

Meliadine Gold Mine NWB 2AM-MEL1631 August 2024 Monthly Report

Prepared for:

Nunavut Water Board

Prepared by:

Agnico Eagle Mines Limited – Meliadine Division

Table of Contents

SECTION	11 •	BACKGROUND	1
SECTION	12 •	WATER MANAGEMENT	1
2.1	WATER	Usage	.1
2.2	DEWATE	RING ACTIVITIES	.1
2.3		DISCHARGE	
2.4		AND RUNOFF FROM THE LANDFILL AND LANDFARM	
2.5		TREATMENT PLANT	
2.6		DRING ANALYTICAL DATA	
SECTION	13 •	MATERIAL MANAGEMENT	4
3.1	LANDEII	L / LANDFARM	4
3.2	ORE, W	ASTE ROCK STORAGE FACILITY, TAILINGS	5
SECTION 4	SPIL	L MANAGEMENT	6
4.1	INTERNA	AL AND REPORTABLE SPILLS	.6

SECTION 1 • BACKGROUND

As required under Part I, Item 9 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 2024.

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 2024

Usage	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	2024 Total
MEL-11 ¹	m³	46,859	40,057	43,273	42,794	33,136	40,333	50,559 ²	53,277	-	-	-	ı	350,288
Dust suppression ³	m³	0	0	0	0	0	0	-	-	-	-	-	-	0
Dust suppression ⁴	m³	0	0	0	0	579	3,121	2,753	2,241	-	-	-	-	8,694

In August, approximately 2,241 m³ of contact water was used for dust suppression purposes on site, in areas captured by the Contact Water management facilities reporting back to CP1 (including haul roads and open pit areas).

2.2 DEWATERING ACTIVITIES

Four (4) ponds (B36, B37, B38 and B62) were dewatered to Contact Water management facilities (Collection Pond 1) during the month as part of the permitted fish salvage.

¹ Camp, Mill, Dust suppression

² The July MEL-11 water usage was corrected in the August report

³ Water obtained along AWAR/Meliadine River

⁴ Reclaim water obtained from CP1 or other Contact Water management facilities and used for dust suppression on site

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).

Table 2.3: Summary of the monthly water discharge in 2024

Location	Unit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	2024 Total
MEL-14	m³	0	0	0	0	0	171,936	72,724	0	-	-	1	-	244,660
MEL-26	m ³	0	0	0	0	0	0	0	0	-	-	-	-	0
MEL-25	m ³	0	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 2024

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	2024 Total
Wastewater Dis	charge (m³)	4,350	5,270	6,070	5,777	4,131	4,945	5,080	5,306	-	-	-	-	40,929
Cowago Cludgo	Amount (m³)	100	100	120	120	81.4	80	10.50	31	-	-	-	-	642.90
Sewage Sludge	Disposal Location	WRSF3	-	-	-	-	-							

2.6 MONITORING ANALYTICAL DATA

Eleven (11) 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			2024 Total		
Location	Oiiit	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	2024 Total
Landfill (Survey)	m ³		28,127			26,087	7		27,232			-		-
Landfarm (Survey)	m³		604 ⁵			537			1,158			-		-
Landfarm ⁶	m³	1.8	0.02	3.25	7.28	2.3	32.52	3.78	7.47	-	-	ı	-	58.42

4

⁵ From landfarm survey conducted in October 2023. 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 2024

	Material (tonnes)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	Cumulative 2024
Processed Or	re	190,946	154,435	156,820	166,561	113,952	144,504	190,576	181,680	-	-	-	-	1,299,474
	Removed from open pit mining	175,380	534,627	845,427	701,244	344,631	231,788	481,603	397,615	-	-	-		3,712,315
Waste Rock	Removed from underground mining	71,281 ⁷	67,267	73,926	87,413	54,382	71,177	65,504	74,681	-	-	-		565,632
	Used as underground dry rockfill	49,823	31,805	10,566	31,716	18,233	13,755	23,217	54,582	-	-	-		233,698
Tailings	Send to TSF	144,379	107,392	111,857	125,769	83,808	110,265	152,691	151,392	-	-	-		987,553
Tailings	Used as paste underground backfill	46,567	47,043	44,963	40,792	30,144	34,239	37,885	30,288	-	-	-		311,921

5

⁷ January waste rock removed from underground mining was updated in February report

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
Friday, August 02, 2024 5:15:00 AM	Coolant	3L	KCG Parking	After parking the loader, a worker noticed a leak under the equipment. Investigation revealed a loose clamp at the bottom of the radiator.	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.
Friday, August 02, 2024 6:00:00 PM	Petroleum products	0.5L	MSB parking area north of Maintenance garage	After parking the vehicle, worker noticed oil dripping from under the engine.	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.
Friday, August 02, 2024 7:45:00 PM	Diesel Fuel	3L	KCG Parking	While the operator was filling the loader with diesel fuel, 3 liters of fuel overflowed from the tank and spilled onto the ground at the KCG parking lot. The spill was caused by a faulty vent in the fuel tank.	Contaminated material was scrapped and disposed of at the landfarm. The fuel tank vent will be replaced.
Saturday, August 03, 2024 6:30:00 PM	EWTP sludge	0.5L	D-CP1	While recirculating EWTP sludge through the sludge line, an employee noticed that the line leaked at one of the joint.	No remediation was done due to its location (underneath 14 inches pipelines), which made it inaccessible. The spill occurred within the site's water management infrastructures catchment.
Sunday, August 04, 2024 4:00:00 PM	Diesel Fuel	2L	3M Fuel Farm	While fueling an equipment, a worker discovered a pre-existing spill of approx.	Spill pads were deployed to clean-up the spill and disposed of in the appropriate bin.

				2L of diesel at the 3 Million Fuel Farm.	
Wednesday, August 07, 2024 10:00:00 AM	Diesel Fuel	5L	Itivia Refuelling Station	During an inspection at Itivia, a spill was discovered. Investigation revealed that the fuel tank might have been filed to much and it overflowed by the vent, or the fuel expended because of the warm weather.	Spill pads were deployed to clean-up the spill and disposed of in the appropriate bin.
Thursday, August 08, 2024 8:00:00 AM	Diesel Fuel	2L	Behind MSB garage new section	The spill occurred due to a leaking fuel tank on a Toyota.	Spill pads were deployed to clean-up the spill and disposed of in the appropriate bin.
Thursday, August 08, 2024 2:30:00 PM	Hydraulic Oil	15L	TIRI01	A hydaulic oil hose failed on a drill resulting in a 15L 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 in the mill.
Sunday, August 11, 2024 9:30:00 AM	Petroleum products	0.5m3	CP1 snow dump	An employee saw a piece of tarp sticking out of the ground at the CP1 snow dump area. Upon pulling on the tarp, he realized that this tarp has holding oily loose material, probably from a spill clean up. The tarp was probably buried in the snow during the previous winter and during snowplowing activities, the tarp made its way inadvertently to the area.	Contaminated material was placed in the Landfarm A. The tarp was disposed of in a Quatrex bag.
Monday, August 12, 2024 9:00:00 AM	Sewage	20L	MSB lift station	An estimated 20 L of sewage spilled onto the industrial pad at the Multi-Service Building (MSB) lift station. During routine operation of the sewage vacuum truck, the operator was manipulating a transfer hose when they accidentally contacted the pump valve on the truck, inadvertently engaging the pump and resulting in 20 L of	The vacuum truck operator immediately switched the pump valve back into the neutral position, thus stopping the spill. The employee then notified their supervisor as well as the environment department to assess the spill. The sewage impacted area was hand excavated and the recovered material

				sewage being discharged from the hose onto the industrial pad. The spill occurred within the site's water management infrastructure, and as such, no waterbodies were impacted by the spill.	was brought to Landfarm A.
Sunday, August 18, 2024 2:30:00 AM	Diesel Fuel	25L	Portal 2 Gas Boy	25 liters of diesel fuel spilled onto the ground because of a malfunction on a haul truck. A drip tray was used, but by the time the stop button was pressed, the fuel had overflowed the drip tray.	Spill pads were deployed to clean-up the spill and disposed of in the appropriate bin.
Tuesday, August 20, 2024 4:00:00 PM	Waste Oil	400L	Dome #3	A skid steer operator was moving a small bin of equipment when the forks inadvertently contacted a waste oil tote at Dome 3, Portal 1. The forks punctured the tote resulting in a release of 400 L of waste oil.	Employees in the area plugged the hole in the tote to prevent further spillage and deployed spill pads, spill booms, and absorbent to contain spill. A loader was dispatched to excavate the contaminated soil, and the recovered contaminated material was brought to Landfarm A.
Wednesday, August 21, 2024 2:00:00 PM	Diesel Fuel	10L	3 M Fuel farm	After fueling the bus, the operator noticed a leak from the fuel tank resulting in a 5L spill of diesel.	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.
Friday, August 23, 2024 7:39:00 AM	Hydraulic Oil	5L	KCG Maintenance Shop Yard	While the loader operator was transporting an excavator bucket on the forks of the loader, the excavator bucket pin fell out, striking the hydraulic hoses on the loader's quick attach accessory, resulting in damaged hoses and a 5L spill of hydraulic oil from the loader.	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.
Friday, August 23,	Hydraulic Oil	5L	WRSF1	While the fuel truck operator was fueling the excavator, he observed	Spill pads were deployed to clean-up the spill and disposed

2024 7:39:00 AM				hydraulic oil leaking from the boom cylinder.	of in the appropriate bin. Contaminated material was scrapped and disposed of at the Landfarm.
Friday, August 23, 2024 5:30:00 PM	Engine Oil	10L	TIRI01	A worker drove his pickup truck over a rock in the open pit, damaging the oil tank and causing an engine oil spill.	Contaminated material was scrapped and disposed of at the Landfarm.
Sunday, August 25, 2024 11:00:00 PM	Hydraulic Oil	2L	TIRI01	The operator observed a small leak of hydraulic oil coming from a fitting on a drill.	Contaminated material was scrapped and disposed of at the Landfarm.
Friday, August 30, 2024 2:00:00 AM	Hydraulic Oil	2L	AWAR KM 10	A hydraulic oil hose failed on an excavator.	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.
Friday, August 30, 2024 9:00:00 AM	Diesel Fuel	10L	TIRI01	A malfunctioning diesel pump on a haul truck resulted in a 10L spill.	Spill pads were deployed to clean-up the spill and disposed of in the appropriate bin. Contaminated material stayed in the pit ore blast, since it was high grade ore which will be processed at the mill.
Saturday, August 31, 2024 1:30:00 PM	Diesel Fuel	0.20L	Itivia HDD pad	While bringing the crane on the drilling pad at Itivia, the fuel filter on the crane came loose, resulting in the spill.	Spill pads were deployed to clean-up the limited quantity of fuel that was on the platform and disposed of in the appropriate bin.

Appendix – Monitoring Analytical Data

WQ02- Conventional Parameters pH nh 7.54 Turbidity NTU 0.2 Conductivity ms/cm 0.107 Hardness, as CaCO3 mg/L 27.1 Total alkalinity, as CaCO3 mg/L 23 Carbonate, as CaCO3 mg/L 23 Bicarbonate, as CaCO3 mg/L 55 TDS mg/L 55 TDS, calculated mg/L 52 TSS mg/L 1 Total organic carbon mg/L 3.2 WQ03- Major lons WQ04- Najor lons Chloride mg/L 3.2 WQ04- Major lons Wg/L 4.0.00050 Cyanide (free) mg/L 4.0.0020 Cyanide (free) mg/L 4.0.0020 Cyanide (free) mg/L 4.0.0020 Cyanide (WAD) mg/L 4.0.10 Silica mg/L 4.0.10 Silica mg/L 6.7 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) <th>MEL-11</th> <th></th> <th>8/4/2024</th>	MEL-11		8/4/2024
Turbidity NTU 0.2 Conductivity ms/cm 0.107 Hardness, as CaCO3 mg/L 27.1 Total alkalinity, as CaCO3 mg/L 23 Carbonate, as CaCO3 mg/L 23 Bicarbonate, as CaCO3 mg/L 23 TDS mg/L 55 TDS, calculated mg/L 52 TSS mg/L 1 Total organic carbon mg/L 3.2 Dissolved organic carbon mg/L 3.2 WQ03- Major Ions Chloride mg/L 3.2 WQ03- Major Ions Mg/L 4.0.00050 Chloride mg/L 3.2 WQ03- Major Ions Mg/L 4.0.0020 Cyanide (free) mg/L 4.0.0020 Cyanide (free) mg/L 4.0.0020 Cyanide (free) mg/L 4.0.0020 Eluoride mg/L 4.0.10 Silica mg/L 4.0.10 Silica mg/L 4.0.0	WQ02- Conventional Param	eters	
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Conductivity ms/cm 0.107 Hardness, as CaCO3 mg/L 27.1 Total alkalinity, as CaCO3 mg/L 23 Carbonate, as CaCO3 mg/L 23 Bicarbonate, as CaCO3 mg/L 23 TDS mg/L 55 TDS, calculated mg/L 52 TSS mg/L 1 Total organic carbon mg/L 3.2 Dissolved organic carbon mg/L 3.2 WQ03- Major Ions Chloride mg/L 3.2 WQ03- Major Ions Total Cyanide (free) mg/L 4.0.00050 Cyanide (free) mg/L 4.0.00050 Cyanide (free) mg/L <0.00020		units	
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Total alkalinity, as CaCO3 mg/L 23 Carbonate, as CaCO3 mg/L < 1.0	Conductivity	ms/cm	0.107
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Bicarbonate, as CaCO3 mg/L 23 TDS mg/L 55 TDS, calculated mg/L 52 TSS mg/L 1 Total organic carbon mg/L 3.2 Dissolved organic carbon mg/L 3.2 WQ03- Major lons Chloride mg/L 4.0.00050 Chloride mg/L 4.0.0020 Cyanide (free) mg/L 4.0.0020 Cyanide (WAD) mg/L 4.0.0020 Cyanide (WAD) mg/L 4.0.00050 Fluoride mg/L 4.0.00050 Fluoride (WAD) mg/L 4.0.10 Silica mg/L 4.0.10 Sulfate mg/L 6.7 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 4.0.050 Nitrite (as N) mg/L 4.0.010 Nitrite (as N) mg/L 4.0.010 Total	Total alkalinity, as CaCO3	mg/L	23
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TDS, calculated mg/L 52 TSS mg/L 1 Total organic carbon mg/L 3.2 Dissolved organic carbon mg/L 3.2 WQ03- Major lons Chloride mg/L 13 Cyanide mg/L < 0.00050 Cyanide (free) mg/L < 0.00050 Cyanide (WAD) mg/L < 0.00050 Fluoride mg/L < 0.10 Silica mg/L 0.41 Sulfate mg/L 6.7 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L < 0.050 Nitrate (as N) mg/L < 0.010 Total phosphorus mg/L < 0.010 Total phosphorus mg/L < 0.000 Orthophosphate (P) mg/L < 0.000 WQ06- Total Metals Aluminum mg/L 0.0036 Antimony mg/L 0.00081 Barium mg/L 0.00081 Beryllium mg/L 0.00084 Beryllium mg/L 0.000010 Cadmium mg/L 0.000010 Chromium mg/L 0.00001 Copper mg/L 0.000001 Iron mg/L 0.0020 Uron mg/L 0.000001 Iron mg/L 0.0020 Lead mg/L 0.0020 Manganese mg/L 0.00001 Mercury mg/L < 0.00010 Mercury mg/L < 0.00010 Mercury mg/L < 0.00010	Bicarbonate, as CaCO3	mg/L	23
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Total organic carbon mg/L 3.2 Dissolved organic carbon mg/L 3.2 WQ03- Major lons Chloride mg/L 1.3 Cyanide mg/L 1.3 Cyanide (free) mg/L 4.0.00050 Cyanide (WAD) mg/L < 0.0020 Cyanide (WAD) mg/L < 0.0020 Cyanide (WAD) mg/L < 0.010 Silica mg/L < 0.010 Silica mg/L < 0.10 Silica mg/L < 0.050 Silica mg/L 0.050 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L < 0.010 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L < 0.010 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L < 0.010 WQ04- Nutrients and Chlorophyll a <th< td=""><td>TDS, calculated</td><td>mg/L</td><td>52</td></th<>	TDS, calculated	mg/L	52
Dissolved organic carbon mg/L 3.2 WQ03- Major lons Chloride mg/L 1.3 Cyanide mg/L 2.0.00050 Cyanide (WAD) mg/L 2.0.0020 Cyanide (WAD) mg/L 2.0.0050 Fluoride mg/L 2.0.10 Silica mg/L 2.0.10 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 2.0.050 Nitrate (as N) mg/L 2.0.010 WQ04- Nutrients and Chlorophyll a Mg/L 2.0.00 Nitrate (as N) mg/L	TSS	mg/L	1
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Chloride mg/L 13 Cyanide mg/L < 0.00050	Dissolved organic carbon	mg/L	3.2
Cyanide mg/L < 0.00050 Cyanide (free) mg/L < 0.0020	WQ03- Major Ions		
Cyanide (free) mg/L < 0.0020 Cyanide (WAD) mg/L < 0.00050	Chloride	mg/L	13
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Silica mg/L 0.41 Sulfate mg/L 6.7 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L < 0.050	Cyanide (WAD)	mg/L	< 0.00050
Sulfate mg/L 6.7 WQ04- Nutrients and Chlorophyll a mg/L < 0.050 Ammonia Nitrogen (as N) mg/L < 0.010	Fluoride	mg/L	< 0.10
WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L < 0.050	Silica	mg/L	0.41
Ammonia Nitrogen (as N) mg/L < 0.050 Nitrate (as N) mg/L < 0.10	Sulfate	mg/L	6.7
Nitrate (as N) mg/L < 0.10 Nitrite (as N) mg/L < 0.010	WQ04- Nutrients and Chloro	phyll a	
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Orthophosphate (P) mg/L < 0.010 WQ06- Total Metals Manganese Mg/L < 0.0036 Aluminum mg/L 0.00050 Antimony mg/L < 0.00050	Nitrite (as N)	mg/L	< 0.010
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Antimony mg/L < 0.00050 Arsenic mg/L 0.00081 Barium mg/L 0.0084 Beryllium mg/L < 0.00010	WQ06- Total Metals		
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Beryllium mg/L < 0.00010 Cadmium mg/L < 0.000010	Arsenic	mg/L	0.00081
Cadmium mg/L < 0.000010 Chromium mg/L < 0.0010	Barium	mg/L	0.0084
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Iron mg/L 0.029 Lead mg/L < 0.00020 Lithium mg/L < 0.0020 Manganese mg/L 0.0120 Mercury mg/L < 0.00001 Molybdenum mg/L < 0.0010	Chromium		< 0.0010
Lead mg/L < 0.00020 Lithium mg/L < 0.0020	Copper	mg/L	0.00090
Lead mg/L < 0.00020 Lithium mg/L < 0.0020	Iron	mg/L	0.029
Lithium mg/L < 0.0020 Manganese mg/L 0.0120 Mercury mg/L < 0.00001	Lead	+	< 0.00020
Manganese mg/L 0.0120 Mercury mg/L < 0.00001 Molybdenum mg/L < 0.0010	Lithium	+	
Mercury mg/L < 0.00001 Molybdenum mg/L < 0.0010	Manganese	+	0.0120
Molybdenum mg/L < 0.0010		+	
,		+	< 0.0010
	•	mg/L	

Selenium	mg/L	< 0.00010
Silver	mg/L	< 0.000020
Strontium	mg/L	0.0460
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	<u> </u>	
Aluminum	mg/L	< 0.0030
Antimony	mg/L	< 0.00050
Arsenic	mg/L	0.00075
Barium	mg/L	0.0081
Beryllium	mg/L	< 0.00010
Boron	mg/L	< 0.050
Cadmium	mg/L	< 0.000010
Calcium (Dissolved)	mg/L	8.61
Chromium	mg/L	< 0.0010
Copper	mg/L	0.00082
Iron	mg/L	0.0091
Lead	mg/L	< 0.00020
Lithium	mg/L	< 0.0020
Magnesium (Dissolved)	mg/L	1.49
Manganese	mg/L	< 0.0010
Mercury	mg/L	< 0.00001
Molybdenum	mg/L	< 0.0010
Nickel	mg/L	< 0.0010
Potassium (Dissolved)	mg/L	1.03
Selenium	mg/L	< 0.00010
Silver	mg/L	< 0.000020
Sodium (Dissolved)	mg/L	6.51
Strontium	mg/L	0.0460
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	< 0.1
F3 (C16-C34)	mg/L	< 0.2
F4 (C34-C50)	mg/L	< 0.2

MEL-15		8/5/2024
WQ02- Conventional Parame	eters	
рН	pH units	7.78
Turbidity	NTU	0.9
Conductivity	ms/cm	0.149
Hardness, as CaCO3	mg/L	50.8
Total alkalinity, as CaCO3	mg/L	49
Carbonate, as CaCO3	mg/L	< 1.0
Bicarbonate, as CaCO3	mg/L	48
TDS	mg/L	90
TDS, calculated	mg/L	73
TSS	mg/L	2
Total organic carbon	mg/L	4.9
Dissolved organic carbon	mg/L	4.6
WQ03- Major Ions		
Chloride	mg/L	12
Cyanide	mg/L	0.00065
Cyanide (free)	mg/L	< 0.0020
Cyanide (WAD)	mg/L	< 0.00050
Fluoride	mg/L	< 0.10
Silica	mg/L	0.85
Sulfate	mg/L	4.6
WQ04- Nutrients and Chloro	phyll 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	0.33
Total phosphorus	mg/L	< 0.020
Orthophosphate (P)	mg/L	< 0.010
WQ06- Total Metals		
Aluminum	mg/L	0.0048
Antimony	mg/L	< 0.00050
Arsenic	mg/L	0.00210
Barium	mg/L	0.0118
Beryllium	mg/L	< 0.00010

Cadmium	mg/L	< 0.000010
Chromium	mg/L	< 0.0010
Copper	mg/L	0.00057
Iron	mg/L	0.109
Lead	mg/L	< 0.00020
Lithium	mg/L	< 0.0020
Manganese	mg/L	0.0154
Mercury	mg/L	< 0.00001
Molybdenum	mg/L	< 0.0010
Nickel	mg/L	< 0.0010
Selenium	mg/L	< 0.00010
Silver	mg/L	< 0.00020
Strontium	mg/L	0.0787
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	1116/ L	V 0.0030
Aluminum	mg/L	< 0.0030
Antimony	mg/L	< 0.0050
Arsenic	mg/L	0.00179
Barium	mg/L	0.0124
Beryllium	mg/L	< 0.00124
Boron	mg/L	< 0.050
Cadmium	mg/L	< 0.000010
Calcium (Dissolved)	mg/L	18.3
Chromium	mg/L	< 0.0010
Copper	mg/L	0.00063
Iron	mg/L	0.0477
Lead	mg/L	< 0.00020
Lithium	mg/L	< 0.0020
Magnesium (Dissolved)	mg/L	2.21
Manganese	mg/L	0.0033
Mercury	mg/L	< 0.00001
Molybdenum	mg/L	< 0.0010
Nickel	mg/L	< 0.0010
Potassium (Dissolved)	mg/L	1.28
Selenium	mg/L	< 0.00010
Silver	mg/L	< 0.00010
Sodium (Dissolved)	mg/L	6.05
Strontium	mg/L	0.0813
Thallium	mg/L	< 0.00010
Tin		< 0.0050
1111	mg/L	\ U.UU3U

Titanium	mg/L	< 0.0050
Uranium	mg/L	< 0.00010
Vanadium	mg/L	< 0.0050
Zinc	mg/L	< 0.0050

DAEL 4.C		0/5/2024
MEL-16		8/5/2024
WQ02- Conventional Parame	1	
pH	pН	7.80
Totalida	units	1.0
Turbidity	NTU	1.0
Conductivity	ms/cm	0.175
Hardness, as CaCO3	mg/L	51.0
Total alkalinity, as CaCO3	mg/L	46
Carbonate, as CaCO3	mg/L	< 1.0
Bicarbonate, as CaCO3	mg/L	46
TDS	mg/L	135
TDS, calculated	mg/L	84
TSS	mg/L	5
Total organic carbon	mg/L	4.8
Dissolved organic carbon	mg/L	4.7
WQ03- Major Ions	1 ,	2.0
Chloride	mg/L	20
Cyanide	mg/L	0.00076
Cyanide (free)	mg/L	< 0.0020
Cyanide (WAD)	mg/L	0.00090
Fluoride	mg/L	< 0.10
Silica	mg/L	0.34
Sulfate	mg/L	4.8
WQ04- Nutrients and Chloro	1	
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	0.0093
Antimony	mg/L	< 0.00050
Arsenic	mg/L	0.00923
Barium	mg/L	0.0220
Beryllium	mg/L	< 0.00010
Boron	mg/L	< 0.050
Cadmium	mg/L	< 0.000010
Chromium	mg/L	< 0.0010

Iron mg/L 0.136 Lead mg/L < 0.00020	Copper	mg/L	0.00085
Lead mg/L < 0.00020			
Lithium mg/L < 0.0020	Lead	_	< 0.00020
Manganese mg/L 0.0110 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 < 0.000010 Thallium mg/L < 0.0050 Titanium mg/L < 0.0050 Uranium mg/L < 0.0050 Vanadium mg/L < 0.0050 WQO7- Dissolved Metals Mg/L < 0.0050 WQO7- Dissolved Metals Mg/L < 0.0044 Antimony mg/L < 0.0050 Arsenic mg/L < 0.0044 Antimony mg/L < 0.0044 Antimony mg/L < 0.0050 Beryllium mg/L	Lithium		< 0.0020
Mercury mg/L < 0.00001	Manganese	mg/L	0.0110
Molybdenum mg/L < 0.0010			< 0.00001
Nickel mg/L < 0.0010 Selenium mg/L < 0.00010	Molybdenum		< 0.0010
Silver mg/L < 0.000020 Strontium mg/L 0.0872 Thallium mg/L < 0.000010	Nickel		< 0.0010
Silver mg/L < 0.000020 Strontium mg/L 0.0872 Thallium mg/L < 0.000010	Selenium		< 0.00010
Thallium mg/L	Silver	mg/L	< 0.000020
Tiin mg/L < 0.0050 Titanium mg/L < 0.0050	Strontium	mg/L	0.0872
Titanium mg/L < 0.0050 Uranium mg/L < 0.00010	Thallium	mg/L	< 0.000010
Uranium mg/L < 0.00010 Vanadium mg/L < 0.0050	Tin	mg/L	< 0.0050
Uranium mg/L < 0.00010 Vanadium mg/L < 0.0050	Titanium		< 0.0050
Vanadium mg/L < 0.0050 Zinc mg/L < 0.0050	Uranium		< 0.00010
WQ07- Dissolved Metals Aluminum mg/L 0.0044 Antimony mg/L < 0.00050	Vanadium		< 0.0050
Aluminum mg/L 0.0044 Antimony mg/L < 0.00050 Arsenic mg/L 0.00866 Barium mg/L 0.0248 Beryllium mg/L < 0.00010 Boron mg/L < 0.050 Cadmium mg/L < 0.00001 Calcium (Dissolved) mg/L < 0.00010 Chromium mg/L < 0.0010 Copper mg/L 0.00371 Lead mg/L < 0.00020 Lithium mg/L < 0.00020 Magnesium (Dissolved) mg/L < 0.0020 Marganese mg/L < 0.00001 Molybdenum mg/L < 0.00001 Nickel mg/L < 0.0010 Nickel mg/L < 0.00010 Potassium (Dissolved) mg/L < 0.00002 Selenium mg/L < 0.000020 Sodium (Dissolved) mg/L < 0.000020 Sodium (Dissolved) mg/L < 0.000010 Titanium	Zinc	mg/L	< 0.0050
Aluminum mg/L 0.0044 Antimony mg/L < 0.00050 Arsenic mg/L 0.00866 Barium mg/L 0.0248 Beryllium mg/L < 0.00010 Boron mg/L < 0.050 Cadmium mg/L < 0.00001 Calcium (Dissolved) mg/L < 0.00010 Chromium mg/L < 0.0010 Copper mg/L 0.00371 Lead mg/L < 0.00020 Lithium mg/L < 0.00020 Magnesium (Dissolved) mg/L < 0.0020 Marganese mg/L < 0.00001 Molybdenum mg/L < 0.00001 Nickel mg/L < 0.0010 Nickel mg/L < 0.00010 Potassium (Dissolved) mg/L < 0.00002 Selenium mg/L < 0.000020 Sodium (Dissolved) mg/L < 0.000020 Sodium (Dissolved) mg/L < 0.000010 Titanium	WQ07- Dissolved Metals		
Antimony mg/L < 0.00050 Arsenic mg/L 0.00866 Barium mg/L 0.0248 Beryllium mg/L < 0.00010		mg/L	0.0044
Barium mg/L 0.0248 Beryllium mg/L < 0.00010	Antimony		< 0.00050
Beryllium mg/L < 0.00010 Boron mg/L < 0.050	Arsenic	mg/L	0.00866
Boron mg/L < 0.050 Cadmium mg/L < 0.000010	Barium	mg/L	0.0248
Cadmium mg/L < 0.000010 Calcium (Dissolved) mg/L 20.3 Chromium mg/L < 0.0010	Beryllium	mg/L	< 0.00010
Calcium (Dissolved) mg/L 20.3 Chromium mg/L < 0.0010 Copper mg/L 0.00102 Iron mg/L 0.0371 Lead mg/L < 0.00020 Lithium mg/L < 0.0020 Magnesium (Dissolved) mg/L 2.87 Manganese mg/L 0.0037 Mercury mg/L < 0.00001 Molybdenum mg/L < 0.0010 Nickel mg/L < 0.0010 Potassium (Dissolved) mg/L < 0.00010 Selenium mg/L < 0.00010 Silver mg/L < 0.000020 Sodium (Dissolved) mg/L 6.38 Strontium mg/L < 0.000010 Tin mg/L < 0.00050 Titanium mg/L < 0.0050	Boron	mg/L	< 0.050
Chromium mg/L < 0.0010 Copper mg/L 0.00102 Iron mg/L 0.0371 Lead mg/L < 0.00020	Cadmium	mg/L	< 0.000010
Copper mg/L 0.00102 Iron mg/L 0.0371 Lead mg/L < 0.00020	Calcium (Dissolved)	mg/L	20.3
Iron	Chromium	mg/L	< 0.0010
Lead mg/L < 0.00020 Lithium mg/L < 0.0020	Copper	mg/L	0.00102
Lithium mg/L < 0.0020 Magnesium (Dissolved) mg/L 2.87 Manganese mg/L 0.0037 Mercury mg/L < 0.00001	Iron	mg/L	0.0371
Lithium mg/L < 0.0020 Magnesium (Dissolved) mg/L 2.87 Manganese mg/L 0.0037 Mercury mg/L < 0.00001	Lead	mg/L	< 0.00020
Magnesium (Dissolved) mg/L 2.87 Manganese mg/L 0.0037 Mercury mg/L < 0.00001 Molybdenum mg/L < 0.0010 Nickel mg/L < 0.0010 Potassium (Dissolved) mg/L < 0.00010 Selenium mg/L < 0.00010 Silver mg/L < 0.000020 Sodium (Dissolved) mg/L 6.38 Strontium mg/L < 0.0934 Thallium mg/L < 0.000010 Tin mg/L < 0.0050 Titanium mg/L < 0.0050	Lithium		< 0.0020
Mercury mg/L < 0.00001 Molybdenum mg/L < 0.0010	Magnesium (Dissolved)		2.87
Mercury mg/L < 0.00001 Molybdenum mg/L < 0.0010	Manganese	mg/L	0.0037
Nickel mg/L < 0.0010 Potassium (Dissolved) mg/L 1.70 Selenium mg/L < 0.00010	Mercury		< 0.00001
Potassium (Dissolved) mg/L 1.70 Selenium mg/L < 0.00010	Molybdenum	mg/L	< 0.0010
Selenium mg/L < 0.00010 Silver mg/L < 0.000020	Nickel	mg/L	< 0.0010
Silver mg/L < 0.000020 Sodium (Dissolved) mg/L 6.38 Strontium mg/L 0.0934 Thallium mg/L < 0.000010	Potassium (Dissolved)	mg/L	1.70
Sodium (Dissolved) mg/L 6.38 Strontium mg/L 0.0934 Thallium mg/L < 0.00010 Tin mg/L < 0.0050 Titanium mg/L < 0.0050	Selenium	mg/L	< 0.00010
Strontium mg/L 0.0934 Thallium mg/L < 0.00010 Tin mg/L < 0.0050 Titanium mg/L < 0.0050	Silver	mg/L	< 0.000020
Thallium mg/L < 0.000010 Tin mg/L < 0.0050	Sodium (Dissolved)	mg/L	6.38
Tin mg/L < 0.0050 Titanium mg/L < 0.0050	Strontium	mg/L	0.0934
Titanium mg/L < 0.0050	Thallium	mg/L	< 0.000010
<u> </u>	Tin	mg/L	< 0.0050
Uranium mg/L < 0.00010	Titanium	mg/L	< 0.0050
	Uranium	mg/L	< 0.00010

Vanadium	mg/L	< 0.0050
Zinc	mg/L	< 0.0050

MEL-17		8/5/2024
WQ02- Conventional Parame	eters	
рН	рН	7.94
	units	
Turbidity	NTU	0.9
Conductivity	ms/cm	0.453
Hardness, as CaCO3	mg/L	145
Total alkalinity, as CaCO3	mg/L	69
Carbonate, as CaCO3	mg/L	< 1.0
Bicarbonate, as CaCO3	mg/L	69
TDS	mg/L	335
TDS, calculated	mg/L	230
TSS	mg/L	1
Total organic carbon	mg/L	12
Dissolved organic carbon	mg/L	12
WQ03- Major Ions		
Chloride	mg/L	60
Cyanide	mg/L	0.00144
Cyanide (free)	mg/L	< 0.0020
Cyanide (WAD)	mg/L	0.0014
Fluoride	mg/L	< 0.10
Silica	mg/L	1.4
Sulfate	mg/L	45
WQ04- Nutrients and Chloro	phyll 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	0.64
Total phosphorus	mg/L	< 0.020
Orthophosphate (P)	mg/L	< 0.010
WQ06- Total Metals		
Aluminum	mg/L	0.0105
Antimony	mg/L	< 0.00050
Arsenic	mg/L	0.00113
Barium	mg/L	0.0390
Beryllium	mg/L	< 0.00010
Boron	mg/L	< 0.050
Cadmium	mg/L	< 0.000010
Chromium	mg/L	< 0.0010
Copper	mg/L	0.00109
Iron	mg/L	0.136

Lead	mg/L	< 0.00020
Lithium	mg/L	0.0057
Manganese	mg/L	0.0471
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	0.337
Thallium	mg/L	< 0.000010
Tin	mg/L	< 0.0050
Titanium	mg/L	< 0.0050
Uranium	mg/L	0.00016
Vanadium	mg/L	< 0.0050
Zinc	mg/L	< 0.0050
WQ07- Dissolved Metals		
Aluminum	mg/L	< 0.0030
Antimony	mg/L	< 0.00050
Arsenic	mg/L	0.00111
Barium	mg/L	0.0402
Beryllium	mg/L	< 0.00010
Boron	mg/L	< 0.050
Cadmium	mg/L	< 0.000010
Calcium (Dissolved)	mg/L	49.3
Chromium	mg/L	< 0.0010
Copper	mg/L	0.00109
Iron	mg/L	0.0675
Lead	mg/L	< 0.00020
Lithium	mg/L	0.0067
Magnesium (Dissolved)	mg/L	7.72
Manganese	mg/L	0.0335
Mercury	mg/L	< 0.00001
Molybdenum	mg/L	< 0.0010
Nickel	mg/L	0.0017
Potassium (Dissolved)	mg/L	3.70
Selenium	mg/L	< 0.00010
Silver	mg/L	< 0.000020
Sodium (Dissolved)	mg/L	20.5
Strontium	mg/L	0.361
Thallium	mg/L	< 0.000010
Tin	mg/L	< 0.0050
Titanium	mg/L	< 0.0050
Uranium	mg/L	0.00015
Vanadium	mg/L	< 0.0050
Zinc	mg/L	< 0.0050

MEL-18		8/5/2024
WQ02- Conventional Parame	ters	
рН	рН	7.81
	units	
Turbidity	NTU	0.9
Conductivity	ms/cm	0.240
Hardness, as CaCO3	mg/L	73.4
Total alkalinity, as CaCO3	mg/L	54
Carbonate, as CaCO3	mg/L	< 1.0
Bicarbonate, as CaCO3	mg/L	54
TDS	mg/L	165
TDS, calculated	mg/L	120
TSS	mg/L	4
Total organic carbon	mg/L	4.9
Dissolved organic carbon	mg/L	4.6
WQ03- Major Ions		
Chloride	mg/L	32
Cyanide	mg/L	0.00076
Cyanide (free)	mg/L	< 0.0020
Cyanide (WAD)	mg/L	0.00075
Fluoride	mg/L	< 0.10
Silica	mg/L	0.47
Sulfate	mg/L	8.6
WQ04- Nutrients and Chloro	phyll 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	0.34
Total phosphorus	mg/L	< 0.020
Orthophosphate (P)	mg/L	< 0.010
WQ06- Total Metals		
Aluminum	mg/L	0.0056
Antimony	mg/L	< 0.00050
Arsenic	mg/L	0.00379
Barium	mg/L	0.0202
Beryllium	mg/L	< 0.00010
Boron	mg/L	< 0.050
Cadmium	mg/L	< 0.000010
Chromium	mg/L	< 0.0010
Copper	mg/L	0.00069
Iron	mg/L	0.101
Lead	mg/L	< 0.00020
Lithium	mg/L	0.0102

Manganese	mg/L	0.0157
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	0.184
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	0.00321
Barium	mg/L	0.0211
Beryllium	mg/L	< 0.00010
Boron	mg/L	< 0.050
Cadmium	mg/L	< 0.000010
Calcium (Dissolved)	mg/L	28.2
Chromium	mg/L	< 0.0010
Copper	mg/L	0.00085
Iron	mg/L	0.0346
Lead	mg/L	< 0.00020
Lithium	mg/L	0.0103
Magnesium (Dissolved)	mg/L	3.83
Manganese	mg/L	0.0037
Mercury	mg/L	< 0.00001
Molybdenum	mg/L	< 0.0010
Nickel	mg/L	< 0.0010
Potassium (Dissolved)	mg/L	1.81
Selenium	mg/L	< 0.00010
Silver	mg/L	< 0.000020
Sodium (Dissolved)	mg/L	9.09
Strontium	mg/L	0.199
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		8/5/2024
WQ02- Conventional Parame	ters	
рН	рН	7.99
	units	
Turbidity	NTU	1.0
Hardness, as CaCO3	mg/L	747
Total alkalinity, as CaCO3	mg/L	99
TDS	mg/L	2410
TDS, calculated	mg/L	2100
TSS	mg/L	3
WQ03- Major Ions		
Chloride	mg/L	800
Cyanide	mg/L	0.00178
Fluoride	mg/L	0.17
Silica	mg/L	1.2
Sulfate	mg/L	470
WQ04- Nutrients and Chlorop	ohyll a	
Ammonia Nitrogen (as N)	mg/L	0.094
Nitrate (as N)	mg/L	8.29
Nitrite (as N)	mg/L	0.055
Total phosphorus	mg/L	< 0.020
Orthophosphate (P)	mg/L	< 0.010
WQ06- Total Metals		
Aluminum	mg/L	0.0227
Arsenic	mg/L	0.0114
Barium	mg/L	0.0694
Cadmium	mg/L	0.000054
Chromium	mg/L	< 0.0010
Copper	mg/L	0.00411
Iron	mg/L	0.025
Lead	mg/L	< 0.00020
Manganese	mg/L	0.0403
Mercury	mg/L	< 0.00001
Molybdenum	mg/L	0.0034
Nickel	mg/L	0.0355
Selenium	mg/L	0.00106
Silver	mg/L	< 0.000020
Thallium	mg/L	0.000028
Titanium		< 0.0050
Hamum	mg/L	< 0.0050
Zinc	mg/L mg/L	< 0.0050
Zinc		
Zinc WQ07- Dissolved Metals	mg/L	< 0.0050
Zinc WQ07- Dissolved Metals Calcium (Dissolved)	mg/L mg/L	< 0.0050

MEL-20		8/5/2024
WQ02- Conventional Parame	eters	
рН	рН	7.80
	units	
Turbidity	NTU	4.3
Conductivity	ms/cm	9.44
Hardness, as CaCO3	mg/L	1590
Total alkalinity, as CaCO3	mg/L	120
TDS	mg/L	6170
TDS, calculated	mg/L	5600
TSS	mg/L	7
Total organic carbon	mg/L	12
WQ03- Major Ions		
Chloride	mg/L	2200
Cyanide	mg/L	0.00309
Cyanide (free)	mg/L	0.0047
Cyanide (WAD)	mg/L	0.0014
Fluoride	mg/L	0.23
Silica	mg/L	4.4
Sulfate	mg/L	1200
WQ04- Nutrients and Chloro	phyll a	
Ammonia Nitrogen (as N)	mg/L	21
Nitrate (as N)	mg/L	74.7
Nitrite (as N)	mg/L	1.74
Total phosphorus	mg/L	< 0.020
Orthophosphate (P)	mg/L	0.022
WQ06- Total Metals		
Aluminum	mg/L	0.082
Arsenic	mg/L	0.0896
Barium	mg/L	0.0667
Cadmium	mg/L	0.000430
Chromium	mg/L	< 0.0050
Copper	mg/L	0.0077
Iron	mg/L	0.147
Lead	mg/L	0.0035
Manganese	mg/L	1.09
Mercury	mg/L	< 0.00001
Molybdenum	mg/L	0.0121
Nickel	mg/L	0.0921
Selenium	mg/L	0.00673
Silver	mg/L	< 0.00010
Thallium	mg/L	< 0.000050
Titanium	mg/L	< 0.025

Zinc	mg/L	< 0.025
WQ07- Dissolved Metals		
Calcium (Dissolved)	mg/L	402
Magnesium (Dissolved)	mg/L	174
Potassium (Dissolved)	mg/L	72.8
Sodium (Dissolved)	mg/L	1210

WQ02- Conventional Parameters pH pH 8.12 Turbidity NTU 19 Hardness, as CaCO3 mg/L 378 Total alkalinity, as CaCO3 mg/L 1090 TDS mg/L 1090 TDS, calculated mg/L 940 TSS mg/L 17 WQ03- Major Ions Chloride mg/L 300 Cyanide mg/L 0.00193 Fluoride mg/L 0.00193 Fluoride mg/L 0.15 Silica mg/L 0.015 Silica mg/L 0.15 Silica mg/L 0.07 WQ04- Nutrients and Chlorophyll 0.77 Nitrate (as N) mg/L 0.171 Nitrate (as N) mg/L 0.02	MEL-21		8/5/2024
Turbidity NTU 19 Hardness, as CaCO3 mg/L 378 Total alkalinity, as CaCO3 mg/L 97 TDS mg/L 1090 TDS, calculated mg/L 940 TSS mg/L 17 WQ03- Major Ions Chloride mg/L 300 Cyanide mg/L 0.00193 Fluoride mg/L 0.15 Silica mg/L 3.1 Sulfate mg/L 220 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 0.77 Nitrate (as N) mg/L 0.77 Nitrate (as N) mg/L 0.171 Total phosphorus mg/L 0.026 Orthophosphate (P) mg/L <0.010	WQ02- Conventional Parame	eters	
Hardness, as CaCO3	рН	-	8.12
Total alkalinity, as CaCO3 mg/L 97 TDS mg/L 1090 TDS, calculated mg/L 940 TSS mg/L 17 WQ03- Major Ions Chloride mg/L 300 Cyanide mg/L 0.00193 Fluoride mg/L 0.15 Silica mg/L 3.1 Sulfate mg/L 3.1 WQ04- Nutrients and Chlorophyll a Model Nutrients and Chlorophyll a 0.77 Mitrate (as N) mg/L 0.77 Nitrate (as N) mg/L 0.077 Nitrate (as N) mg/L 0.026 Orthophosphorus mg/L 0.026 Orthophosphorus mg/L 0.026 Orthophosphate (P) mg/L 0.0316 Arsenic mg/L 0.0371 Cadmium mg/L 0.0371 Cadmium mg/L 0.00002 Chromium mg/L 0.00300 Iron <t< td=""><td>Turbidity</td><td>NTU</td><td>19</td></t<>	Turbidity	NTU	19
TDS mg/L 1090 TDS, calculated mg/L 940 TSS mg/L 17 WQ03- Major lons Chloride mg/L 300 Cyanide mg/L 0.00193 Fluoride mg/L 0.15 Silica mg/L 3.1 Sulfate mg/L 220 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 0.77 Nitrate (as N) mg/L 0.77 746 Nitrite (as N) mg/L 0.071 746 Nitrite (as N) mg/L 0.026 0.010 Orthophosphorus mg/L 0.026 0.010 WQ06- Total Metals Mg/L 0.0316 Arsenic mg/L 0.0371 0.0371 Cadmium mg/L 0.000022 Chromium mg/L 0.00300 Iron mg/L 0.00300 Iron mg/L 0.00065 Manganese mg/L 0.000	Hardness, as CaCO3	mg/L	378
TDS, calculated mg/L 17 WQ03- Major Ions Chloride mg/L 0.00193 Fluoride mg/L 0.15 Silica mg/L 3.1 Sulfate mg/L 220 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 0.77 Nitrate (as N) mg/L 0.171 Total phosphorus mg/L 0.026 Orthophosphate (P) mg/L 0.026 Orthophosphate (P) mg/L 0.316 Arsenic mg/L 0.0228 Barium mg/L 0.0371 Cadmium mg/L 0.000022 Chromium mg/L 0.00002 Chromium mg/L 0.00300 Iron mg/L 0.0300 Iron mg/L 0.00065 Manganese mg/L 0.138 Mercury mg/L 0.0092 Nickel mg/L 0.0164 Selenium mg/L 0.00101	Total alkalinity, as CaCO3	mg/L	97
TSS mg/L 17 WQ03- Major lons Chloride mg/L 0.00193 Fluoride mg/L 0.15 Silica mg/L 3.1 Sulfate mg/L 220 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 0.77 Nitrate (as N) mg/L 7.46 0.77 Nitrite (as N) mg/L 0.171 0.171 0.026 Orthophosphorus mg/L 0.026 0.010 0.026 0.010 WQ06- Total Metals Mg/L 0.0316 0.0228 0.0316 0.0316 0.0371 0.00228 0.00371 0.000022 0.000022 0.000022 0.000022 0.000002 0.000002 0.00000 <	TDS	mg/L	1090
WQ03- Major lons Chloride mg/L 300 Cyanide mg/L 0.00193 Fluoride mg/L 0.15 Silica mg/L 3.1 Sulfate mg/L 220 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 0.77 Nitrate (as N) mg/L 0.746 Nitrite (as N) mg/L 0.171 Total phosphorus mg/L 0.026 Orthophosphate (P) mg/L < 0.010	TDS, calculated	mg/L	940
Chloride mg/L 300 Cyanide mg/L 0.00193 Fluoride mg/L 0.15 Silica mg/L 3.1 Sulfate mg/L 220 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 0.77 Nitrate (as N) mg/L 0.746 0.171 Nitrite (as N) mg/L 0.171 0.026 Orthophosphorus mg/L 0.026 0.010 WQ06- Total Metals Naluminum mg/L 0.316 Arsenic mg/L 0.0228 0.028 Barium mg/L 0.0371 0.0371 0.000022 Chromium mg/L 0.0010 0.000022 0.0010 0.00300 0.00002 Iron mg/L 0.00300 0.00065 0.00065 0.00065 0.00001 0.0092 0.00164 0.00164 0.00101 0.00101 0.00101 0.00101 0.00101 0.00101 0.00101 0.00101 0.00101 0.00101 0.0010	TSS	mg/L	17
Cyanide mg/L 0.00193 Fluoride mg/L 0.15 Silica mg/L 3.1 Sulfate mg/L 220 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 0.77 Nitrate (as N) mg/L 0.171 Nitrite (as N) mg/L 0.171 Total phosphorus mg/L 0.026 Orthophosphate (P) mg/L < 0.010	WQ03- Major Ions		
Fluoride mg/L 0.15 Silica mg/L 3.1 Sulfate mg/L 220 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 0.77 Nitrate (as N) mg/L 7.46 Nitrite (as N) mg/L 0.171 Total phosphorus mg/L 0.026 Orthophosphate (P) mg/L < 0.010	Chloride	mg/L	300
Silica mg/L 3.1 Sulfate mg/L 220 WQ04- Nutrients and Chlorophyll a	Cyanide	mg/L	0.00193
Sulfate mg/L 220 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 0.77 Nitrate (as N) mg/L 7.46 Nitrite (as N) mg/L 0.171 Total phosphorus mg/L 0.026 Orthophosphate (P) mg/L < 0.010	Fluoride	mg/L	0.15
WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 0.77 Nitrate (as N) mg/L 7.46 Nitrite (as N) mg/L 0.171 Total phosphorus mg/L 0.026 Orthophosphate (P) mg/L < 0.010	Silica	mg/L	3.1
Ammonia Nitrogen (as N) mg/L 0.77 Nitrate (as N) mg/L 7.46 Nitrite (as N) mg/L 0.171 Total phosphorus mg/L 0.026 Orthophosphate (P) mg/L < 0.010	Sulfate	mg/L	220
Nitrate (as N) mg/L 7.46 Nitrite (as N) mg/L 0.171 Total phosphorus mg/L 0.026 Orthophosphate (P) mg/L < 0.010 WQ06- Total Metals Aluminum mg/L 0.316 Arsenic mg/L 0.0228 Barium mg/L 0.0371 Cadmium mg/L 0.000022 Chromium mg/L < 0.0010 Copper mg/L 0.00300 Iron mg/L 0.00065 Manganese mg/L 0.138 Mercury mg/L < 0.00001 Molybdenum mg/L 0.0092 Nickel mg/L 0.0164 Selenium mg/L 0.00101	WQ04- Nutrients and Chloro	phyll a	
Nitrite (as N) mg/L 0.171 Total phosphorus mg/L 0.026 Orthophosphate (P) mg/L < 0.010	Ammonia Nitrogen (as N)	mg/L	0.77
Total phosphorus mg/L 0.026 Orthophosphate (P) mg/L < 0.010 WQ06- Total Metals Aluminum mg/L 0.316 Arsenic mg/L 0.0228 Barium mg/L 0.0371 Cadmium mg/L 0.000022 Chromium mg/L < 0.0010 Copper mg/L 0.0300 Iron mg/L 0.580 Lead mg/L 0.00065 Manganese mg/L 0.138 Mercury mg/L < 0.00001 Molybdenum mg/L 0.0092 Nickel mg/L 0.0164 Selenium mg/L 0.00101	Nitrate (as N)	mg/L	7.46
Orthophosphate (P) mg/L < 0.010 WQ06- Total Metals mg/L 0.316 Arsenic mg/L 0.0228 Barium mg/L 0.0371 Cadmium mg/L 0.000022 Chromium mg/L < 0.0010 Copper mg/L 0.00300 Iron mg/L 0.580 Lead mg/L 0.00065 Manganese mg/L 0.138 Mercury mg/L < 0.00001 Molybdenum mg/L 0.0092 Nickel mg/L 0.00164 Selenium mg/L 0.00101	Nitrite (as N)	mg/L	0.171
WQ06- Total Metals Aluminum mg/L 0.316 Arsenic mg/L 0.0228 Barium mg/L 0.0371 Cadmium mg/L 0.000022 Chromium mg/L <0.0010 Copper mg/L 0.0300 Iron mg/L 0.580 Lead mg/L 0.00065 Manganese mg/L 0.138 Mercury mg/L <0.00001 Molybdenum mg/L 0.0092 Nickel mg/L 0.0164 Selenium mg/L 0.00101	Total phosphorus	mg/L	0.026
Aluminum mg/L 0.316 Arsenic mg/L 0.0228 Barium mg/L 0.0371 Cadmium mg/L 0.000022 Chromium mg/L < 0.0010 Copper mg/L 0.00300 Iron mg/L 0.580 Lead mg/L 0.00065 Manganese mg/L 0.138 Mercury mg/L < 0.00001 Molybdenum mg/L 0.0092 Nickel mg/L 0.0164 Selenium mg/L 0.00101	Orthophosphate (P)	mg/L	< 0.010
Arsenic mg/L 0.0228 Barium mg/L 0.0371 Cadmium mg/L 0.000022 Chromium mg/L < 0.0010 Copper mg/L 0.00300 Iron mg/L 0.580 Lead mg/L 0.00065 Manganese mg/L 0.138 Mercury mg/L < 0.00001 Molybdenum mg/L 0.0092 Nickel mg/L 0.0164 Selenium mg/L 0.00101	WQ06- Total Metals		
Barium mg/L 0.0371 Cadmium mg/L 0.000022 Chromium mg/L < 0.0010 Copper mg/L 0.00300 Iron mg/L 0.580 Lead mg/L 0.00065 Manganese mg/L 0.138 Mercury mg/L < 0.00001 Molybdenum mg/L 0.0092 Nickel mg/L 0.0164 Selenium mg/L 0.00101	Aluminum	mg/L	0.316
Cadmium mg/L 0.000022 Chromium mg/L < 0.0010 Copper mg/L 0.00300 Iron mg/L 0.580 Lead mg/L 0.00065 Manganese mg/L 0.138 Mercury mg/L < 0.00001 Molybdenum mg/L 0.0092 Nickel mg/L 0.0164 Selenium mg/L 0.00101	Arsenic	mg/L	0.0228
Chromium mg/L < 0.0010 Copper mg/L 0.00300 Iron mg/L 0.580 Lead mg/L 0.00065 Manganese mg/L 0.138 Mercury mg/L < 0.00001	Barium	mg/L	0.0371
Copper mg/L 0.00300 Iron mg/L 0.580 Lead mg/L 0.00065 Manganese mg/L 0.138 Mercury mg/L < 0.00001	Cadmium	mg/L	0.000022
Iron mg/L 0.580 Lead mg/L 0.00065 Manganese mg/L 0.138 Mercury mg/L < 0.00001 Molybdenum mg/L 0.0092 Nickel mg/L 0.0164 Selenium mg/L 0.00101	Chromium	mg/L	< 0.0010
Lead mg/L 0.00065 Manganese mg/L 0.138 Mercury mg/L < 0.00001	Copper	mg/L	0.00300
Manganese mg/L 0.138 Mercury mg/L < 0.00001 Molybdenum mg/L 0.0092 Nickel mg/L 0.0164 Selenium mg/L 0.00101	Iron	mg/L	0.580
Mercury mg/L < 0.00001 Molybdenum mg/L 0.0092 Nickel mg/L 0.0164 Selenium mg/L 0.00101	Lead	mg/L	0.00065
Molybdenum mg/L 0.0092 Nickel mg/L 0.0164 Selenium mg/L 0.00101	Manganese	mg/L	0.138
Nickel mg/L 0.0164 Selenium mg/L 0.00101	Mercury	mg/L	< 0.00001
Selenium mg/L 0.00101	Molybdenum	mg/L	0.0092
	Nickel	mg/L	0.0164
Silver mg/L < 0.000020	Selenium	mg/L	0.00101
	Silver	mg/L	< 0.000020

Thallium	mg/L	0.000010
Titanium	mg/L	0.0170
Zinc	mg/L	< 0.0050
WQ07- Dissolved Metals		
Calcium (Dissolved)	mg/L	100
Magnesium (Dissolved)	mg/L	35.8
Potassium (Dissolved)	mg/L	15.5
Sodium (Dissolved)	mg/L	174

WQ02- Conventional Parameters pH pH 7.73 Turbidity NTU 0.6 Hardness, as CaCO3 mg/L 1270 Hardness, as CaCO3- mg/L 1440 Dissolved 1440 1440 Total alkalinity, as CaCO3 mg/L 61 TDS mg/L 5430 TDS, calculated mg/L 4900 TSS mg/L 2 WQ03- Major Ions Chloride mg/L 2400 Cyanide mg/L 0.00150 Fluoride mg/L 0.00150 Fluoride mg/L 0.0015 Sulfate mg/L 4.5 WQ04- Nutrients and Chlorophyll amg/L 0.50	MEL-22		8/5/2024
Units Turbidity	WQ02- Conventional Paramet	ers	
Turbidity NTU 0.6 Hardness, as CaCO3 mg/L 1270 Hardness, as CaCO3-Dissolved mg/L 1440 Total alkalinity, as CaCO3 mg/L 61 TDS mg/L 5430 TDS, calculated mg/L 4900 TSS mg/L 2 WQ03- Major Ions Chloride mg/L 2400 Cyanide mg/L 0.00150 Fluoride mg/L 0.011 Silica mg/L 0.11 Silica mg/L 1.8 Sulfate mg/L 520 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 4.5 Nitrate (as N) mg/L 4.5 Nitrate (as N) mg/L 4.5 Nitrate (as N) mg/L 0.500 Total phosphorus mg/L < 0.020	рН	рН	7.73
Hardness, as CaCO3 mg/L 1270 Hardness, as CaCO3-Dissolved mg/L 1440 Total alkalinity, as CaCO3 mg/L 61 TDS mg/L 5430 TDS, calculated mg/L 4900 TSS mg/L 2 WQ03- Major lons Chloride mg/L 2400 Cyanide mg/L 0.00150 Fluoride mg/L 0.11 Silica mg/L 0.11 Sulfate mg/L 520 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 4.5 Nitrate (as N) mg/L 4.5 Nitrate (as N) mg/L 0.500 Total phosphorus mg/L < 0.020		units	
Hardness, as CaCO3-Dissolved Total alkalinity, as CaCO3 mg/L 5430 TDS mg/L 4900 TSS mg/L 2 WQ03-Major lons Chloride mg/L 0.00150 Fluoride mg/L 520 WQ04-Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 0.500 Total phosphorus mg/L 0.0015 WQ06-Total Metals Arsenic mg/L 0.0015 Arsenic mg/L 0.0015 Chromium mg/L 0.00050 Chromium mg/L 0.0027 Iron mg/L 0.0010 Manganese mg/L 0.0010 Mangan	Turbidity	NTU	0.6
Dissolved Total alkalinity, as CaCO3 mg/L 5430 TDS, calculated mg/L 4900 TSS mg/L 2 WQ03- Major lons Chloride mg/L 0.00150 Fluoride mg/L 1.8 Sulfate mg/L 520 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 1.7.1 Nitrate (as N) mg/L 0.500 Total phosphorus mg/L 0.0020 Orthophosphate (P) mg/L 0.015 WQ06- Total Metals Aluminum mg/L 0.00498 Barium mg/L 0.0050 Chromium mg/L 0.0050 Copper mg/L 0.0010 Manganese mg/L 0.0015	Hardness, as CaCO3	mg/L	1270
Total alkalinity, as CaCO3 mg/L 5430 TDS, calculated mg/L 4900 TSS mg/L 2 WQ03- Major Ions Chloride mg/L 2400 Cyanide mg/L 0.00150 Fluoride mg/L 0.11 Silica mg/L 1.8 Sulfate mg/L 520 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 4.5 Nitrate (as N) mg/L 17.1 Nitrite (as N) mg/L 0.500 Total phosphorus mg/L 0.020 0.010 WQ06- Total Metals Aluminum mg/L < 0.015	1	mg/L	1440
TDS			
TDS, calculated mg/L 4900 TSS mg/L 2 WQ03- Major lons Chloride mg/L 2400 Cyanide mg/L 0.00150 Fluoride mg/L 0.11 Silica mg/L 1.8 Sulfate mg/L 520 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 4.5 Nitrate (as N) mg/L 17.1 Nitrite (as N) mg/L 0.500 Total phosphorus mg/L < 0.020 Orthophosphate (P) mg/L < 0.010 WQ06- Total Metals Aluminum mg/L 0.00498 Barium mg/L 0.009050 Chromium mg/L 0.0027 Iron mg/L 0.0010 Manganese mg/L 0.0010	· ·	mg/L	-
TSS mg/L 2 WQ03- Major Ions Chloride mg/L 2400 Cyanide mg/L 0.00150 Fluoride mg/L 0.11 Silica mg/L 1.8 Sulfate mg/L 520 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 4.5 Nitrate (as N) mg/L 17.1 Nitrite (as N) mg/L 0.500 Total phosphorus mg/L < 0.020 Orthophosphate (P) mg/L < 0.010 WQ06- Total Metals mg/L < 0.015 Arsenic mg/L < 0.00498 Barium mg/L < 0.00498 Barium mg/L < 0.00050 Chromium mg/L < 0.0050 Copper mg/L < 0.0027 Iron mg/L < 0.0010 Manganese mg/L < 0.0010	TDS	mg/L	5430
WQ03- Major lons Chloride mg/L 2400 Cyanide mg/L 0.00150 Fluoride mg/L 0.11 Silica mg/L 1.8 Sulfate mg/L 520 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 4.5 Nitrate (as N) mg/L 17.1 17.1 Nitrite (as N) mg/L 0.500 Total phosphorus mg/L < 0.020	TDS, calculated	mg/L	4900
Chloride mg/L 2400 Cyanide mg/L 0.00150 Fluoride mg/L 0.11 Silica mg/L 1.8 Sulfate mg/L 520 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L Ammonia Nitrogen (as N) mg/L 4.5 Nitrate (as N) mg/L 0.500 Total phosphorus mg/L 0.0020 Orthophosphate (P) mg/L < 0.010	TSS	mg/L	2
Cyanide mg/L 0.00150 Fluoride mg/L 0.11 Silica mg/L 1.8 Sulfate mg/L 520 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 4.5 Nitrate (as N) mg/L 17.1 Nitrite (as N) mg/L 0.500 Total phosphorus mg/L < 0.020	WQ03- Major Ions		
Fluoride mg/L 0.11 Silica mg/L 1.8 Sulfate mg/L 520 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 4.5 Nitrate (as N) mg/L 17.1 Nitrite (as N) mg/L 0.500 Total phosphorus mg/L < 0.020	Chloride	mg/L	2400
Silica mg/L 1.8 Sulfate mg/L 520 WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 4.5 Nitrate (as N) mg/L 17.1 Nitrite (as N) mg/L 0.500 Total phosphorus mg/L < 0.020	Cyanide	mg/L	0.00150
Sulfate mg/L 520 WQ04- Nutrients and Chlorophyll a mg/L 4.5 Ammonia Nitrogen (as N) mg/L 4.5 Nitrate (as N) mg/L 0.500 Total phosphorus mg/L < 0.020	Fluoride	mg/L	0.11
WQ04- Nutrients and Chlorophyll a Ammonia Nitrogen (as N) mg/L 4.5 Nitrate (as N) mg/L 17.1 Nitrite (as N) mg/L 0.500 Total phosphorus mg/L < 0.020	Silica	mg/L	1.8
Ammonia Nitrogen (as N) mg/L 4.5 Nitrate (as N) mg/L 17.1 Nitrite (as N) mg/L 0.500 Total phosphorus mg/L < 0.020	Sulfate	mg/L	520
Nitrate (as N) mg/L 17.1 Nitrite (as N) mg/L 0.500 Total phosphorus mg/L < 0.020	WQ04- Nutrients and Chlorop	hyll a	
Nitrite (as N) mg/L 0.500 Total phosphorus mg/L < 0.020	Ammonia Nitrogen (as N)	mg/L	4.5
Total phosphorus mg/L < 0.020 Orthophosphate (P) mg/L < 0.010	Nitrate (as N)	mg/L	17.1
Orthophosphate (P) mg/L < 0.010 WQ06- Total Metals mg/L < 0.015 Arsenic mg/L 0.00498 Barium mg/L 0.0797 Cadmium mg/L < 0.00050	Nitrite (as N)	mg/L	0.500
WQ06- Total Metals Aluminum mg/L < 0.015	Total phosphorus	mg/L	< 0.020
Aluminum mg/L < 0.015 Arsenic mg/L 0.00498 Barium mg/L 0.0797 Cadmium mg/L < 0.00050	Orthophosphate (P)	mg/L	< 0.010
Arsenic mg/L 0.00498 Barium mg/L 0.0797 Cadmium mg/L < 0.00050	WQ06- Total Metals		
Barium mg/L 0.0797 Cadmium mg/L < 0.000050 Chromium mg/L < 0.0050 Copper mg/L 0.0027 Iron mg/L < 0.050 Lead mg/L < 0.0010 Manganese mg/L 0.104	Aluminum	mg/L	< 0.015
Cadmium mg/L < 0.000050 Chromium mg/L < 0.0050	Arsenic	mg/L	0.00498
Chromium mg/L < 0.0050 Copper mg/L 0.0027 Iron mg/L < 0.050	Barium	mg/L	0.0797
Chromium mg/L < 0.0050 Copper mg/L 0.0027 Iron mg/L < 0.050	Cadmium	mg/L	< 0.000050
Copper mg/L 0.0027 Iron mg/L < 0.050 Lead mg/L < 0.0010 Manganese mg/L 0.104	Chromium	mg/L	< 0.0050
Iron mg/L < 0.050 Lead mg/L < 0.0010	Copper		0.0027
Lead mg/L < 0.0010 Manganese mg/L 0.104	Iron		< 0.050
Manganese mg/L 0.104	Lead		< 0.0010
	Manganese		0.104
			< 0.00001

Molybdenum	mg/L	0.0076
Nickel	mg/L	0.0256
Selenium	mg/L	0.00215
Silver	mg/L	< 0.00010
Thallium	mg/L	< 0.000050
Titanium	mg/L	< 0.025
Zinc	mg/L	< 0.025
WQ07- Dissolved Metals		
Calcium (Dissolved)	mg/L	334
Magnesium (Dissolved)	mg/L	147
Potassium (Dissolved)	mg/L	80.1
Sodium (Dissolved)	mg/L	1260

MEL-23		8/5/2024
WQ02- Conventional Parame	eters	
рН	рН	8.11
	units	
Turbidity	NTU	1.1
Hardness, as CaCO3	mg/L	917
Total alkalinity, as CaCO3	mg/L	150
TDS	mg/L	4200
TDS, calculated	mg/L	3900
TSS	mg/L	5
WQ03- Major Ions		
Chloride	mg/L	1700
Cyanide	mg/L	0.00186
Fluoride	mg/L	0.32
Silica	mg/L	2.1
Sulfate	mg/L	570
WQ04- Nutrients and Chloro	phyll a	
Ammonia Nitrogen (as N)	mg/L	0.69
Nitrate (as N)	mg/L	10.2
Nitrite (as N)	mg/L	0.251
Total phosphorus	mg/L	< 0.020
Orthophosphate (P)	mg/L	< 0.010
WQ06- Total Metals		
Aluminum	mg/L	< 1.8
Arsenic	mg/L	< 0.059
Barium	mg/L	< 0.59
Cadmium	mg/L	< 0.0059
Chromium	mg/L	< 0.59
Copper	mg/L	< 0.29
Iron	mg/L	< 5.9
Lead	mg/L	< 0.12

Manganese	mg/L	< 0.59
Mercury	mg/L	< 0.00001
Molybdenum	mg/L	< 0.59
Nickel	mg/L	< 0.59
Selenium	mg/L	< 0.059
Silver	mg/L	< 0.012
Thallium	mg/L	< 0.0059
Titanium	mg/L	< 2.9
Zinc	mg/L	< 2.9
WQ07- Dissolved Metals		
Calcium (Dissolved)	mg/L	167
Magnesium (Dissolved)	mg/L	159
Potassium (Dissolved)	mg/L	56.2
Sodium (Dissolved)	mg/L	1060

MEL-24		8/1/2024
WQ02- Conventional Parame	ters	
pH	рН	7.45
	units	
Turbidity	NTU	48
Hardness, as CaCO3	mg/L	1190
Total alkalinity, as CaCO3	mg/L	190
TDS	mg/L	3050
TDS, calculated	mg/L	2900
TSS	mg/L	110
WQ03- Major Ions		
Chloride	mg/L	430
Cyanide	mg/L	0.138
Fluoride	mg/L	0.32
Silica	mg/L	27
Sulfate	mg/L	1400
WQ04- Nutrients and Chloro	phyll a	
Ammonia Nitrogen (as N)	mg/L	48
Nitrate (as N)	mg/L	< 0.10
Nitrite (as N)	mg/L	< 0.010
Total phosphorus	mg/L	2.8
Orthophosphate (P)	mg/L	1.4
WQ06- Total Metals		
Aluminum	mg/L	0.615
Arsenic	mg/L	1.17
Barium	mg/L	0.0720
Cadmium	mg/L	0.000205
Chromium	mg/L	0.0067
Copper	mg/L	0.0329

Iron	mg/L	4.14
Lead	mg/L	0.0345
Manganese	mg/L	0.282
Mercury	mg/L	< 0.00010
Molybdenum	mg/L	0.0531
Nickel	mg/L	0.0387
Selenium	mg/L	0.00361
Silver	mg/L	0.00019
Thallium	mg/L	< 0.000050
Titanium	mg/L	< 0.025
Zinc	mg/L	0.443
WQ07- Dissolved Metals		
Calcium (Dissolved)	mg/L	493
Magnesium (Dissolved)	mg/L	27.7
Potassium (Dissolved)	mg/L	94.5
Sodium (Dissolved)	mg/L	335