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

Prepared for:
Nunavut Water Board

Prepared by:
Agnico Eagle Mines Limited – Meliadine Division

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SECTION 1 • BACKGROUND

As required under Part I, Item 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 August 2025.

SECTION 2 • WATER MANAGEMENT

2.1 WATER USAGE

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

Table 2.1: Summary of the monthly water usage in 2025

Usage	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2025 Total
MEL-11[1]	m^3	40,096	44,128	50,163	46,201	53,972	33,147	54,531	52,989	-	-	-	-	375,227
Dust suppression[2]	m^3	0	0	0	0	0	0	0	0	-	-	-	-	0
Dust suppression[3]	m^3	0	0	0	0	174	665	1,286	945	-	-	-	-	3,069

2.2 DEWATERING ACTIVITIES

Three ponds (3) ponds (A8, A37, A35) 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	314,572	-	-	-	-	1,043,850
MEL-26	m^3	0	0	0	0	0	0	0	0	-	-	-	-	0
MEL-25	m^3	0	0	0	0	0	0	0	1,500	-	-	-	-	1,500

2.4 SEEPAGE AND RUNOFF FROM THE LANDFILL AND LANDFARM

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

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

2.5 SEWAGE TREATMENT PLANT

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

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

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	2025 Total
Wastewater Discharge (m^3)		4,973	4,474	4,930.4	4,876.5	5015.9	4,823	4,989	5,226	-	-	-	-	39,305
Sewage Sludge	Amount (m^3)	12	10	12.40	11.20	9.4	10.5	10.1	10.90	-	-	-	-	86.45
	Disposal Location	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	-	-	-	-	-

2.6 MONITORING ANALYTICAL DATA

Twenty-four (24) 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	9.50	-	-	-	-	162.01

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

3.2 ORE, WASTE ROCK STORAGE FACILITY, TAILINGS

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

Table 3.2: Summary of the monthly material management in 2025

Material (tonnes)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Cumulative 2025
Processed Ore		158,386	189,690	209,731	196,665	226,886	121,619	236,015	203,612	-	-	-	-	1,542,604
Waste Rock	Removed from open pit mining	382,704	369,748	457,569	528,808	610,631	242,664	460,794	390,587	-	-	-		3,443,505
	Removed from underground mining	99,563	87,430	89,629	80,238	50,097	65,115	62,408	59,047	-	-	-		593,528
	Used as underground dry rockfill	44,117	47,159	56,034	47,094	50,097	48,215	53,501	44,927	-	-	-		391,144
Tailings	Send to TSF	128,762	161,625	176,249	169,507	192,605	106,322	214,306	177,294	-	-	-		1,326,670
	Used as paste underground backfill	29,624	28,065	33,482	27,158	34,281	15,297	21,709	26,318	-	-	-		215,934

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	Contaminant	Estimated quantity	Exact location of incident	Description of incident	Describe immediate corrective actions
Saturday, August 02, 2025 3:30:00 AM and 7:00:00 PM	Diluted slurry	2 X 25 L	South door grinding	Water used in the cyclone for primary grinding at the Process Plant started accumulating in the Plant and eventually made its way outside through the garage door and the man door on the south side of the Plant. This resulted in two release events of approximately 25 L of slurry onto the industrial pad.	Upon realizing that process water was overflowing from the cyclone, the operator shut the cyclone and notified his supervisor. Process Plant personnel then started cleaning inside and outside the Process Plant. The slurry that made its way outside was hand shoveled and brought back inside the Process Plant to be reintroduced into the recirculation system. Environment department personnel were then notified of the first spill and started the investigation process. Later that day, Process Plant personnel notified the Environment department of a similar spill, which was remediated in the same way.
Saturday, August 02, 2025 6:30:00 AM	Diesel	5 L	3 Million Fuel Farm	While refueling the telehandler, the small nozzle failed to shut off automatically, causing the tank to overflow.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin.
Sunday, August 03, 2025 6:30:00 AM	Hydraulic Oil	5 L	MSB parking lot	An oil leak was identified on a pickup truck at the start of the shift.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin.

Sunday, August 03, 2025 4:00:00 PM	Diesel Fuel	60 L	TIRI01	While preparing to refuel an excavator, the fuel truck operator activated the PTO to engage the pump. This caused a leak at the butterfly valve on the fill line, attributed to a deteriorated o-ring that failed under pressure.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin.
Sunday, August 10, 2025 10:30:00 AM	Hydraulic Oil	5 L	North of Process Plant laydown	A 5L hydraulic oil spill was found beneath pallets in the Process Plant north yard following Sunday's cleanup.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of in the Process Plant.
Thursday, August 14, 2025 3:30:00 PM	Hydraulic oil	20 L	KM 6 Inukshuk Quarry	While operating an excavator, the worker observed an oil leak from underneath the equipment, resulting in a 20L spill on the ground.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of in a hazmat bin
Friday, August 15, 2025 8:00:00 AM	Motor oil	2 L	Km 4 - Bypass Rd.	A minor oil leak was identified during inspection of excavator.	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, August 18, 2025 2:00:00 AM	Hydraulic Oil	75 L	Meliadine - Tiri 01 - Ramp - 10020 Level	A haul truck struck a rock that had fallen from another truck's box onto the roadway, damaging its hydraulic system and causing a spill.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at the Landfarm.
Monday, August 18, 2025 1:00:00 PM	Diesel fuel	60 L	3 Million Fuel Farm	During refueling, an underground G Scoop overfilled its tank, resulting in a 60L fuel spill..	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at the Landfarm.
Monday, August 18, 2025 2:30:00 PM	hydraulic oil	2 L	Welding Shop	While operating a manlift, the employee observed hydraulic oil leaking from the manifold.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped

					and disposed of at the Landfarm.
Monday, August 18, 2025 3:30:00 PM	Coolant	4 L	TIRI01	While preparing a pad for the production excavator, the operator of a excavator noticed coolant pooled beneath the machine. Upon inspection, coolant was found slowly dripping from the rear, caused by a worn hose on the DPF system.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of accordingly.
Wednesday, August 20, 2025 8:00:00 AM	Hydraulic Oil	80 L	TIRI01	While being loaded by a excavator, a haul truck was observed leaking oil. The excavator operator contacted the truck operator to dump the load for safe access, but the box failed to lift. The excavator operator then emptied the truck box to secure the equipment for inspection.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of in the Process Plant.
Wednesday, August 20, 2025 2:30:00 PM	Sea Bed Sediment	Unknown	Melvin Bay	During the horizontal directional drilling (HDD) at Itivia Harbour a sediment plume was observed in Melvin Bay. As the drill penetrated the seabed, it exited the bedrock into an area of seabed debris. The compressed air used to stabilize the borehole escaped into the surrounding water, disturbing the fine sediments on the seabed. The release of energy caused particulates to become suspended in the water column, creating a plume that spread outward from the drilling site.	When the subcontractor ForAction discovered the sediment release during the HDD operation, the drilling was immediately stopped. Upon the Qualified Environmental Professional (QEP) and the Environment Department guidance, the operation was shut down until sediment control measures could be installed at the work site. Representatives of CIRNAC and DFO were reached by telephone and notified of the spill. Turbidity curtains were installed around the source of the sediment release and along the planned path of the underwater HDD. With the turbidity curtains in place, ForAction resumed drilling. During

					subsequent HDD operation, the QEP took turbidity measurements inside and outside the turbidity curtain to confirm the success of the mitigation measures. The HDD operation was shut down on August 26. A heavier turbidity curtain was purchased and installed on August 30. The drill crew was mobilized back to the site and drilling resumed on September 2. Drilling was completed on September 3 without incident.
Friday, August 22, 2025 4:00:00 PM	Hydraulic Oil	10.00	Paste Plan Pad	While grading the Past Plan pad, the operator struck a rock, resulting in a broken hose fitting.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at the Landfarm.
Saturday, August 23, 2025 3:00:00 PM	Hydraulic oil	50.00	Rankin Inlet Bypass Road KM3	While positioning the HDPE water line for backfill near AWAR, the excavator experienced a hydraulic hose failure in the track head.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin. Contaminated material was scrapped and disposed of at the Landfarm.

Appendix – Monitoring Analytical Data

MEL-D-1		8/3/2025	8/8/2025	8/10/2025	8/17/2025	8/19/2025
Parameter	**Unit**					
WQ02- Conventional Parameters						
pH	**pH units**	8.02	7.95	7.96	7.97	7.93
TSS	**mg/L**	1	3	2	3	3

MEL-11		8/3/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.49
Dissolved Oxygen	**%**	84.1
Turbidity	**NTU**	0.4
Conductivity	**ms/cm**	0.130
Hardness, as CaCO3	**mg/L**	37.1
Total alkalinity, as CaCO3	**mg/L**	22
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	22
TDS	**mg/L**	90
TDS, calculated	**mg/L**	63
TSS	**mg/L**	1
Total organic carbon	**mg/L**	3.7
Dissolved organic carbon	**mg/L**	3.8
WQ03- Major Ions		
Chloride	**mg/L**	17
Cyanide	**mg/L**	< 0.00050
Cyanide (free)	**mg/L**	0.00064
Cyanide (WAD)	**mg/L**	< 0.00050
Silica	**mg/L**	0.51
Sulfate	**mg/L**	12
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**	0.12
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0058
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00090
Barium	**mg/L**	0.0110

Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00100
Iron	**mg/L**	0.027
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Manganese	**mg/L**	0.0096
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**	0.0575
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	< 0.00010
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Aluminum	**mg/L**	< 0.0030
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00079
Barium	**mg/L**	0.0107
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	10.8
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00092
Iron	**mg/L**	0.0089
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Magnesium (Dissolved)	**mg/L**	1.91
Manganese	**mg/L**	< 0.0010
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Potassium (Dissolved)	**mg/L**	1.10
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020

Sodium (Dissolved)	**mg/L**	7.84
Strontium	**mg/L**	0.0600
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		8/4/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.98
Dissolved Oxygen	**%**	77.7
Turbidity	**NTU**	1.8
Conductivity	**ms/cm**	2.00
Hardness, as CaCO3	**mg/L**	410
Total alkalinity, as CaCO3	**mg/L**	80
TDS	**mg/L**	1220
TDS, calculated	**mg/L**	1100
TSS	**mg/L**	3
Total organic carbon	**mg/L**	6.9
WQ03- Major Ions		
Chloride	**mg/L**	420
Cyanide	**mg/L**	0.00166
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	0.72
Sulfate	**mg/L**	230
WQ04- Nutrients and Chlorophyll a		

Ammonia Nitrogen (as N)	**mg/L**	0.53
Nitrate (as N)	**mg/L**	9.15
Nitrite (as N)	**mg/L**	0.209
Total phosphorus	**mg/L**	0.027
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0910
Arsenic	**mg/L**	0.0217
Barium	**mg/L**	0.0424
Cadmium	**mg/L**	0.000024
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00283
Iron	**mg/L**	0.120
Lead	**mg/L**	0.00033
Manganese	**mg/L**	0.0696
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0060
Nickel	**mg/L**	0.0067
Selenium	**mg/L**	0.00092
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	0.000023
Titanium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	101
Magnesium (Dissolved)	**mg/L**	33.4
Potassium (Dissolved)	**mg/L**	18.0
Sodium (Dissolved)	**mg/L**	210

MEL-14						8/4/2025	8/11/2025	8/18/2025	8/25/2025
Parameter	MDMER MAX GRAB	MDMER MAX MONTHLY MEAN	2AM-MEL1631 MEL-14 MAX GRAB	2AM-MEL1631 MEL-14 MAX MEAN	Unit	-	-	-	-
WQ02- Conventional Parameters									
pH	9.5	9.5	9.5	9.5	**pH units**	7.82	7.69	7.84	7.63
Dissolved Oxygen					**mg/L**	10.9	9.78	9.66	9.62
Turbidity					**NTU**	1.0	0.7	1.5	0.6
Conductivity					**ms/cm**	1.96	1.43	1.66	1.70
Hardness, as CaCO3					**mg/L**	412	345	335	349 346
Total alkalinity, as CaCO3					**mg/L**	74	69	69	67
Carbonate, as CaCO3					**mg/L**	< 1.0	< 1.0	< 1.0	< 1.0
Bicarbonate, as CaCO3					**mg/L**	74	68	68	66
TDS			4500	3500	**mg/L**	1250	915	955	1050
TDS, calculated			4500	3500	**mg/L**	1100	780	930	950 950
TSS	30	15	30	15	**mg/L**	4	5	8	4
Total organic carbon					**mg/L**	6.3	6.2	7.5	7.1
Dissolved organic carbon					**mg/L**	6.3	5.5	6.4	6.4
WQ03- Major Ions									
Chloride					**mg/L**	430	290	360	370
Cyanide	1	0.5	1	0.5	**mg/L**	0.00202	0.00087	0.00109	0.00107
Cyanide (free)					**mg/L**	0.00235	0.00098	0.00099	0.00111
Cyanide (WAD)					**mg/L**	0.0017	0.00094	0.0011	0.00072
Silica					**mg/L**	0.65	0.25	0.26	0.30
Sulfate					**mg/L**	230	150	190	200
WQ04- Nutrients and Chlorophyll a									

Ammonia Nitrogen (as N)			18	14	**mg/L**	0.48	< 0.050	0.11	0.14
Un-Ionized Ammonia, calculated	1	0.5			**mg/L**	0.0040	< 0.0004	0.0049	< 0.0004 0.0016
Nitrate (as N)					**mg/L**	8.67	4.85	5.95	5.70
Nitrite (as N)					**mg/L**	0.212	0.056	0.078	0.102
Nitrate + nitrite (as N)					**mg/L**	8.88	4.90	6.03	5.80
Total Kjeldahl nitrogen					**mg/L**	0.55	0.40	0.34	0.58
Total phosphorus			4	2	**mg/L**	0.026	< 0.020	0.037	0.031
Orthophosphate (P)					**mg/L**	< 0.010	< 0.010	< 0.010	< 0.010
WQ06- Total Metals									
Aluminum			3	2	**mg/L**	0.611	0.812	1.26	0.216 1.04
Antimony					**mg/L**	0.00154	0.00111	0.00128	0.00132 0.00118
Arsenic	0.6	0.3	0.6	0.3	**mg/L**	0.0104	0.00909	0.0135	0.00696 0.0108
Barium					**mg/L**	0.0395	0.0356	0.0369	0.0357 0.0349
Beryllium					**mg/L**	< 0.00010	< 0.00010	< 0.00010	< 0.00010 < 0.00010
Boron					**mg/L**	0.173	0.156	0.180	0.149 0.140
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**	0.00128	0.00067	0.00070	0.00066 0.00059
Copper	0.6	0.3	0.4	0.2	**mg/L**	0.00237	0.00179	0.00223	0.00225 0.00212
Iron					**mg/L**	0.027	0.022	0.035	< 0.010 0.025

Lead	0.2	0.1	0.2	0.1	**mg/L**	< 0.00020	< 0.00020	< 0.00020	< 0.00020 < 0.00020
Lithium					**mg/L**	0.0178	0.0179	0.0176	0.0193 0.0162
Manganese					**mg/L**	0.0288	0.0215	0.0193	0.0198 0.0190
Mercury					**mg/L**	< 0.00001	< 0.00001	< 0.00001	< 0.00001
Molybdenum					**mg/L**	0.0060	0.0039	0.0045	0.0044 0.0042
Nickel	1	0.5	1	0.5	**mg/L**	0.0059	0.0040	0.0037	0.0038 0.0037
Selenium					**mg/L**	0.00085	0.00056	0.00052	0.00053 0.00056
Silver					**mg/L**	< 0.000020	< 0.000020	< 0.000020	< 0.000020 < 0.000020
Strontium					**mg/L**	1.09	0.944	0.964	0.969 0.869
Thallium					**mg/L**	0.000019	0.000014	0.000014	0.000015 0.000015
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**	0.00259	0.00165	0.00223	0.00184 0.00200
Vanadium					**mg/L**	< 0.0050	< 0.0050	< 0.0050	< 0.0050 < 0.0050
Zinc	1	0.5	0.8	0.4	**mg/L**	< 0.0050	< 0.0050	< 0.0050	< 0.0050 0.0125
WQ07- Dissolved Metals									
Aluminum			3	2	**mg/L**	0.247	0.149	0.408	0.931 0.270

Antimony					**mg/L**	0.00172	0.00106	0.00124	0.00121 0.00121
Arsenic	0.6	0.3	0.6	0.3	**mg/L**	0.00689	0.00506	0.00772	0.0109 0.00715
Barium					**mg/L**	0.0402	0.0344	0.0355	0.0371 0.0382
Beryllium					**mg/L**	< 0.00010	< 0.00010	< 0.00010	< 0.00010 < 0.00010
Boron					**mg/L**	0.188	0.134	0.156	0.164 0.136
Cadmium					**mg/L**	0.000014	< 0.000010	< 0.000010	< 0.000010 < 0.000010
Calcium (Dissolved)					**mg/L**	107	82.6	86.4	94.0 93.9
Chromium					**mg/L**	< 0.0010	< 0.0010	< 0.0010	< 0.0010 < 0.0010
Cobalt					**mg/L**	0.00126	0.00061	0.00073	0.00071 0.00062
Copper	0.6	0.3	0.4	0.2	**mg/L**	0.00234	0.00133	0.00202	0.00239 0.00224
Iron					**mg/L**	< 0.0050	< 0.0050	< 0.0050	0.0203 < 0.0050
Lead	0.2	0.1	0.2	0.1	**mg/L**	< 0.00020	< 0.00020	< 0.00020	< 0.00020 < 0.00020
Lithium					**mg/L**	0.0192	0.0152	0.0171	0.0193 0.0172
Magnesium (Dissolved)					**mg/L**	32.2	23.1	27.8	30.3 32.8
Manganese					**mg/L**	0.0171	0.0154	0.0155	0.0232 0.0176
Mercury					**mg/L**	< 0.00001	< 0.00001	< 0.00001	< 0.00001

Molybdenum					**mg/L**	0.0059	0.0039	0.0046	0.0040 0.0045
Nickel	1	0.5	1	0.5	**mg/L**	0.0057	0.0036	0.0037	0.0042 0.0036
Potassium (Dissolved)					**mg/L**	19.0	12.4	14.8	16.2 17.4
Selenium					**mg/L**	0.00091	0.00050	0.00056	0.00057 0.00057
Silver					**mg/L**	< 0.000020	< 0.000020	< 0.000020	< 0.000020 < 0.000020
Sodium (Dissolved)					**mg/L**	201	132	155	178 156
Strontium					**mg/L**	1.17	0.819	0.944	1.02 0.961
Thallium					**mg/L**	0.000019	< 0.000010	0.000013	0.000014 0.000015
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**	0.00241	0.00134	0.00178	0.00226 0.00186
Vanadium					**mg/L**	< 0.0050	< 0.0050	< 0.0050	< 0.0050 < 0.0050
Zinc	1	0.5	0.8	0.4	**mg/L**	< 0.0050	< 0.0050	< 0.0050	< 0.0050 < 0.0050
WQ08- Radionuclides									
Radium-226	1.11	0.37			**Bq/l**	< 0.0050	< 0.0050	0.0060	< 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%	-	-	-
Lemna Minor Biomasse - IC25					%	-	-	-	-
Lemna Minor Frond Increase - IC25					%	-	-	-	-
WQ10- Volatile Organics									
Benzene					mg/L	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Ethylbenzene					mg/L	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Toluene					mg/L	< 0.00020	< 0.00020	< 0.00020	< 0.00020
Xylenes					mg/L	< 0.00040	< 0.00040	< 0.00040	< 0.00040
m,p-Xylenes					mg/L	< 0.00040	< 0.00040	< 0.00040	< 0.00040
o-Xylene					mg/L	< 0.00020	< 0.00020	< 0.00020	< 0.00020
F1 (C6-C10)-BTEX					mg/L	< 0.025	< 0.025	< 0.025	< 0.025
F1 (C6-C10)					mg/L	< 0.025	< 0.025	< 0.025	< 0.025
F2 (C10-C16)					mg/L	< 0.09	< 0.09	< 0.09	< 0.09
F3 (C16-C34)					mg/L	< 0.2	< 0.2	< 0.2	< 0.2
F4 (C34-C50)					mg/L	< 0.2	< 0.2	< 0.2	< 0.2

MEL-15		8/5/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.88
Dissolved Oxygen	**%**	65.1
Turbidity	**NTU**	0.4
Conductivity	**ms/cm**	0.179
Hardness, as CaCO3	**mg/L**	66.3
Total alkalinity, as CaCO3	**mg/L**	61
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	60
TDS	**mg/L**	90
TDS, calculated	**mg/L**	97
TSS	**mg/L**	6
Total organic carbon	**mg/L**	5.2
Dissolved organic carbon	**mg/L**	4.7
WQ03- Major Ions		
Chloride	**mg/L**	14
Cyanide	**mg/L**	0.00091
Cyanide (free)	**mg/L**	0.00118
Cyanide (WAD)	**mg/L**	0.0011
Silica	**mg/L**	0.65
Sulfate	**mg/L**	14
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	< 0.050
Nitrate (as N)	**mg/L**	< 0.10
Nitrite (as N)	**mg/L**	< 0.010
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**	< 0.0030
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00241
Barium	**mg/L**	0.0162
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00051
Iron	**mg/L**	0.052
Lead	**mg/L**	< 0.00020

Lithium	**mg/L**	< 0.0020
Manganese	**mg/L**	0.0099
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**	0.112
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**	0.00229
Barium	**mg/L**	0.0163
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	22.4
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00066
Iron	**mg/L**	0.0284
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Magnesium (Dissolved)	**mg/L**	2.59
Manganese	**mg/L**	0.0025
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Potassium (Dissolved)	**mg/L**	1.29
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	6.39
Strontium	**mg/L**	0.116
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		8/5/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.75
Dissolved Oxygen	**%**	81.9
Turbidity	**NTU**	0.3
Conductivity	**ms/cm**	0.175
Hardness, as CaCO3	**mg/L**	60.4
Total alkalinity, as CaCO3	**mg/L**	53
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	53
TDS	**mg/L**	100
TDS, calculated	**mg/L**	92
TSS	**mg/L**	1
Total organic carbon	**mg/L**	4.6
Dissolved organic carbon	**mg/L**	4.1
WQ03- Major Ions		
Chloride	**mg/L**	19
Cyanide	**mg/L**	0.00107
Cyanide (free)	**mg/L**	0.00129
Cyanide (WAD)	**mg/L**	0.00085
Silica	**mg/L**	0.35
Sulfate	**mg/L**	11
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.062
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**	0.0042
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00979
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**	0.00082
Iron	**mg/L**	0.046
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Manganese	**mg/L**	0.0058
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**	0.0998
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**	0.0047
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00911
Barium	**mg/L**	0.0263
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	19.9
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00108
Iron	**mg/L**	0.0203
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Magnesium (Dissolved)	**mg/L**	2.71
Manganese	**mg/L**	0.0014
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Potassium (Dissolved)	**mg/L**	1.54
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	6.66
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

MEL-17		8/5/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	8.03
Dissolved Oxygen	**%**	89
Turbidity	**NTU**	0.5
Conductivity	**ms/cm**	0.508
Hardness, as CaCO3	**mg/L**	168
Total alkalinity, as CaCO3	**mg/L**	71
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	70
TDS	**mg/L**	315
TDS, calculated	**mg/L**	280
TSS	**mg/L**	1
Total organic carbon	**mg/L**	11
Dissolved organic carbon	**mg/L**	10
WQ03- Major Ions		
Chloride	**mg/L**	62
Cyanide	**mg/L**	0.00124
Cyanide (free)	**mg/L**	0.00131
Cyanide (WAD)	**mg/L**	0.00097
Silica	**mg/L**	1.6
Sulfate	**mg/L**	81
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**	0.56
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0045
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00153
Barium	**mg/L**	0.0453
Beryllium	**mg/L**	< 0.00010

Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00127
Iron	**mg/L**	0.113
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0052
Manganese	**mg/L**	0.0245
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	0.0018
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Strontium	**mg/L**	0.355
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
WQ07- Dissolved Metals		
Aluminum	**mg/L**	< 0.0030
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00148
Barium	**mg/L**	0.0478
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	57.0
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00146
Iron	**mg/L**	0.0793
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0059
Magnesium (Dissolved)	**mg/L**	8.37
Manganese	**mg/L**	0.0204
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	0.0018
Potassium (Dissolved)	**mg/L**	3.30
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	23.0

Strontium	**mg/L**	0.395
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	0.00020
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050

MEL-18		8/5/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.78
Dissolved Oxygen	**%**	74.7
Turbidity	**NTU**	0.4
Conductivity	**ms/cm**	0.240
Hardness, as CaCO3	**mg/L**	85.3
Total alkalinity, as CaCO3	**mg/L**	58
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	58
TDS	**mg/L**	155
TDS, calculated	**mg/L**	130
TSS	**mg/L**	2
Total organic carbon	**mg/L**	4.4
Dissolved organic carbon	**mg/L**	4.2
WQ03- Major Ions		
Chloride	**mg/L**	30
Cyanide	**mg/L**	0.00102
Cyanide (free)	**mg/L**	0.00122
Cyanide (WAD)	**mg/L**	0.00078
Silica	**mg/L**	0.36
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**	0.30
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0035
Antimony	**mg/L**	< 0.00050

Arsenic	**mg/L**	0.00368
Barium	**mg/L**	0.0212
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00065
Iron	**mg/L**	0.046
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0081
Manganese	**mg/L**	0.0085
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Strontium	**mg/L**	0.186
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**	0.00337
Barium	**mg/L**	0.0221
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	27.9
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00071
Iron	**mg/L**	0.0130
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0086
Magnesium (Dissolved)	**mg/L**	3.97
Manganese	**mg/L**	0.0010
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Potassium (Dissolved)	**mg/L**	1.68

Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	8.86
Strontium	**mg/L**	0.200
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		8/3/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	8.04
Dissolved Oxygen	**%**	101.1
Turbidity	**NTU**	1.5
Hardness, as CaCO3	**mg/L**	365
Total alkalinity, as CaCO3	**mg/L**	76
TDS	**mg/L**	1160
TDS, calculated	**mg/L**	1100
TSS	**mg/L**	3
WQ03- Major Ions		
Chloride	**mg/L**	380
Cyanide	**mg/L**	0.00125
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	1.2
Sulfate	**mg/L**	270
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.17
Nitrate (as N)	**mg/L**	6.60
Nitrite (as N)	**mg/L**	0.043
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0532
Arsenic	**mg/L**	0.0107
Barium	**mg/L**	0.0323
Cadmium	**mg/L**	0.000038
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00313

Iron	**mg/L**	0.078
Lead	**mg/L**	0.00020
Manganese	**mg/L**	0.0745
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0030
Nickel	**mg/L**	0.0222
Selenium	**mg/L**	0.00081
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	0.000012
Titanium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	109
Magnesium (Dissolved)	**mg/L**	36.1
Potassium (Dissolved)	**mg/L**	16.5
Sodium (Dissolved)	**mg/L**	221

MEL-20		8/4/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.94
Dissolved Oxygen	**%**	39.1
Turbidity	**NTU**	4.7
Conductivity	**ms/cm**	3.00
Hardness, as CaCO3	**mg/L**	984
Total alkalinity, as CaCO3	**mg/L**	140
TDS	**mg/L**	1940
TDS, calculated	**mg/L**	1900
TSS	**mg/L**	15
Total organic carbon	**mg/L**	12
WQ03- Major Ions		
Chloride	**mg/L**	620
Cyanide	**mg/L**	0.00806
Cyanide (free)	**mg/L**	0.00626
Cyanide (WAD)	**mg/L**	0.0063
Silica	**mg/L**	3.9
Sulfate	**mg/L**	480
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	8.3
Nitrate (as N)	**mg/L**	13.7
Nitrite (as N)	**mg/L**	0.241

Total phosphorus	**mg/L**	0.027
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0509
Arsenic	**mg/L**	0.0671
Barium	**mg/L**	0.0665
Cadmium	**mg/L**	0.000198
Chromium	**mg/L**	< 0.0020
Copper	**mg/L**	0.0058
Iron	**mg/L**	0.422
Lead	**mg/L**	0.00167
Manganese	**mg/L**	0.707
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0073
Nickel	**mg/L**	0.0554
Selenium	**mg/L**	0.00290
Silver	**mg/L**	< 0.000040
Thallium	**mg/L**	0.000030
Titanium	**mg/L**	< 0.010
Zinc	**mg/L**	< 0.010
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	201
Magnesium (Dissolved)	**mg/L**	62.6
Potassium (Dissolved)	**mg/L**	24.6
Sodium (Dissolved)	**mg/L**	359

MEL-21		8/3/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	8.01
Dissolved Oxygen	**%**	106.8
Turbidity	**NTU**	30
Hardness, as CaCO3	**mg/L**	403
Hardness, as CaCO3-Dissolved	**mg/L**	434
Total alkalinity, as CaCO3	**mg/L**	110
TDS	**mg/L**	1210
TDS, calculated	**mg/L**	1200
TSS	**mg/L**	39
WQ03- Major Ions		
Chloride	**mg/L**	360
Cyanide	**mg/L**	0.0160

Fluoride	**mg/L**	0.13
Silica	**mg/L**	4.1
Sulfate	**mg/L**	290
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	3.5
Nitrate (as N)	**mg/L**	9.70
Nitrite (as N)	**mg/L**	0.598
Total phosphorus	**mg/L**	0.045
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.711
Arsenic	**mg/L**	0.0929
Barium	**mg/L**	0.0529
Cadmium	**mg/L**	0.000055
Chromium	**mg/L**	0.0023
Copper	**mg/L**	0.00625
Iron	**mg/L**	1.77
Lead	**mg/L**	0.0108
Manganese	**mg/L**	0.161
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0092
Nickel	**mg/L**	0.0192
Selenium	**mg/L**	0.00154
Silver	**mg/L**	0.000023
Thallium	**mg/L**	0.000021
Titanium	**mg/L**	0.0312
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	116
Magnesium (Dissolved)	**mg/L**	34.7
Potassium (Dissolved)	**mg/L**	19.1
Sodium (Dissolved)	**mg/L**	227

MEL-22		8/3/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.09
Dissolved Oxygen	**%**	65.8
Turbidity	**NTU**	0.7
Hardness, as CaCO3	**mg/L**	713
Total alkalinity, as CaCO3	**mg/L**	100
TDS	**mg/L**	2640

TDS, calculated	**mg/L**	2600
TSS	**mg/L**	3
WQ03- Major Ions		
Chloride	**mg/L**	1000
Cyanide	**mg/L**	0.0167
Fluoride	**mg/L**	0.14
Silica	**mg/L**	3.2
Sulfate	**mg/L**	450
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	13
Nitrate (as N)	**mg/L**	26.6
Nitrite (as N)	**mg/L**	0.543
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0163
Arsenic	**mg/L**	0.0209
Barium	**mg/L**	0.0548
Cadmium	**mg/L**	0.000039
Chromium	**mg/L**	< 0.0020
Copper	**mg/L**	0.0025
Iron	**mg/L**	0.067
Lead	**mg/L**	< 0.00040
Manganese	**mg/L**	0.107
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0120
Nickel	**mg/L**	0.0347
Selenium	**mg/L**	0.00219
Silver	**mg/L**	< 0.000040
Thallium	**mg/L**	0.000057
Titanium	**mg/L**	< 0.010
Zinc	**mg/L**	< 0.010
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	187
Magnesium (Dissolved)	**mg/L**	84.2
Potassium (Dissolved)	**mg/L**	53.0
Sodium (Dissolved)	**mg/L**	612

MEL-23		8/4/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		

pH	**pH units**	8.04
Dissolved Oxygen	**%**	17.5
Turbidity	**NTU**	2.0
Hardness, as CaCO3	**mg/L**	901
Total alkalinity, as CaCO3	**mg/L**	120
TDS	**mg/L**	2610
TDS, calculated	**mg/L**	2400
TSS	**mg/L**	5
WQ03- Major Ions		
Chloride	**mg/L**	860
Cyanide	**mg/L**	0.00173
Fluoride	**mg/L**	0.22
Silica	**mg/L**	4.4
Sulfate	**mg/L**	670
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	2.4
Nitrate (as N)	**mg/L**	13.5
Nitrite (as N)	**mg/L**	0.303
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0548
Arsenic	**mg/L**	0.0173
Barium	**mg/L**	0.0420
Cadmium	**mg/L**	0.000130
Chromium	**mg/L**	< 0.0020
Copper	**mg/L**	0.0028
Iron	**mg/L**	0.079
Lead	**mg/L**	< 0.00040
Manganese	**mg/L**	0.211
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0097
Nickel	**mg/L**	0.0920
Selenium	**mg/L**	0.00178
Silver	**mg/L**	< 0.000040
Thallium	**mg/L**	0.000026
Titanium	**mg/L**	< 0.010
Zinc	**mg/L**	< 0.010
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	192
Magnesium (Dissolved)	**mg/L**	95.0

Potassium (Dissolved)	**mg/L**	39.6
Sodium (Dissolved)	**mg/L**	437

MEL-24		8/2/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.52
Dissolved Oxygen	**%**	59.5
Turbidity	**NTU**	65
Hardness, as CaCO3	**mg/L**	1600
Total alkalinity, as CaCO3	**mg/L**	250
TDS	**mg/L**	3670
TDS, calculated	**mg/L**	3400
TSS	**mg/L**	45
WQ03- Major Ions		
Chloride	**mg/L**	800
Cyanide	**mg/L**	0.0364
Fluoride	**mg/L**	0.35
Silica	**mg/L**	17
Sulfate	**mg/L**	1400
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	35
Nitrate (as N)	**mg/L**	0.46
Nitrite (as N)	**mg/L**	0.193
Total phosphorus	**mg/L**	0.47
Orthophosphate (P)	**mg/L**	0.066
WQ06- Total Metals		
Aluminum	**mg/L**	0.119
Arsenic	**mg/L**	0.653
Barium	**mg/L**	0.0753
Cadmium	**mg/L**	0.000369
Chromium	**mg/L**	0.0076
Copper	**mg/L**	0.0330
Iron	**mg/L**	5.45
Lead	**mg/L**	0.0192
Manganese	**mg/L**	0.602
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0659
Nickel	**mg/L**	0.0532
Selenium	**mg/L**	0.00603
Silver	**mg/L**	0.00011

Thallium	**mg/L**	< 0.000050
Titanium	**mg/L**	< 0.025
Zinc	**mg/L**	1.29
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	569
Magnesium (Dissolved)	**mg/L**	40.9
Potassium (Dissolved)	**mg/L**	108
Sodium (Dissolved)	**mg/L**	356

MEL-25		8/11/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	8.19
Dissolved Oxygen	**%**	77.4
TSS	**mg/L**	5
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	< 0.050
WQ05- General Organics		
Total oil and grease	**mg/L**	0.60
WQ06- Total Metals		
Arsenic	**mg/L**	0.0469
Copper	**mg/L**	0.00473
Lead	**mg/L**	0.00030
Nickel	**mg/L**	0.0029
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
F2 (C10-C16)	**mg/L**	< 0.09
F3 (C16-C34)	**mg/L**	< 0.2
F4 (C34-C50)	**mg/L**	< 0.2

MEL-SR1				8/11/2025
Parameter	**MEL-SR MAX GRAB (WSEEP/RO)**	**MEL-SR MAX MEAN (WSEEP/RO)**	**Unit**	
WQ02- Conventional Parameters				

pH			**pH units**	7.95
Turbidity			**NTU**	1.4
Hardness, as CaCO3			**mg/L**	528
Total alkalinity, as CaCO3			**mg/L**	220
TDS			**mg/L**	1030
TDS, calculated			**mg/L**	960
TSS	100	50	**mg/L**	1
WQ03- Major Ions				
Chloride			**mg/L**	310
Cyanide			**mg/L**	0.00091
Fluoride			**mg/L**	0.11
Silica			**mg/L**	4.7
Sulfate			**mg/L**	180
WQ04- Nutrients and Chlorophyll a				
Ammonia Nitrogen (as N)			**mg/L**	<0.050
Nitrate (as N)			**mg/L**	0.11
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**	0.0687
Arsenic			**mg/L**	0.00539
Barium			**mg/L**	0.0685
Cadmium			**mg/L**	0.000029
Chromium			**mg/L**	<0.0010
Copper			**mg/L**	0.00360
Iron			**mg/L**	0.250
Lead			**mg/L**	<0.00020
Manganese			**mg/L**	0.0497
Mercury			**mg/L**	<0.00001
Molybdenum			**mg/L**	0.0011
Nickel			**mg/L**	0.0180
Selenium			**mg/L**	0.00014
Silver			**mg/L**	<0.000020
Titanium			**mg/L**	<0.0050
Zinc			**mg/L**	0.0266
WQ07- Dissolved Metals				
Calcium (Dissolved)			**mg/L**	159
Magnesium (Dissolved)			**mg/L**	31.9

Potassium (Dissolved)			**mg/L**	15.9
Sodium (Dissolved)			**mg/L**	136

MEL-SR27				8/11/2025
Parameter	**MEL-SR MAX GRAB (WSEEP/RO)**	**MEL-SR MAX MEAN (WSEEP/RO)**	**Unit**	
WQ02- Conventional Parameters				
pH			**pH units**	7.94
Turbidity			**NTU**	1.4
Hardness, as CaCO3			**mg/L**	192
Total alkalinity, as CaCO3			**mg/L**	99
TDS			**mg/L**	370
TDS, calculated			**mg/L**	330
TSS	100	50	**mg/L**	1
WQ03- Major Ions				
Chloride			**mg/L**	74
Cyanide			**mg/L**	0.00080
Fluoride			**mg/L**	<0.10
Silica			**mg/L**	1.9
Sulfate			**mg/L**	71
WQ04- Nutrients and Chlorophyll a				
Ammonia Nitrogen (as N)			**mg/L**	0.12
Nitrate (as N)			**mg/L**	0.50
Nitrite (as N)			**mg/L**	<0.010
Nitrate + nitrite (as N)			**mg/L**	0.50
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**	0.0422
Arsenic			**mg/L**	0.00370
Barium			**mg/L**	0.0291
Cadmium			**mg/L**	<0.000010
Chromium			**mg/L**	<0.0010
Copper			**mg/L**	0.00288
Iron			**mg/L**	0.126
Lead			**mg/L**	<0.00020
Manganese			**mg/L**	0.0145
Mercury			**mg/L**	<0.00001

Molybdenum			**mg/L**	<0.0010
Nickel			**mg/L**	0.0032
Selenium			**mg/L**	0.00019
Silver			**mg/L**	<0.000020
Titanium			**mg/L**	<0.0050
Zinc			**mg/L**	<0.0050
WQ07- Dissolved Metals				
Calcium (Dissolved)			**mg/L**	59.1
Magnesium (Dissolved)			**mg/L**	10.9
Potassium (Dissolved)			**mg/L**	5.83
Sodium (Dissolved)			**mg/L**	42.1