Meliadine Gold Mine
NWB 2AM-MEL1631
May 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 May 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	-	-	-	-	-	-	-	234,560
Dust suppression[2]	m^3	0	0	0	0	0	-	-	-	-	-	-	-	0
Dust suppression[3]	m^3	0	0	0	0	174	-	-	-	-	-	-	-	174

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 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	-	-	-	-	-	-	-	0
MEL-26	m^3	0	0	0	0	0	-	-	-	-	-	-	-	0
MEL-25	m^3	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	-	-	-	-	-	-	-	24,269.8
Sewage Sludge	Amount (m^3)	12	10	12.40	11.20	9.4	-	-	-	-	-	-	-	55
	Disposal Location	WRSF3	WRSF3	WRSF3	WRSF3	WRSF3	-	-	-	-	-	-	-	-

2.6 MONITORING ANALYTICAL DATA

Seventeen (17) 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			2025 Total
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Landfill (Survey)	m^3	33,105			-			-			-			-
Landfarm (Survey)	m^3	849[4]			-			-			-			-
Landfarm[5]	m^3	2	0.8	23.85	17.8	80.01	-	-	-	-	-	-	-	124.46

[4] 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.
[5] 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	-	-	-	-	-	-	-	981,358
Waste Rock	Removed from open pit mining	382,704	369,748	457,569	528,808	610,631	-	-	-	-	-	-	-	2,349,460
	Removed from underground mining	99,563	87,430	89,629	80,238	50,097	-	-	-	-	-	-	-	406,957
	Used as underground dry rockfill	44,117	47,159	56,034	47,094	50,097	-	-	-	-	-	-	-	244,501
Tailings	Send to TSF	128,762	161,625	176,249	169,507	192,605	-	-	-	-	-	-	-	828,748
	Used as paste underground backfill	29,624	28,065	33,482	27,158	34,281	-	-	-	-	-	-	-	152,610

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 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
Wednesday, May 07, 2025 2:30:00 AM	Diesel fuel	8L	Church Heavy equipment parking	While refueling a haul truck, the worker experienced a delay in the fast-fill system's response, resulting in a fuel spill before the system shut off.	Contaminated material was scrapped and disposed of at Landfarm.
Friday, May 09, 2025 10:00:00 AM	Hydraulic Oil	2L	West of Ore Silo	A component failure on a crane parked on the pad resulted in a 2L hydraulic oil spill.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin.
Friday, May 09, 2025 10:00:00 PM	Hydraulic Oil	80L	Km 11 Bridge	While clearing snow with an excavator near the bridge at km 11 in preparation for waterline work, a hydraulic hose failed, resulting in an 80L 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.
Friday, May 09, 2025 10:30:00 PM	Hydraulic Oil	10L	Km 4 pad	While clearing snow with a loader at KM4, a hydraulic hose failed, resulting in an 10L 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.
Saturday, May 10, 2025 5:30:00 PM	Hydraulic Oil	15L	Process Plant	A hydraulic hose on the crusher located outside the Process Plant failed, resulting in an 15L 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.
Monday, May 12,	Coolant	20L	OP-2	A coolant hose on a loader failed resulting in a 20L spill.	Spill pads were deployed to clean up the spill and disposed

2025 4:30:00 AM					of in the appropriate bin.
Tuesday, May 13, 2025 1:00:00 PM	Hydraulic oil	1L	MSB parking lot	Approximately 1L of hydraulic oil was found on the ground in the MSB west parking lot by the Environment team, originating from unidentified parked equipment overnight.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin.
Wednesday, May 14, 2025 3:00:00 PM	Diesel fuel	1L	MSB Parking Lot	A hydraulic spill of 1L was observed beneath a Toyota underground pickup, which was parked in the MSB parking lot.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin.
Thursday, May 15, 2025 3:00:00 PM	Hydraulic oil	6L	TSF	Worker was installing the light tower truck at the TSF. As he activated the lowering of an outrigger, oil started leaking from a hose.	Worker shut down the equipment and used the spill kit.
Thursday, May 15, 2025 10:00:00 PM	Hydraulic oil	4L	Rondelle Pad Awar	Operator was back blading with a loader, when the quick attach fitting for the hose failed.	Equipment was stopped, spill kit was used to contain product, called supervisor for fitting replacement.
Monday, May 19, 2025 6:30:00 AM	Transmission Oil	2L	TIRI01	A frozen chunk of mud detached from the undercarriage of the mine helper pickup, damaging two transmission hoses in the open pit.	Contaminated material will be processed at the Process Plant.
Tuesday, May 20, 2025 8:00:00 AM	Hydraulic oil	15L	Itivia	A hydraulic hose ruptured during startup of the bulldozer, resulting in 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 in a hazmat bin.
Tuesday, May 20, 2025 5:00:00 PM	Hydraulic oil	20L	AWAR KM12	While traveling along the AWAR, the driver noticed an oil leak coming from the semi-truck.	Spill pads were deployed to clean up the spill and disposed of in the appropriate bin.
Wednesday, May 21, 2025 2:00:00 PM	Hydraulic Oil	30L	TIRI01	A rupture in the rear hydraulic brake hose of haul truck caused a spill of approximately 30 liters of hydraulic oil.	Contaminated material was scrapped and disposed of at Landfarm.
Wednesday, May 21, 2025 10:49:00 PM	Hydraulic Oil	55L	KCG Parking Ditch	Following brake line repairs, haul truck was relocated from the Tiri 1 open pit to the KCG	Contaminated material was scrapped and disposed of at Landfarm.

				parking area. Upon exiting the vehicle, the operator noticed a rupture in the hoist cylinder hose.	
Friday, May 23, 2025 6:30:00 AM	Sewage	120L	Wing 6	Approximately 120 L of sewage spilled onto the industrial pad outside the Wing 6 lift station. Upon inspection, it was discovered the lift station pump impeller was obstructed by non-compliant material, which led to the pump's failure and caused the lift station to overflow.	Upon discovering the spill, a vacuum truck and a plumber were dispatched to respond to the spill. The vacuum truck was utilized to empty the contents within the secondary containment. The contaminated material was excavated and transported to Landfarm A in accordance with the Spill Contingency Plan.
Friday, May 23, 2025 2:00:00 PM	hydraulic oil	2L	Inukshuk Laydown	A loose fitting on the hydraulic hose of an excavator caused a spill of approximately 2 liters 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 in a hazmat bin.
Wednesday, May 28, 2025 9:30:00 AM	Hydraulic Oil	5L	Pump01	While placing material on the Pump 1 slope (thermal cap), the haul truck operator noticed hydraulic oil droplets on the ground.	Contaminated material was scrapped and disposed of at Landfarm.
Wednesday, May 28, 2025 10:00:00 PM	Hydraulic Oil	50L	TIRI01	An unidentified ground impact caused partial detachment of the skid plate's supporting frame on haul truck. The displaced frame damaged transmission components and hoses, resulting in a hydraulic fluid spill of approximately 50 liters	Contaminated material was scrapped and will be processed at the Mill.

Appendix – Monitoring Analytical Data

MEL-11		5/6/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.37
Turbidity	**NTU**	<0.1
Conductivity	**ms/cm**	0.184
Hardness, as CaCO3	**mg/L**	50
Total alkalinity, as CaCO3	**mg/L**	30
Carbonate, as CaCO3	**mg/L**	<1.0
Bicarbonate, as CaCO3	**mg/L**	30
TDS	**mg/L**	145
TDS, calculated	**mg/L**	91
TSS	**mg/L**	<1.0
Total organic carbon	**mg/L**	4.8
Dissolved organic carbon	**mg/L**	5.0
WQ03- Major Ions		
Chloride	**mg/L**	25
Cyanide	**mg/L**	<0.00050
Cyanide (free)	**mg/L**	0.00057
Cyanide (WAD)	**mg/L**	<0.00050
Silica	**mg/L**	1.3
Sulfate	**mg/L**	16
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	<0.050
Nitrate (as N)	**mg/L**	0.13
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**	<0.0030
Antimony	**mg/L**	<0.00050
Arsenic	**mg/L**	0.00098
Barium	**mg/L**	0.0154
Beryllium	**mg/L**	<0.00010
Boron	**mg/L**	<0.050
Cadmium	**mg/L**	<0.000010
Chromium	**mg/L**	<0.0010
Copper	**mg/L**	0.00113
Iron	**mg/L**	0.018
Lead	**mg/L**	<0.00020
Lithium	**mg/L**	<0.0020
Manganese	**mg/L**	0.0042

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**	0.0818
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**	0.00094
Barium	**mg/L**	0.0156
Beryllium	**mg/L**	<0.00010
Boron	**mg/L**	<0.050
Cadmium	**mg/L**	<0.000010
Calcium (Dissolved)	**mg/L**	15.2
Chromium	**mg/L**	<0.0010
Copper	**mg/L**	0.00109
Iron	**mg/L**	0.0084
Lead	**mg/L**	<0.00020
Lithium	**mg/L**	<0.0020
Magnesium (Dissolved)	**mg/L**	2.94
Manganese	**mg/L**	<0.0010
Mercury	**mg/L**	<0.00001
Molybdenum	**mg/L**	<0.0010
Nickel	**mg/L**	0.0011
Potassium (Dissolved)	**mg/L**	1.62
Selenium	**mg/L**	0.00012
Silver	**mg/L**	<0.000020
Sodium (Dissolved)	**mg/L**	11.7
Strontium	**mg/L**	0.0859
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**	<0.000020
Ethylbenzene	**mg/L**	<0.000020
Toluene	**mg/L**	<0.000020
Xylenes	**mg/L**	<0.000040
m,p-Xylenes	**mg/L**	<0.000040
o-Xylene	**mg/L**	<0.000020
F1 (C6-C10)-BTEX	**mg/L**	<0.025
F1 (C6-C10)	**mg/L**	<0.025
F2 (C10-C16)	**mg/L**	<0.090
F3 (C16-C34)	**mg/L**	0.2
F4 (C34-C50)	**mg/L**	<0.2

MEL-17		5/31/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.72
Dissolved Oxygen	**%**	97.8
Turbidity	**NTU**	1.0
Conductivity	**ms/cm**	0.380
Hardness, as CaCO3	**mg/L**	116
Total alkalinity, as CaCO3	**mg/L**	48
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	48
TDS	**mg/L**	205
TDS, calculated	**mg/L**	210
TSS	**mg/L**	6
Total organic carbon	**mg/L**	5.4
Dissolved organic carbon	**mg/L**	5.2
WQ03- Major Ions		
Chloride	**mg/L**	38
Cyanide	**mg/L**	< 0.00050
Cyanide (free)	**mg/L**	0.00073
Cyanide (WAD)	**mg/L**	< 0.00050
Silica	**mg/L**	1.3
Sulfate	**mg/L**	72
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.12
Nitrate (as N)	**mg/L**	0.17
Nitrite (as N)	**mg/L**	0.011
Total Kjeldahl nitrogen	**mg/L**	0.33

Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0338
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00521
Barium	**mg/L**	0.0271
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00122
Iron	**mg/L**	0.238
Lead	**mg/L**	0.00032
Lithium	**mg/L**	0.0036
Manganese	**mg/L**	0.0717
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	0.0033
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Strontium	**mg/L**	0.252
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	0.00024
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Aluminum	**mg/L**	0.0046
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00375
Barium	**mg/L**	0.0257
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	38.2
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00129
Iron	**mg/L**	0.120
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0033
Magnesium (Dissolved)	**mg/L**	5.99

Manganese	**mg/L**	0.0679
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	0.0033
Potassium (Dissolved)	**mg/L**	3.16
Selenium	**mg/L**	0.00010
Silver	**mg/L**	< 0.000020
Sodium (Dissolved)	**mg/L**	18.7
Strontium	**mg/L**	0.223
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	0.00027
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050

MEL-18		5/31/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.80
Dissolved Oxygen	**%**	116.4
Turbidity	**NTU**	1.6
Conductivity	**ms/cm**	0.227
Hardness, as CaCO3	**mg/L**	77.1
Total alkalinity, as CaCO3	**mg/L**	39
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	39
TDS	**mg/L**	115
TDS, calculated	**mg/L**	110
TSS	**mg/L**	2
Total organic carbon	**mg/L**	3.8
Dissolved organic carbon	**mg/L**	3.4
WQ03- Major Ions		
Chloride	**mg/L**	28
Cyanide	**mg/L**	0.00070
Cyanide (free)	**mg/L**	0.00067
Cyanide (WAD)	**mg/L**	< 0.00050
Silica	**mg/L**	1.2
Sulfate	**mg/L**	23
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.16

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**	0.0413
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.0332
Barium	**mg/L**	0.0233
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00134
Iron	**mg/L**	0.271
Lead	**mg/L**	0.00110
Lithium	**mg/L**	0.0074
Manganese	**mg/L**	0.0525
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**	0.217
Thallium	**mg/L**	< 0.000010
Tin	**mg/L**	< 0.0050
Titanium	**mg/L**	< 0.0050
Uranium	**mg/L**	0.00011
Vanadium	**mg/L**	< 0.0050
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Aluminum	**mg/L**	< 0.0030
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.0178
Barium	**mg/L**	0.0217
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Calcium (Dissolved)	**mg/L**	26.7
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00121
Iron	**mg/L**	0.0635
Lead	**mg/L**	0.00020

Lithium	**mg/L**	0.0068
Magnesium (Dissolved)	**mg/L**	2.77
Manganese	**mg/L**	0.0530
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**	7.16
Strontium	**mg/L**	0.184
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-19		5/31/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.78
Dissolved Oxygen	**%**	82.0
Turbidity	**NTU**	4.2
Hardness, as CaCO3	**mg/L**	87.0
Total alkalinity, as CaCO3	**mg/L**	52
TDS	**mg/L**	200
TDS, calculated	**mg/L**	230
TSS	**mg/L**	17
WQ03- Major Ions		
Chloride	**mg/L**	68
Cyanide	**mg/L**	0.00057
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	0.97
Sulfate	**mg/L**	50
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.44
Nitrate (as N)	**mg/L**	1.08
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**	0.246
Arsenic	**mg/L**	0.0146
Barium	**mg/L**	0.0097
Cadmium	**mg/L**	0.000015
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00169
Iron	**mg/L**	0.537
Lead	**mg/L**	0.00097
Manganese	**mg/L**	0.0657
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0015
Nickel	**mg/L**	0.0072
Selenium	**mg/L**	0.00026
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	< 0.000010
Titanium	**mg/L**	0.0069
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	25.4
Magnesium (Dissolved)	**mg/L**	6.39
Potassium (Dissolved)	**mg/L**	3.78
Sodium (Dissolved)	**mg/L**	36.3

MEL-20		5/31/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.77
Dissolved Oxygen	**%**	118.7
Turbidity	**NTU**	3.1
Conductivity	**ms/cm**	0.997
Hardness, as CaCO3	**mg/L**	176
Total alkalinity, as CaCO3	**mg/L**	62
TDS	**mg/L**	550
TDS, calculated	**mg/L**	530
TSS	**mg/L**	13
WQ03- Major Ions		
Chloride	**mg/L**	160
Cyanide	**mg/L**	0.0517
Cyanide (free)	**mg/L**	0.0451
Cyanide (WAD)	**mg/L**	0.048

Silica	**mg/L**	1.3
Sulfate	**mg/L**	130
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	4.6
Nitrate (as N)	**mg/L**	9.11
Nitrite (as N)	**mg/L**	0.116
Total phosphorus	**mg/L**	-
Orthophosphate (P)	**mg/L**	0.012
WQ06- Total Metals		
Aluminum	**mg/L**	0.212
Arsenic	**mg/L**	0.234
Barium	**mg/L**	0.0157
Cadmium	**mg/L**	0.000020
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.0177
Iron	**mg/L**	0.684
Lead	**mg/L**	0.00474
Manganese	**mg/L**	0.106
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0048
Nickel	**mg/L**	0.0067
Selenium	**mg/L**	0.00186
Silver	**mg/L**	0.000031
Thallium	**mg/L**	< 0.000010
Titanium	**mg/L**	0.0061
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	51.3
Magnesium (Dissolved)	**mg/L**	13.7
Potassium (Dissolved)	**mg/L**	8.34
Sodium (Dissolved)	**mg/L**	94.5

MEL-21		5/31/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.88
Dissolved Oxygen	**%**	88.2
Turbidity	**NTU**	5.2
Hardness, as CaCO3	**mg/L**	172
Hardness, as CaCO3-Dissolved	**mg/L**	183
Total alkalinity, as CaCO3	**mg/L**	59

TDS	**mg/L**	395
TDS, calculated	**mg/L**	340
TSS	**mg/L**	10
WQ03- Major Ions		
Chloride	**mg/L**	100
Cyanide	**mg/L**	0.0133
Fluoride	**mg/L**	< 0.10
Silica	**mg/L**	1.7
Sulfate	**mg/L**	86
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.51
Nitrate (as N)	**mg/L**	1.94
Nitrite (as N)	**mg/L**	0.020
Nitrate + nitrite (as N)	**mg/L**	1.96
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.237
Arsenic	**mg/L**	0.0951
Barium	**mg/L**	0.0195
Cadmium	**mg/L**	0.000017
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00591
Iron	**mg/L**	0.666
Lead	**mg/L**	0.00402
Manganese	**mg/L**	0.0633
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0034
Nickel	**mg/L**	0.0062
Selenium	**mg/L**	0.00046
Silver	**mg/L**	< 0.000020
Thallium	**mg/L**	< 0.000010
Titanium	**mg/L**	0.0056
Zinc	**mg/L**	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	58.3
Magnesium (Dissolved)	**mg/L**	9.18
Potassium (Dissolved)	**mg/L**	5.71
Sodium (Dissolved)	**mg/L**	36.4

MEL-22		5/31/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.91
Dissolved Oxygen	**%**	92.7
Turbidity	**NTU**	2.2
Hardness, as CaCO3	**mg/L**	310
Hardness, as CaCO3-Dissolved	**mg/L**	315
Total alkalinity, as CaCO3	**mg/L**	93
TDS	**mg/L**	945
TDS, calculated	**mg/L**	900
TSS	**mg/L**	7
WQ03- Major Ions		
Chloride	**mg/L**	350
Cyanide	**mg/L**	0.0169
Fluoride	**mg/L**	0.20
Silica	**mg/L**	2.6
Sulfate	**mg/L**	160
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	5.0
Nitrate (as N)	**mg/L**	7.05
Nitrite (as N)	**mg/L**	0.229
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.152
Arsenic	**mg/L**	0.0242
Barium	**mg/L**	0.0277
Cadmium	**mg/L**	0.000023
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00375
Iron	**mg/L**	0.349
Lead	**mg/L**	0.00090
Manganese	**mg/L**	0.269
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0088
Nickel	**mg/L**	0.0168
Selenium	**mg/L**	0.00074
Silver	**mg/L**	0.000041
Thallium	**mg/L**	0.000018
Titanium	**mg/L**	< 0.0050
Zinc	**mg/L**	0.0067
WQ07- Dissolved Metals		

Calcium (Dissolved)	**mg/L**	85.1
Magnesium (Dissolved)	**mg/L**	24.9
Potassium (Dissolved)	**mg/L**	22.1
Sodium (Dissolved)	**mg/L**	165

MEL-25		5/25/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.11
Dissolved Oxygen	**%**	105.8
TSS	**mg/L**	8
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.094
WQ05- General Organics		
Total oil and grease	**mg/L**	0.70
WQ06- Total Metals		
Arsenic	**mg/L**	0.00299
Copper	**mg/L**	0.00327
Lead	**mg/L**	0.00050
Nickel	**mg/L**	0.0027
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)	**mg/L**	-
F2 (C10-C16)	**mg/L**	< 0.09
F3 (C16-C34)	**mg/L**	< 0.2
F4 (C34-C50)	**mg/L**	< 0.2

MEL-SR1		5/28/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.98
Turbidity	**NTU**	5.4
Hardness, as CaCO3	**mg/L**	99.4
Total alkalinity, as CaCO3	**mg/L**	74
TDS, calculated	**mg/L**	190
TSS	**mg/L**	16

WQ03- Major Ions		
Chloride	**mg/L**	40
Cyanide	**mg/L**	<0.00050
Fluoride	**mg/L**	<0.10
Silica	**mg/L**	1.3
Sulfate	**mg/L**	46
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**	0.233
Arsenic	**mg/L**	0.00195
Barium	**mg/L**	0.0190
Cadmium	**mg/L**	0.000016
Chromium	**mg/L**	0.0015
Copper	**mg/L**	0.00340
Iron	**mg/L**	0.476
Lead	**mg/L**	0.00038
Manganese	**mg/L**	0.0553
Mercury	**mg/L**	<0.00001
Molybdenum	**mg/L**	<0.0010
Nickel	**mg/L**	0.0042
Selenium	**mg/L**	<0.00010
Silver	**mg/L**	<0.000020
Thallium	**mg/L**	<0.000010
Zinc	**mg/L**	0.0183
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	36.9
Magnesium (Dissolved)	**mg/L**	5.41
Potassium (Dissolved)	**mg/L**	3.40
Sodium (Dissolved)	**mg/L**	17.5

MEL-SR15		5/25/2025	5/26/2025
Parameter	**Unit**		
WQ02- Conventional Parameters			
pH	**pH units**	7.46	7.44

Turbidity	**NTU**	14	2.0
Hardness, as CaCO3	**mg/L**	26.9	20.8
Total alkalinity, as CaCO3	**mg/L**	15	17
TDS, calculated	**mg/L**	57	46
TSS	**mg/L**	13	11
WQ03- Major Ions			
Chloride	**mg/L**	11	9.4
Cyanide	**mg/L**	<0.00050	<0.00050
Fluoride	**mg/L**	<0.10	<0.10
Silica	**mg/L**	0.73	0.43
Sulfate	**mg/L**	23	12
WQ04- Nutrients and Chlorophyll a			
Ammonia Nitrogen (as N)	**mg/L**	<0.050	<0.050
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	<0.50
WQ06- Total Metals			
Aluminum	**mg/L**	0.606	0.0134
Arsenic	**mg/L**	0.00487	0.00423
Barium	**mg/L**	0.0100	0.0068
Cadmium	**mg/L**	<0.000010	<0.000010
Chromium	**mg/L**	0.0016	<0.0010
Copper	**mg/L**	0.00279	0.00165
Iron	**mg/L**	1.28	0.670
Lead	**mg/L**	0.00156	0.00071
Manganese	**mg/L**	0.0687	0.0752
Mercury	**mg/L**	<0.00001	<0.00001
Molybdenum	**mg/L**	<0.0010	<0.0010
Nickel	**mg/L**	0.0018	0.0013
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**	8.12	8.05
Magnesium (Dissolved)	**mg/L**	1.11	1.39
Potassium (Dissolved)	**mg/L**	0.891	0.952
Sodium (Dissolved)	**mg/L**	4.20	4.47

MEL-SR16		5/26/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.74
Turbidity	**NTU**	0.6
Hardness, as CaCO3	**mg/L**	210
Total alkalinity, as CaCO3	**mg/L**	83
TDS, calculated	**mg/L**	350
TSS	**mg/L**	8
WQ03- Major Ions		
Chloride	**mg/L**	65
Cyanide	**mg/L**	0.00069
Fluoride	**mg/L**	<0.10
Silica	**mg/L**	3.8
Sulfate	**mg/L**	120
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**	0.0288
Arsenic	**mg/L**	0.00326
Barium	**mg/L**	0.0471
Cadmium	**mg/L**	0.000016
Chromium	**mg/L**	<0.0010
Copper	**mg/L**	0.00287
Iron	**mg/L**	0.038
Lead	**mg/L**	<0.00020
Manganese	**mg/L**	0.0180
Mercury	**mg/L**	<0.00001
Molybdenum	**mg/L**	0.0011
Nickel	**mg/L**	0.0025
Selenium	**mg/L**	<0.00010
Silver	**mg/L**	<0.000020
Thallium	**mg/L**	<0.000010
Zinc	**mg/L**	<0.0050

WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	76.7
Magnesium (Dissolved)	**mg/L**	11.7
Potassium (Dissolved)	**mg/L**	5.03
Sodium (Dissolved)	**mg/L**	15.0

MEL-SR22		5/27/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.0
Turbidity	**NTU**	0.8
Hardness, as CaCO3	**mg/L**	9.06
Total alkalinity, as CaCO3	**mg/L**	6
TDS, calculated	**mg/L**	20
TSS	**mg/L**	6
WQ03- Major Ions		
Chloride	**mg/L**	3.8
Cyanide	**mg/L**	<0.00050
Fluoride	**mg/L**	<0.10
Silica	**mg/L**	0.40
Sulfate	**mg/L**	5.5
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**	0.0935
Arsenic	**mg/L**	0.00377
Barium	**mg/L**	0.0075
Cadmium	**mg/L**	<0.000010
Chromium	**mg/L**	<0.0010
Copper	**mg/L**	0.00151
Iron	**mg/L**	0.186
Lead	**mg/L**	<0.00020
Manganese	**mg/L**	0.0486
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
Thallium	**mg/L**	<0.000010
Zinc	**mg/L**	<0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	3.17
Magnesium (Dissolved)	**mg/L**	0.574
Potassium (Dissolved)	**mg/L**	0.773
Sodium (Dissolved)	**mg/L**	2.12

MEL-SR24		5/25/2025	5/26/2025
Parameter	**Unit**		
WQ02- Conventional Parameters			
pH	**pH units**	7.44	7.23
Turbidity	**NTU**	27	1.6
Hardness, as CaCO3	**mg/L**	57.9	20.1
Total alkalinity, as CaCO3	**mg/L**	32	12
TDS, calculated	**mg/L**	66	40
TSS	**mg/L**	100	8
WQ03- Major Ions			
Chloride	**mg/L**	13	6
Cyanide	**mg/L**	<0.00050	<0.00050
Fluoride	**mg/L**	<0.10	<0.10
Silica	**mg/L**	1	0.58
Sulfate	**mg/L**	4.6	13
WQ04- Nutrients and Chlorophyll a			
Ammonia Nitrogen (as N)	**mg/L**	<0.050	<0.050
Nitrate (as N)	**mg/L**	<0.10	<0.10
Nitrite (as N)	**mg/L**	<0.010	<0.010
Total phosphorus	**mg/L**	0.099	<0.020
Orthophosphate (P)	**mg/L**	<0.010	<0.010
WQ05- General Organics			
Total oil and grease	**mg/L**	<0.50	<0.50
WQ06- Total Metals			
Aluminum	**mg/L**	1.79	0.210
Arsenic	**mg/L**	0.00795	0.00357
Barium	**mg/L**	0.0434	0.0119
Cadmium	**mg/L**	0.000023	0.000015
Chromium	**mg/L**	0.0044	<0.0010
Copper	**mg/L**	0.00954	0.00170

Iron	**mg/L**	3.67	0.465
Lead	**mg/L**	0.00203	0.00030
Manganese	**mg/L**	0.0982	0.0427
Mercury	**mg/L**	<0.00001	<0.00001
Molybdenum	**mg/L**	<0.0010	<0.0010
Nickel	**mg/L**	0.0051	0.0013
Selenium	**mg/L**	<0.00010	<0.00010
Silver	**mg/L**	<0.000020	<0.000020
Thallium	**mg/L**	0.0937	<0.000010
Zinc	**mg/L**	0.0081	<0.0050
WQ07- Dissolved Metals			
Calcium (Dissolved)	**mg/L**	17.8	7.27
Magnesium (Dissolved)	**mg/L**	1.94	1.11
Potassium (Dissolved)	**mg/L**	2.42	1.03
Sodium (Dissolved)	**mg/L**	6.77	3.88

MEL-SR25		5/30/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.29
Turbidity	**NTU**	1.6
Hardness, as CaCO3	**mg/L**	28.2
Total alkalinity, as CaCO3	**mg/L**	14
TDS, calculated	**mg/L**	50
TSS	**mg/L**	2
WQ03- Major Ions		
Chloride	**mg/L**	14
Cyanide	**mg/L**	<0.00050
Fluoride	**mg/L**	<0.10
Silica	**mg/L**	0.66
Sulfate	**mg/L**	11
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.079
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**	0.0941

Arsenic	**mg/L**	0.00405
Barium	**mg/L**	0.0119
Cadmium	**mg/L**	0.000011
Chromium	**mg/L**	<0.0010
Copper	**mg/L**	0.00113
Iron	**mg/L**	0.299
Lead	**mg/L**	0.00030
Manganese	**mg/L**	0.0777
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
Thallium	**mg/L**	<0.000010
Zinc	**mg/L**	<0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	8.79
Magnesium (Dissolved)	**mg/L**	1.37
Potassium (Dissolved)	**mg/L**	1.12
Sodium (Dissolved)	**mg/L**	6.03

MEL-SR26		5/30/2025
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.73
Turbidity	**NTU**	1.7
Hardness, as CaCO3	**mg/L**	
Total alkalinity, as CaCO3	**mg/L**	42
TDS, calculated	**mg/L**	170
TSS	**mg/L**	6
WQ03- Major Ions		
Chloride	**mg/L**	46
Cyanide	**mg/L**	<0.00050
Fluoride	**mg/L**	<0.10
Silica	**mg/L**	0.70
Sulfate	**mg/L**	44
WQ04- Nutrients and Chlorophyll a		
Ammonia Nitrogen (as N)	**mg/L**	0.083
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**	0.0035
Arsenic	**mg/L**	0.00080
Barium	**mg/L**	0.0252
Cadmium	**mg/L**	<0.000010
Chromium	**mg/L**	<0.0010
Copper	**mg/L**	0.00139
Iron	**mg/L**	0.058
Lead	**mg/L**	<0.00020
Manganese	**mg/L**	0.0218
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
Thallium	**mg/L**	<0.000010
Zinc	**mg/L**	<0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	**mg/L**	28.3
Magnesium (Dissolved)	**mg/L**	4.31
Potassium (Dissolved)	**mg/L**	2.70
Sodium (Dissolved)	**mg/L**	21.7