of hydraulic oil.	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, July 13, 2025 4:30:00 PM	Engine coolant	5 L	WestMeg haul road	A coolant hose failed on an excavator, resulting in a 5L spill of coolant	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of in a hazmat bin

Wednesday, July 16, 2025 3:30:00 PM	hydraulic oil	10 L	Surface Fuel Farm OP2	While approaching OP2 for refueling, the operator exited the haul truck and observed a minor hydraulic leak	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, July 17, 2025 6:30:00 PM	Sewage	50 L	Wing 2 lift station	Approximately 50 L of sewage spilled onto the industrial pad outside the Wing 2 lift station. Upon inspection, it was determined that this spill was caused by the loss of power at the lift station pump, causing the lift station to back up and overflow.	Upon discovering the spill, a vacuum truck and an electrician were dispatched to respond to the spill. The pump was turned back on to prevent further spillage at the lift station. The vacuum truck was utilized to empty the contents within the secondary containment. The contaminated material on the ground was excavated and transported to Landfarm A in accordance with the Spill Contingency Plan.
Monday, July 21, 2025 4:00:00 PM	Engine Oil	3 L	Awar Near km 8	Engine failed on a pickup, resulting in a 50L spill of engine oil.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of in a hazmat bin
Monday, July 28, 2025 1:30:00 AM	Hydraulic oil	40 L	Tiri 1 10010MS31	A hydraulic hose failed on a haul truck resulting in a 40L spill of hydraulic oil.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin.
Monday, July 28, 2025 7:30:00 AM	Hydraulic oil	30 L	AWAR - Kilometer 20	A hydraulic hose failed on a loader resulting in a 30L spill of hydraulic oil.	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-D-1		7/5/2025	7/15/2025	7/27/2025
Parameter	Unit			
WQ02- Conventional Parameters				
pH	pH units	7.73	7.88	7.85
TSS	mg/L	4	2	2

MEL-11		7/1/2025
Parameter	Unit	
WQ02- Conventional Parameters		
pH	pH units	7.35
Turbidity	NTU	0.2
Conductivity	ms/cm	0.155
Hardness, as CaCO ₃	mg/L	39.3
Total alkalinity, as CaCO ₃	mg/L	24
Carbonate, as CaCO ₃	mg/L	< 1.0
Bicarbonate, as CaCO ₃	mg/L	23
TDS	mg/L	80
TDS, calculated	mg/L	74
TSS	mg/L	< 1
Total organic carbon	mg/L	4.2
Dissolved organic carbon	mg/L	4.2
WQ03- Major Ions		
Chloride	mg/L	21
Cyanide	mg/L	0.00057
Cyanide (free)	mg/L	< 0.00050
Cyanide (WAD)	mg/L	0.00088
Silica	mg/L	1.1
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 phosphorus	mg/L	< 0.020
Orthophosphate (P)	mg/L	< 0.010
WQ06- Total Metals		
Aluminum	mg/L	0.0046
Antimony	mg/L	< 0.00050
Arsenic	mg/L	0.00080
Barium	mg/L	0.0133

Beryllium	mg/L	< 0.00010
Boron	mg/L	< 0.050
Cadmium	mg/L	< 0.000010
Chromium	mg/L	< 0.0010
Copper	mg/L	0.00107
Iron	mg/L	0.028
Lead	mg/L	< 0.00020
Lithium	mg/L	< 0.0020
Manganese	mg/L	0.0033
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	0.0610
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	0.00076
Barium	mg/L	0.0126
Beryllium	mg/L	< 0.00010
Boron	mg/L	< 0.050
Cadmium	mg/L	< 0.000010
Calcium (Dissolved)	mg/L	12.1
Chromium	mg/L	< 0.0010
Copper	mg/L	0.00094
Iron	mg/L	0.0197
Lead	mg/L	< 0.00020
Lithium	mg/L	< 0.0020
Magnesium (Dissolved)	mg/L	1.97
Manganese	mg/L	0.0018
Mercury	mg/L	< 0.00001
Molybdenum	mg/L	< 0.0010
Nickel	mg/L	0.0010
Potassium (Dissolved)	mg/L	1.15
Selenium	mg/L	< 0.00010
Silver	mg/L	< 0.000020

Sodium (Dissolved)	mg/L	10.4
Strontium	mg/L	0.0617
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		7/7/2025
Parameter	Unit	
WQ02- Conventional Parameters		
pH	pH units	7.68
Turbidity	NTU	2.5
Conductivity	ms/cm	1.37
Hardness, as CaCO ₃	mg/L	258
Total alkalinity, as CaCO ₃	mg/L	69
TDS	mg/L	770
TDS, calculated	mg/L	740
TSS	mg/L	5
Total organic carbon	mg/L	5.7
WQ03- Major Ions		
Chloride	mg/L	270
Cyanide	mg/L	0.00147
Fluoride	mg/L	< 0.10
Silica	mg/L	0.43
Sulfate	mg/L	160
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	mg/L	0.44
Nitrate (as N)	mg/L	5.80

Nitrite (as N)	mg/L	0.154
Total phosphorus	mg/L	0.043
Orthophosphate (P)	mg/L	< 0.010
WQ06- Total Metals		
Aluminum	mg/L	0.104
Arsenic	mg/L	0.0239
Barium	mg/L	0.0274
Cadmium	mg/L	0.000015
Chromium	mg/L	< 0.0010
Copper	mg/L	0.00260
Iron	mg/L	0.146
Lead	mg/L	0.00040
Manganese	mg/L	0.0658
Mercury	mg/L	< 0.00001
Molybdenum	mg/L	0.0047
Nickel	mg/L	0.0045
Selenium	mg/L	0.00055
Silver	mg/L	< 0.000020
Thallium	mg/L	0.000013
Titanium	mg/L	< 0.0050
Zinc	mg/L	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	mg/L	71.1
Magnesium (Dissolved)	mg/L	22.3
Potassium (Dissolved)	mg/L	11.8
Sodium (Dissolved)	mg/L	138

MEL-14		7/7/2025	7/14/2025	7/21/2025	7/28/2025	7/29/2025
Parameter	Unit					
WQ02- Conventional Parameters						
pH	pH units	7.70	7.65	7.75	7.84	7.73
Dissolved Oxygen	mg/L	9.54	9.86	9.16	10.4	12.0
Turbidity	NTU	0.8	1.0	0.9	1.1	0.9
Conductivity	ms/cm	1.30	1.51	1.48	1.28	1.30
Hardness, as CaCO ₃	mg/L	285	305	283	-	280
Total alkalinity, as CaCO ₃	mg/L	64	68	67	72	71
Carbonate, as CaCO ₃	mg/L	< 1.0	< 1.0	< 1.0	<1.0	< 1.0
Bicarbonate, as CaCO ₃	mg/L	63	68	67	71	71
TDS	mg/L	785	895	960	805	850
TDS, calculated	mg/L	740	820	820	710	720
TSS	mg/L	4	4	5	4	4
Total organic carbon	mg/L	5.0	5.3	5.4	6	5.8
Dissolved organic carbon	mg/L	4.4	5.0	4.9	5.5	5.3
WQ03- Major Ions						
Chloride	mg/L	270	300	310	250	260
Cyanide	mg/L	0.00185	0.00141	0.00100	0.00071	0.00097
Cyanide (free)	mg/L	0.00154	0.00127	0.00108	0.00072	0.00130
Cyanide (WAD)	mg/L	0.0015	0.0012	0.00099	0.00050	0.0013
Silica	mg/L	0.43	0.54	0.36	0.31	0.45
Sulfate	mg/L	150	170	160	140	140
WQ04- Nutrients and Chlorophyll a						
Ammonia Nitrogen (as N)	mg/L	0.38	0.36	0.11	0.099	0.15
Nitrate (as N)	mg/L	5.48	7.08	6.36	4.69	4.79
Nitrite (as N)	mg/L	0.155	0.225	0.094	0.076	0.073
Total phosphorus	mg/L	0.024	0.026	0.033	0.029	0.032
Orthophosphate (P)	mg/L	< 0.010	< 0.010	< 0.010	<0.010	0.012
WQ06- Total Metals						
Aluminum	mg/L	0.628	0.610	0.739	0.690	0.540

Antimony	mg/L	0.00118	0.00119	0.00118	0.00113	0.00094
Arsenic	mg/L	0.0111	0.00998	0.00721	0.0118	0.00849
Barium	mg/L	0.0297	0.0317	0.0291	0.0298	0.0290
Beryllium	mg/L	< 0.00010	< 0.00010	< 0.00010	<0.00010	< 0.00010
Boron	mg/L	0.146	0.174	0.148	0.133	0.118
Cadmium	mg/L	0.000011	0.000012	< 0.000010	0.000016	< 0.000010
Chromium	mg/L	< 0.0010	< 0.0010	< 0.0010	<0.0010	< 0.0010
Cobalt	mg/L	0.00130	0.00118	0.00095	0.00085	0.00096
Copper	mg/L	0.00249	0.00239	0.00210	0.00210	0.00216
Iron	mg/L	0.027	0.036	0.027	0.029	0.026
Lead	mg/L	< 0.00020	< 0.00020	< 0.00020	<0.00020	< 0.00020
Lithium	mg/L	0.0145	0.0153	0.0147	0.0148	0.0129
Manganese	mg/L	0.0535	0.0727	0.0353	0.0281	0.0403
Mercury	mg/L	< 0.00001	< 0.00001	< 0.00001	-	< 0.00001
Molybdenum	mg/L	0.0054	0.0052	0.0052	0.0049	0.0043
Nickel	mg/L	0.0046	0.0039	0.0031	0.0030	0.0036
Selenium	mg/L	0.00061	0.00069	0.00056	0.00053	0.00052
Silver	mg/L	< 0.000020	< 0.000020	< 0.000020	<0.000020	< 0.000020
Strontium	mg/L	0.863	0.848	0.714	0.756	0.740
Thallium	mg/L	0.000013	0.000015	0.000012	0.000013	0.000011
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	0.00123	0.00099	0.00161	0.00134
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	0.199	0.162	0.0928	0.203	0.172
Antimony	mg/L	0.00111	0.00116	0.00114	0.00104	0.00104
Arsenic	mg/L	0.00635	0.00588	0.00357	0.00662	0.00538
Barium	mg/L	0.0276	0.0340	0.0305	0.0291	0.0315
Beryllium	mg/L	< 0.00010	< 0.00010	< 0.00010	<0.00010	< 0.00010

Boron	mg/L	0.139	0.145	0.162	0.133	0.139
Cadmium	mg/L	0.000013	< 0.000010	< 0.000010	<0.000010	0.000026
Calcium (Dissolved)	mg/L	73.5	80.9	74.7	71.4	78.0
Chromium	mg/L	< 0.0010	< 0.0010	< 0.0010	<0.0010	< 0.0010
Cobalt	mg/L	0.00119	0.00126	0.00092	0.00080	0.00093
Copper	mg/L	0.00210	0.00235	0.00196	0.00198	0.00211
Iron	mg/L	< 0.0050	0.0072	< 0.0050	0.0073	< 0.0050
Lead	mg/L	< 0.00020	< 0.00020	< 0.00020	<0.00020	< 0.00020
Lithium	mg/L	0.0132	0.0148	0.0152	0.0146	0.0154
Magnesium (Dissolved)	mg/L	21.5	23.9	22.2	18.8	20.2
Manganese	mg/L	0.0468	0.0703	0.0332	0.0195	0.0347
Mercury	mg/L	< 0.00001	< 0.00001	< 0.00001		< 0.00001
Molybdenum	mg/L	0.0049	0.0053	0.0049	0.0047	0.0046
Nickel	mg/L	0.0042	0.0040	0.0031	0.0027	0.0033
Potassium (Dissolved)	mg/L	12.2	13.2	12.9	11.3	11.6
Selenium	mg/L	0.00061	0.00075	0.00059	0.00048	0.00060
Silver	mg/L	< 0.000020	< 0.000020	< 0.000020	<0.000020	< 0.000020
Sodium (Dissolved)	mg/L	136	155	151	124	123
Strontium	mg/L	0.776	0.770	0.744	0.729	0.727
Thallium	mg/L	0.000013	0.000013	0.000014	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	0.00100	0.00099	0.00067	0.00161	0.00134
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
WQ08- Radionuclides						
Radium-226	Bq/l	< 0.0050	< 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

MEL-15		7/7/2025
Parameter	Unit	
WQ02- Conventional Parameters		
pH	pH units	7.65
Turbidity	NTU	0.7
Conductivity	ms/cm	0.175
Hardness, as CaCO ₃	mg/L	63.2
Total alkalinity, as CaCO ₃	mg/L	48
Carbonate, as CaCO ₃	mg/L	<1.0
Bicarbonate, as CaCO ₃	mg/L	48
TDS	mg/L	100
TDS, calculated	mg/L	88
TSS	mg/L	2
Total organic carbon	mg/L	4.8
Dissolved organic carbon	mg/L	3.9
WQ03- Major Ions		
Chloride	mg/L	15
Cyanide	mg/L	<0.00050
Cyanide (free)	mg/L	<0.00050
Cyanide (WAD)	mg/L	<0.00050
Silica	mg/L	0.67
Sulfate	mg/L	17
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	mg/L	<0.050
Nitrate (as N)	mg/L	<0.010
Nitrite (as N)	mg/L	<0.10
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	0.0044
Antimony	mg/L	<0.00050
Arsenic	mg/L	0.00285
Barium	mg/L	0.0169
Beryllium	mg/L	<0.00010
Boron	mg/L	<0.050
Cadmium	mg/L	<0.000010
Chromium	mg/L	<0.0010
Copper	mg/L	0.0570
Iron	mg/L	0.104
Lead	mg/L	<0.00020
Lithium	mg/L	<0.0020

Manganese	mg/L	0.0122
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	0.101
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	0.00258
Barium	mg/L	0.0171
Beryllium	mg/L	<0.00010
Boron	mg/L	<0.050
Cadmium	mg/L	<0.000010
Calcium (Dissolved)	mg/L	19.3
Chromium	mg/L	<0.0010
Copper	mg/L	0.00068
Iron	mg/L	0.00064
Lead	mg/L	<0.00020
Lithium	mg/L	<0.0020
Magnesium (Dissolved)	mg/L	2.17
Manganese	mg/L	0.0028
Mercury	mg/L	<0.00001
Molybdenum	mg/L	<0.0010
Nickel	mg/L	<0.0010
Potassium (Dissolved)	mg/L	1.12
Selenium	mg/L	<0.00010
Silver	mg/L	<0.000020
Sodium (Dissolved)	mg/L	5.59
Strontium	mg/L	0.109
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-16		7/7/2025
Parameter	Unit	
WQ02- Conventional Parameters		
pH	pH units	7.65
Turbidity	NTU	0.6
Conductivity	ms/cm	0.153
Hardness, as CaCO ₃	mg/L	51.9
Total alkalinity, as CaCO ₃	mg/L	39
Carbonate, as CaCO ₃	mg/L	<1.0
Bicarbonate, as CaCO ₃	mg/L	39
TDS	mg/L	90
TDS, calculated	mg/L	77
TSS	mg/L	4
Total organic carbon	mg/L	3.8
Dissolved organic carbon	mg/L	3.8
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	0.35
Sulfate	mg/L	9.9
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	0.0083
Antimony	mg/L	<0.00050
Arsenic	mg/L	0.0105
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	0.00105
Iron	mg/L	0.089

Lead	mg/L	<0.00020
Lithium	mg/L	<0.0020
Manganese	mg/L	0.0073
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	0.0829
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	0.0054
Antimony	mg/L	<0.00050
Arsenic	mg/L	0.00963
Barium	mg/L	0.0247
Beryllium	mg/L	<0.00010
Boron	mg/L	<0.050
Cadmium	mg/L	<0.000010
Calcium (Dissolved)	mg/L	16.7
Chromium	mg/L	<0.0010
Copper	mg/L	0.00100
Iron	mg/L	0.0323
Lead	mg/L	<0.00020
Lithium	mg/L	<0.0020
Magnesium (Dissolved)	mg/L	2.16
Manganese	mg/L	0.0016
Mercury	mg/L	<0.00001
Molybdenum	mg/L	<0.0010
Nickel	mg/L	<0.0010
Potassium (Dissolved)	mg/L	1.34
Selenium	mg/L	<0.00010
Silver	mg/L	<0.000020
Sodium (Dissolved)	mg/L	5.62
Strontium	mg/L	0.0936
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		7/7/2025
Parameter	Unit	
WQ02- Conventional Parameters		
pH	pH units	7.93
Dissolved Oxygen	%	99.8
Turbidity	NTU	1.0
Conductivity	ms/cm	0.919
Hardness, as CaCO ₃	mg/L	278
Total alkalinity, as CaCO ₃	mg/L	81
Carbonate, as CaCO ₃	mg/L	< 1.0
Bicarbonate, as CaCO ₃	mg/L	80
TDS	mg/L	595
TDS, calculated	mg/L	510
TSS	mg/L	18
Total organic carbon	mg/L	13
Dissolved organic carbon	mg/L	13
WQ03- Major Ions		
Chloride	mg/L	130
Cyanide	mg/L	0.00095
Cyanide (free)	mg/L	0.00103
Cyanide (WAD)	mg/L	0.00083
Silica	mg/L	0.14
Sulfate	mg/L	170
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	0.82
Total phosphorus	mg/L	< 0.020
Orthophosphate (P)	mg/L	< 0.010
WQ06- Total Metals		
Aluminum	mg/L	0.0122
Antimony	mg/L	< 0.00050
Arsenic	mg/L	0.00397
Barium	mg/L	0.0525
Beryllium	mg/L	< 0.00010
Boron	mg/L	< 0.050
Cadmium	mg/L	< 0.000010

Calcium (total)	mg/L	86.3
Chromium	mg/L	< 0.0010
Copper	mg/L	0.00175
Iron	mg/L	0.188
Lead	mg/L	< 0.00020
Lithium	mg/L	0.0128
Magnesium (total)	mg/L	15.2
Manganese	mg/L	0.0300
Mercury	mg/L	< 0.00001
Molybdenum	mg/L	< 0.0010
Nickel	mg/L	0.0037
Potassium (total)	mg/L	6.73
Selenium	mg/L	0.00012
Silver	mg/L	< 0.000020
Sodium (total)	mg/L	46.9
Strontium	mg/L	0.704
Thallium	mg/L	0.000017
Tin	mg/L	< 0.0050
Titanium	mg/L	< 0.0050
Uranium	mg/L	0.00077
Vanadium	mg/L	< 0.0050
Zinc	mg/L	< 0.0050
WQ07- Dissolved Metals		
Aluminum	mg/L	0.0053
Antimony	mg/L	< 0.00050
Arsenic	mg/L	0.00394
Barium	mg/L	0.0559
Beryllium	mg/L	< 0.00010
Boron	mg/L	< 0.050
Cadmium	mg/L	< 0.000010
Calcium (Dissolved)	mg/L	86.6
Chromium	mg/L	< 0.0010
Copper	mg/L	0.00210
Iron	mg/L	0.197
Lead	mg/L	< 0.00020
Lithium	mg/L	0.0133
Magnesium (Dissolved)	mg/L	14.8
Manganese	mg/L	0.0627
Mercury	mg/L	< 0.00001
Molybdenum	mg/L	< 0.0010
Nickel	mg/L	0.0043
Potassium (Dissolved)	mg/L	7.33
Selenium	mg/L	0.00011

Silver	mg/L	< 0.000020
Sodium (Dissolved)	mg/L	46.4
Strontium	mg/L	0.830
Thallium	mg/L	0.000018
Tin	mg/L	< 0.0050
Titanium	mg/L	< 0.0050
Uranium	mg/L	0.00095
Vanadium	mg/L	< 0.0050
Zinc	mg/L	< 0.0050

MEL-18		7/7/2025
Parameter	Unit	
WQ02- Conventional Parameters		
pH	pH units	7.62
Turbidity	NTU	1.0
Conductivity	ms/cm	0.219
Hardness, as CaCO ₃	mg/L	77.0
Total alkalinity, as CaCO ₃	mg/L	44
Carbonate, as CaCO ₃	mg/L	<1.0
Bicarbonate, as CaCO ₃	mg/L	44
TDS	mg/L	150
TDS, calculated	mg/L	110
TSS	mg/L	2
Total organic carbon	mg/L	4.2
Dissolved organic carbon	mg/L	3.9
WQ03- Major Ions		
Chloride	mg/L	29
Cyanide	mg/L	<0.00050
Cyanide (free)	mg/L	0.00061
Cyanide (WAD)	mg/L	<0.00050
Silica	mg/L	0.39
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	0.0153

Antimony	mg/L	<0.00050
Arsenic	mg/L	0.00476
Barium	mg/L	0.0215
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	0.136
Lead	mg/L	<0.00020
Lithium	mg/L	0.0074
Manganese	mg/L	0.0123
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	0.172
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	0.00352
Barium	mg/L	0.0209
Beryllium	mg/L	<0.00010
Boron	mg/L	<0.050
Cadmium	mg/L	<0.000010
Calcium (Dissolved)	mg/L	<0.00001
Chromium	mg/L	<0.0010
Copper	mg/L	0.00082
Iron	mg/L	0.0355
Lead	mg/L	<0.00020
Lithium	mg/L	0.0070
Magnesium (Dissolved)	mg/L	2.95
Manganese	mg/L	0.0045
Mercury	mg/L	<0.00001
Molybdenum	mg/L	<0.0010
Nickel	mg/L	<0.0010

Potassium (Dissolved)	mg/L	1.41
Selenium	mg/L	<0.00010
Silver	mg/L	<0.000020
Sodium (Dissolved)	mg/L	7.78
Strontium	mg/L	0.180
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-19		7/7/2025
Parameter	Unit	
WQ02- Conventional Parameters		
pH	pH units	7.66
Turbidity	NTU	4.1
Hardness, as CaCO ₃	mg/L	216
Total alkalinity, as CaCO ₃	mg/L	44
TDS	mg/L	650
TDS, calculated	mg/L	610
TSS	mg/L	7
WQ03- Major Ions		
Chloride	mg/L	220
Cyanide	mg/L	0.00064
Fluoride	mg/L	<0.10
Silica	mg/L	0.10
Sulfate	mg/L	150
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	mg/L	0.25
Nitrate (as N)	mg/L	3.19
Nitrite (as N)	mg/L	0.032
Total phosphorus	mg/L	<0.020
Orthophosphate (P)	mg/L	<0.010
WQ06- Total Metals		
Aluminum	mg/L	0.0865
Arsenic	mg/L	0.00888
Barium	mg/L	0.0192
Cadmium	mg/L	0.000027
Chromium	mg/L	<0.0010
Copper	mg/L	0.00184
Iron	mg/L	0.153

Lead	mg/L	0.00050
Manganese	mg/L	0.0951
Mercury	mg/L	<0.00001
Molybdenum	mg/L	0.0014
Nickel	mg/L	0.0142
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	52.9
Magnesium (Dissolved)	mg/L	17.3
Potassium (Dissolved)	mg/L	8.32
Sodium (Dissolved)	mg/L	111

MEL-20		7/21/2025
Parameter	Unit	
WQ02- Conventional Parameters		
pH	pH units	7.98
Dissolved Oxygen	%	95.6
Turbidity	NTU	4.3
Conductivity	ms/cm	7.45
Hardness, as CaCO ₃	mg/L	1370
Hardness, as CaCO ₃ -Dissolved	mg/L	1300
Total alkalinity, as CaCO ₃	mg/L	140
TDS	mg/L	4900
TDS, calculated	mg/L	4500
TSS	mg/L	10
Total organic carbon	mg/L	13
WQ03- Major Ions		
Chloride	mg/L	1900
Cyanide	mg/L	0.00425
Cyanide (free)	mg/L	0.00281
Cyanide (WAD)	mg/L	0.0034
Fluoride	mg/L	0.13
Silica	mg/L	3.3
Sulfate	mg/L	790
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	mg/L	17
Nitrate (as N)	mg/L	60.4

Nitrite (as N)	mg/L	0.585
Nitrate + nitrite (as N)	mg/L	61.0
Total phosphorus	mg/L	< 0.020
Orthophosphate (P)	mg/L	0.019
WQ06- Total Metals		
Aluminum	mg/L	0.102
Arsenic	mg/L	0.121
Barium	mg/L	0.0748
Cadmium	mg/L	0.000261
Calcium (total)	mg/L	302
Chromium	mg/L	< 0.0050
Copper	mg/L	0.0085
Iron	mg/L	0.429
Lead	mg/L	0.0045
Magnesium (total)	mg/L	149
Manganese	mg/L	0.988
Mercury	mg/L	< 0.00001
Molybdenum	mg/L	0.0092
Nickel	mg/L	0.0622
Potassium (total)	mg/L	55.9
Selenium	mg/L	0.00462
Silver	mg/L	< 0.00010
Sodium (total)	mg/L	926
Thallium	mg/L	< 0.000050
Titanium	mg/L	< 0.025
Zinc	mg/L	< 0.025
WQ07- Dissolved Metals		
Aluminum	mg/L	0.017
Arsenic	mg/L	0.0922
Barium	mg/L	0.0748
Cadmium	mg/L	0.000314
Calcium (Dissolved)	mg/L	275
Chromium	mg/L	< 0.0050
Copper	mg/L	0.0076
Iron	mg/L	0.044
Lead	mg/L	< 0.0010
Magnesium (Dissolved)	mg/L	148
Manganese	mg/L	0.924
Mercury	mg/L	< 0.00001
Molybdenum	mg/L	0.0085
Nickel	mg/L	0.0622
Potassium (Dissolved)	mg/L	57.4
Selenium	mg/L	0.00453
Silver	mg/L	< 0.00010

Sodium (Dissolved)	mg/L	985
Thallium	mg/L	< 0.000050
Zinc	mg/L	< 0.025

MEL-21		7/7/2025
Parameter	Unit	
WQ02- Conventional Parameters		
pH	pH units	7.89
Turbidity	NTU	23
Hardness, as CaCO ₃	mg/L	-
Total alkalinity, as CaCO ₃	mg/L	89
TDS	mg/L	430
TDS, calculated	mg/L	390
TSS	mg/L	32
WQ03- Major Ions		
Chloride	mg/L	110
Cyanide	mg/L	0.00573
Fluoride	mg/L	<0.010
Silica	mg/L	2.6
Sulfate	mg/L	87
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	mg/L	1.9
Nitrate (as N)	mg/L	2.67
Nitrite (as N)	mg/L	0.177
Total phosphorus	mg/L	0.042
Orthophosphate (P)	mg/L	<0.010
WQ06- Total Metals		
Aluminum	mg/L	0.664
Arsenic	mg/L	0.0505
Barium	mg/L	0.0330
Cadmium	mg/L	0.000012
Chromium	mg/L	0.0022
Copper	mg/L	0.00383
Iron	mg/L	1.46
Lead	mg/L	0.00437
Manganese	mg/L	0.0759
Mercury	mg/L	-
Molybdenum	mg/L	0.0051
Nickel	mg/L	0.0096
Selenium	mg/L	0.00040
Silver	mg/L	<0.000020
Thallium	mg/L	0.000015

Zinc	mg/L	<0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	mg/L	47.9
Magnesium (Dissolved)	mg/L	10.2
Potassium (Dissolved)	mg/L	7.17
Sodium (Dissolved)	mg/L	60.2

MEL-22		7/7/2025
Parameter	Unit	
WQ02- Conventional Parameters		
pH	pH units	7.91
Turbidity	NTU	0.7
Hardness, as CaCO ₃	mg/L	532
Total alkalinity, as CaCO ₃	mg/L	92
TDS	mg/L	2050
TDS, calculated	mg/L	518
TSS	mg/L	4
WQ03- Major Ions		
Chloride	mg/L	870
Cyanide	mg/L	0.00544
Fluoride	mg/L	0.10
Silica	mg/L	1.6
Sulfate	mg/L	270
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	mg/L	6.1
Nitrate (as N)	mg/L	13.4
Nitrite (as N)	mg/L	0.463
Total phosphorus	mg/L	<0.020
Orthophosphate (P)	mg/L	<0.010
WQ06- Total Metals		
Aluminum	mg/L	0.0267
Arsenic	mg/L	0.0145
Barium	mg/L	0.0455
Cadmium	mg/L	0.000021
Chromium	mg/L	<0.0020
Copper	mg/L	0.0020
Iron	mg/L	0.082
Lead	mg/L	<0.00040
Manganese	mg/L	0.0691
Mercury	mg/L	<0.00001
Molybdenum	mg/L	0.0080

Nickel	mg/L	0.0162
Selenium	mg/L	0.00114
Silver	mg/L	<0.000040
Thallium	mg/L	0.000038
Zinc	mg/L	<0.010
WQ07- Dissolved Metals		
Calcium (Dissolved)	mg/L	120
Magnesium (Dissolved)	mg/L	53.3
Potassium (Dissolved)	mg/L	34.9
Sodium (Dissolved)	mg/L	429

MEL-23		7/7/2025
Parameter	Unit	
WQ02- Conventional Parameters		
pH	pH units	7.84
Turbidity	NTU	1.8
Hardness, as CaCO ₃	mg/L	216
Total alkalinity, as CaCO ₃	mg/L	110
TDS	mg/L	3280
TDS, calculated	mg/L	3100
TSS	mg/L	5
WQ03- Major Ions		
Chloride	mg/L	1200
Cyanide	mg/L	0.00143
Fluoride	mg/L	0.19
Silica	mg/L	3.6
Sulfate	mg/L	770
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	mg/L	4.4
Nitrate (as N)	mg/L	16.5
Nitrite (as N)	mg/L	0.295
Total phosphorus	mg/L	<0.020
Orthophosphate (P)	mg/L	<0.010
WQ06- Total Metals		
Aluminum	mg/L	0.0972
Arsenic	mg/L	0.0148
Barium	mg/L	0.0392
Cadmium	mg/L	0.000166
Chromium	mg/L	<0.0020
Copper	mg/L	0.0029
Iron	mg/L	0.137

Lead	mg/L	0.00043
Manganese	mg/L	0.406
Mercury	mg/L	<0.00001
Molybdenum	mg/L	0.0089
Nickel	mg/L	0.101
Selenium	mg/L	0.00209
Silver	mg/L	<0.000040
Thallium	mg/L	0.000038
Zinc	mg/L	<0.010
WQ07- Dissolved Metals		
Calcium (Dissolved)	mg/L	194
Magnesium (Dissolved)	mg/L	121
Potassium (Dissolved)	mg/L	49.0
Sodium (Dissolved)	mg/L	625

MEL-23		7/7/2025
Parameter	Unit	
WQ02- Conventional Parameters		
pH	pH units	7.99
Turbidity	NTU	19
Hardness, as CaCO ₃	mg/L	
Total alkalinity, as CaCO ₃	mg/L	93
TDS	mg/L	350
TDS, calculated	mg/L	330
TSS	mg/L	17
WQ03- Major Ions		
Chloride	mg/L	81
Cyanide	mg/L	0.00277
Fluoride	mg/L	<0.10
Silica	mg/L	2.5
Sulfate	mg/L	76
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	mg/L	2.0
Nitrate (as N)	mg/L	1.98
Nitrite (as N)	mg/L	0.109
Total phosphorus	mg/L	0.021
Orthophosphate (P)	mg/L	<0.010
WQ06- Total Metals		
Aluminum	mg/L	0.478
Arsenic	mg/L	0.0106
Barium	mg/L	0.0291

Cadmium	mg/L	<0.000010
Chromium	mg/L	0.0019
Copper	mg/L	0.00258
Iron	mg/L	0.926
Lead	mg/L	0.00061
Manganese	mg/L	0.0562
Mercury	mg/L	
Molybdenum	mg/L	0.0048
Nickel	mg/L	0.0061
Selenium	mg/L	0.00030
Silver	mg/L	<0.000020
Thallium	mg/L	<0.000010
Zinc	mg/L	<0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	mg/L	43.2
Magnesium (Dissolved)	mg/L	8.61
Potassium (Dissolved)	mg/L	6.24
Sodium (Dissolved)	mg/L	46.5

MEL-SR1		7/28/2025
Parameter	Unit	
WQ02- Conventional Parameters		
pH	pH units	8.24
Turbidity	NTU	1.0
Hardness, as CaCO ₃	mg/L	329
Total alkalinity, as CaCO ₃	mg/L	180
TDS, calculated	mg/L	560
TSS	mg/L	1
WQ03- Major Ions		
Chloride	mg/L	130
Cyanide	mg/L	<0.00050
Fluoride	mg/L	0.11
Silica	mg/L	3.6
Sulfate	mg/L	130
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	0.0355
Arsenic	mg/L	0.00288
Barium	mg/L	0.0451
Cadmium	mg/L	<0.000010
Chromium	mg/L	<0.0010
Copper	mg/L	0.00338
Iron	mg/L	0.149
Lead	mg/L	<0.00020
Manganese	mg/L	0.0137
Mercury	mg/L	<0.00001
Molybdenum	mg/L	0.0012
Nickel	mg/L	0.0071
Selenium	mg/L	<0.00010
Silver	mg/L	<0.000020
Thallium	mg/L	<0.000010
Zinc	mg/L	0.0058
WQ07- Dissolved Metals		
Calcium (Dissolved)	mg/L	109
Magnesium (Dissolved)	mg/L	17.8
Potassium (Dissolved)	mg/L	9.43
Sodium (Dissolved)	mg/L	61.5