AGNICO EAGLE
MELIADINE

Meliadine Gold Project
NWB 2AM-MEL1631
June 2021 Monthly Report

Prepared for:
Nunavut Water Board

Prepared by:
Agnico Eagle Mines Limited – Meliadine Division

September 2021

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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 June 2021.

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 Agnico's monthly water usage in June 2021

	Monthly Usage (m^3)
Camp and Mill (MEL-11)	40,517
Dust suppression	0
Total June	**40,517**
Year to date 2021	**223,166**

2.2 DEWATERING ACTIVITIES

No dewatering activities took place in June 2021.

2.3 MELIADINE DISCHARGE

No discharge from the EWTP into Meliadine Lake via the Final Discharge Point (MEL-14) took place in June 2021.

2.4 MELVIN BAY DISCHARGE

No discharge to sea via the Final Discharge Point (MEL-26) took place in June 2021.

2.5 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 in June 2021.

2.6 SEWAGE TREATMENT PLANT

In June 2021, 5,070 m^3 of treated wastewater was discharged into CP1. The majority of the sludge is disposed of in the WRSF.

2.7 CONTAINMENTS

Discharge from the Itivia fuel containment facility (Station Mel-25) occurred on June 20 and 21, 2021. Approximately 5,250 m^3 was discharged through the discharge period.

2.8 MONITORING ANALYTICAL DATA

In June 2021, 16 samples related to the Water Licence were taken. See below the analytical results from these sampling events.

One exceedance occurred in June 2021 at station MEL-SR14 for total suspended solids (TSS). While conducting a routine inspection on June 3rd, 2021, surface runoff water was observed at sampling station MEL-SR14 located on the southwest side of the Bypass Road. Samples were collected for laboratory analysis to assess the TSS concentration and other water quality parameters. Laboratory results were received on June 17th and TSS concentration exceeded the criteria of 100 mg/L, as per the obligations under the Nunavut Water Board License 2AM-MEL1631, Part D, item 18. Given the low flow of the runoff and the closest water body being 125 m away, the runoff did not reach any water body.

MEL-11	**Sample date**	6/20/2021
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.26
Turbidity	**NTU**	0.3
Specific conductivity	**umhos/cm**	100
Hardness, as CaCO3 (T)	**mg/L**	26.2
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	17
TDS	**mg/L**	70
TSS	**mg/L**	< 1
Total organic carbon	**mg/L**	3.7
Dissolved organic carbon	**mg/L**	3.7
Total alkalinity, as CaCO3	**mg/L**	17
WQ03- Major Ions		
Calcium	**mg/L**	7.80
Chloride	**mg/L**	14
Cyanide	**mg/L**	< 0.0050
Cyanide (free)	**mg/L**	0.0018
Cyanide (WAD)	**mg/L**	< 0.0010
Magnesium	**mg/L**	1.55
Potassium	**mg/L**	1.06
Sodium	**mg/L**	6.56
Sulfate	**mg/L**	5.9
Silica	**mg/L**	0.47
WQ04- Nutrients and Chlorophyll a		
Total ammonia-N	**mg/L**	< 0.050
Nitrate	**mg/L**	< 0.10
Nitrite	**mg/L**	< 0.010
Nitrate + nitrite	**mg/L**	< 0.10
Total Kjeldahl nitrogen	**mg/L**	0.25
Total phosphorus	**mg/L**	0.0039

Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0133
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00072
Barium	**mg/L**	0.0094
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00104
Iron	**mg/L**	0.065
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Manganese	**mg/L**	0.0097
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**	0.0468
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
Zirconium	**mg/L**	< 0.00010
WQ07- Dissolved Metals		
Aluminum	**mg/L**	0.0081
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00047
Barium	**mg/L**	0.0092
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00095
Iron	**mg/L**	0.0285
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Manganese	**mg/L**	0.0068
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**	0.0461
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
Zirconium	**mg/L**	< 0.00010
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-12	**Sample date**	6/30/2021
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.54
Turbidity	**NTU**	3.6
Specific conductivity	**umhos/cm**	1500
Hardness, as CaCO3 (T)	**mg/L**	312
TDS	**mg/L**	895
TSS	**mg/L**	12
Total organic carbon	**mg/L**	9.8
Total alkalinity, as CaCO3	**mg/L**	47
WQ03- Major Ions		
Calcium	**mg/L**	89.6
Chloride	**mg/L**	360
Cyanide	**mg/L**	< 0.0050
Fluoride	**mg/L**	0.11
Magnesium	**mg/L**	26.6

Potassium	**mg/L**	12.9
Sodium	**mg/L**	170
Sulfate	**mg/L**	120
WQ04- Nutrients and Chlorophyll a		
Total ammonia-N	**mg/L**	0.29
Nitrate	**mg/L**	5.56
Nitrite	**mg/L**	0.129
Nitrate + nitrite	**mg/L**	5.69
Total phosphorus	**mg/L**	0.091
Orthophosphate (P)	**mg/L**	0.019
WQ06- Total Metals		
Aluminum	**mg/L**	0.360
Arsenic	**mg/L**	0.0353
Barium	**mg/L**	0.0388
Cadmium	**mg/L**	0.000023
Calcium	**mg/L**	85.3
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00384
Iron	**mg/L**	0.627
Lead	**mg/L**	0.00425
Magnesium	**mg/L**	24.1
Manganese	**mg/L**	0.209
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0043
Nickel	**mg/L**	0.0044
Potassium	**mg/L**	12.3
Selenium	**mg/L**	0.00097
Silver	**mg/L**	< 0.000020
Sodium	**mg/L**	153
Thallium	**mg/L**	0.000021
Zinc	**mg/L**	0.0067

MEL-15	**Sample date**	6/20/2021
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.60
Turbidity	**NTU**	0.2
Specific conductivity	**umhos/cm**	100
Hardness, as CaCO3 (T)	**mg/L**	34.1
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	29
TDS	**mg/L**	65

TSS	**mg/L**	1
Total organic carbon	**mg/L**	3.2
Dissolved organic carbon	**mg/L**	3.3
Total alkalinity, as CaCO3	**mg/L**	29
WQ03- Major Ions		
Calcium	**mg/L**	11.5
Chloride	**mg/L**	9.7
Cyanide	**mg/L**	< 0.0050
Cyanide (free)	**mg/L**	0.0018
Cyanide (WAD)	**mg/L**	< 0.0010
Magnesium	**mg/L**	1.31
Potassium	**mg/L**	0.891
Sodium	**mg/L**	4.41
Sulfate	**mg/L**	5.3
Silica	**mg/L**	0.36
WQ04- Nutrients and Chlorophyll a		
Total ammonia-N	**mg/L**	< 0.050
Nitrate	**mg/L**	< 0.10
Nitrite	**mg/L**	< 0.010
Nitrate + nitrite	**mg/L**	< 0.10
Total Kjeldahl nitrogen	**mg/L**	0.11
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0071
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00195
Barium	**mg/L**	0.0114
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00075
Iron	**mg/L**	0.076
Lead	**mg/L**	0.00023
Lithium	**mg/L**	< 0.0020
Manganese	**mg/L**	0.0082
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Selenium	**mg/L**	< 0.00010
Silicon	**mg/L**	0.18
Silver	**mg/L**	< 0.000020

Sodium	**mg/L**	4.39
Strontium	**mg/L**	0.0589
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**	0.0033
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00164
Barium	**mg/L**	0.0114
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00066
Iron	**mg/L**	0.0460
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	< 0.0020
Manganese	**mg/L**	0.0064
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**	0.0587
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	**Sample date**	6/20/2021
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.59
Turbidity	**NTU**	0.4
Specific conductivity	**umhos/cm**	110
Hardness, as CaCO3 (T)	**mg/L**	40.3

Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	29
TDS	**mg/L**	60
TSS	**mg/L**	3
Total organic carbon	**mg/L**	3.1
Dissolved organic carbon	**mg/L**	3.1
Total alkalinity, as CaCO3	**mg/L**	29
WQ03- Major Ions		
Calcium	**mg/L**	12.3
Chloride	**mg/L**	15
Cyanide	**mg/L**	< 0.0050
Cyanide (free)	**mg/L**	0.0018
Cyanide (WAD)	**mg/L**	< 0.0010
Magnesium	**mg/L**	1.77
Potassium	**mg/L**	1.03
Sodium	**mg/L**	3.25
Sulfate	**mg/L**	2.8
Silica	**mg/L**	0.12
WQ04- Nutrients and Chlorophyll a		
Total ammonia-N	**mg/L**	< 0.050
Nitrate	**mg/L**	< 0.10
Nitrite	**mg/L**	< 0.010
Nitrate + nitrite	**mg/L**	< 0.10
Total Kjeldahl nitrogen	**mg/L**	0.14
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0137
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00884
Barium	**mg/L**	0.0232
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00087
Iron	**mg/L**	0.131
Lead	**mg/L**	0.00071
Lithium	**mg/L**	< 0.0020
Manganese	**mg/L**	0.0135
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**	0.0685
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**	0.0041
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00577
Barium	**mg/L**	0.0213
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00076
Iron	**mg/L**	0.0494
Lead	**mg/L**	0.00023
Lithium	**mg/L**	< 0.0020
Manganese	**mg/L**	0.0123
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	< 0.0010
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Strontium	**mg/L**	0.0638
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	Sample date	6/20/2021
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.66
Turbidity	**NTU**	0.7
Specific conductivity	**umhos/cm**	160
Hardness, as CaCO3 (T)	**mg/L**	54.0
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	34
TDS	**mg/L**	110
TSS	**mg/L**	4
Total organic carbon	**mg/L**	5.6
Dissolved organic carbon	**mg/L**	5.9
Total alkalinity, as CaCO3	**mg/L**	34
WQ03- Major Ions		
Calcium	**mg/L**	17.5
Chloride	**mg/L**	20
Cyanide	**mg/L**	< 0.0050
Cyanide (free)	**mg/L**	0.0018
Cyanide (WAD)	**mg/L**	< 0.0010
Magnesium	**mg/L**	2.13
Potassium	**mg/L**	1.47
Sodium	**mg/L**	5.49
Sulfate	**mg/L**	9.5
Silica	**mg/L**	0.72
WQ04- Nutrients and Chlorophyll a		
Total ammonia-N	**mg/L**	< 0.050
Nitrate	**mg/L**	< 0.10
Nitrite	**mg/L**	< 0.010
Nitrate + nitrite	**mg/L**	< 0.10
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**	0.0072
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00089
Barium	**mg/L**	0.0207
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010

Copper	**mg/L**	0.00106
Iron	**mg/L**	0.247
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0033
Manganese	**mg/L**	0.0440
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	0.0013
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Strontium	**mg/L**	0.142
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**	0.0057
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00081
Barium	**mg/L**	0.0203
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00105
Iron	**mg/L**	0.161
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0032
Manganese	**mg/L**	0.0324
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	< 0.0010
Nickel	**mg/L**	0.0014
Selenium	**mg/L**	< 0.00010
Silver	**mg/L**	< 0.000020
Strontium	**mg/L**	0.139
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-18	Sample date	6/20/2021
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.63
Turbidity	**NTU**	0.5
Specific conductivity	**umhos/cm**	130
Hardness, as CaCO3 (T)	**mg/L**	45.7
Carbonate, as CaCO3	**mg/L**	< 1.0
Bicarbonate, as CaCO3	**mg/L**	30
TDS	**mg/L**	100
TSS	**mg/L**	< 1
Total organic carbon	**mg/L**	3.0
Dissolved organic carbon	**mg/L**	3.3
Total alkalinity, as CaCO3	**mg/L**	30
WQ03- Major Ions		
Calcium	**mg/L**	14.7
Chloride	**mg/L**	18
Cyanide	**mg/L**	< 0.0050
Cyanide (free)	**mg/L**	0.0018
Cyanide (WAD)	**mg/L**	< 0.0010
Magnesium	**mg/L**	1.97
Potassium	**mg/L**	1.02
Sodium	**mg/L**	3.95
Sulfate	**mg/L**	4.8
Silica	**mg/L**	0.34
WQ04- Nutrients and Chlorophyll a		
Total ammonia-N	**mg/L**	< 0.050
Nitrate	**mg/L**	< 0.10
Nitrite	**mg/L**	< 0.010
Nitrate + nitrite	**mg/L**	< 0.10
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**	0.0138
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00308
Barium	**mg/L**	0.0166
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010

Copper	**mg/L**	0.00064
Iron	**mg/L**	0.155
Lead	**mg/L**	0.00036
Lithium	**mg/L**	0.0080
Manganese	**mg/L**	0.0275
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**	0.133
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**	0.0166
Antimony	**mg/L**	< 0.00050
Arsenic	**mg/L**	0.00238
Barium	**mg/L**	0.0159
Beryllium	**mg/L**	< 0.00010
Boron	**mg/L**	< 0.050
Cadmium	**mg/L**	< 0.000010
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00062
Iron	**mg/L**	0.113
Lead	**mg/L**	< 0.00020
Lithium	**mg/L**	0.0077
Manganese	**mg/L**	0.0215
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**	0.130
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-20	Sample date	6/20/2021
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.70
Turbidity	**NTU**	32
Hardness, as CaCO3 (T)	**mg/L**	250
TDS	**mg/L**	745
TSS	**mg/L**	40
Total alkalinity, as CaCO3	**mg/L**	76
WQ03- Major Ions		
Calcium	**mg/L**	69.8
Chloride	**mg/L**	240
Cyanide	**mg/L**	0.026
Fluoride	**mg/L**	< 0.10
Magnesium	**mg/L**	15.9
Potassium	**mg/L**	12.3
Sodium	**mg/L**	148
Sulfate	**mg/L**	220
WQ04- Nutrients and Chlorophyll a		
Total ammonia-N	**mg/L**	8.1
Nitrate	**mg/L**	6.97
Nitrite	**mg/L**	0.096
Nitrate + nitrite	**mg/L**	7.07
Total phosphorus	**mg/L**	0.094
Orthophosphate (P)	**mg/L**	0.094
WQ06- Total Metals		
Aluminum	**mg/L**	0.531
Arsenic	**mg/L**	0.447
Barium	**mg/L**	0.0449
Cadmium	**mg/L**	0.000053
Calcium	**mg/L**	72.3
Chromium	**mg/L**	0.0013
Copper	**mg/L**	0.0154
Iron	**mg/L**	1.42
Lead	**mg/L**	0.0196
Magnesium	**mg/L**	16.8
Manganese	**mg/L**	0.268
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0096
Nickel	**mg/L**	0.0145
Potassium	**mg/L**	12.9

Selenium	**mg/L**	0.00830
Silver	**mg/L**	0.000027
Sodium	**mg/L**	154
Thallium	**mg/L**	0.000022
Zinc	**mg/L**	< 0.0050

MEL-21	**Sample date**	6/20/2021
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.78
Turbidity	**NTU**	13
Hardness, as CaCO3 (T)	**mg/L**	248
TDS	**mg/L**	560
TSS	**mg/L**	21
Total alkalinity, as CaCO3	**mg/L**	58
WQ03- Major Ions		
Calcium	**mg/L**	72.1
Chloride	**mg/L**	190
Cyanide	**mg/L**	0.0070
Fluoride	**mg/L**	< 0.10
Magnesium	**mg/L**	14.8
Potassium	**mg/L**	6.53
Sodium	**mg/L**	64.7
Sulfate	**mg/L**	85
WQ04- Nutrients and Chlorophyll a		
Total ammonia-N	**mg/L**	0.57
Nitrate	**mg/L**	0.90
Nitrite	**mg/L**	0.020
Nitrate + nitrite	**mg/L**	0.92
Total phosphorus	**mg/L**	0.032
Orthophosphate (P)	**mg/L**	0.012
WQ06- Total Metals		
Aluminum	**mg/L**	0.364
Arsenic	**mg/L**	0.137
Barium	**mg/L**	0.0415
Cadmium	**mg/L**	0.000040
Calcium	**mg/L**	74.3
Chromium	**mg/L**	< 0.0010
Copper	**mg/L**	0.00687
Iron	**mg/L**	1.02
Lead	**mg/L**	0.0157
Magnesium	**mg/L**	15.2

Manganese	**mg/L**	0.118
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0037
Nickel	**mg/L**	0.0119
Potassium	**mg/L**	6.77
Selenium	**mg/L**	0.00053
Silver	**mg/L**	< 0.000020
Sodium	**mg/L**	65.7
Thallium	**mg/L**	0.000011
Zinc	**mg/L**	< 0.0050

MEL-22	**Sample date**	6/20/2021
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.92
Turbidity	**NTU**	1.2
Hardness, as CaCO3 (T)	**mg/L**	667
TDS	**mg/L**	1910
TSS	**mg/L**	3
Total alkalinity, as CaCO3	**mg/L**	100
WQ03- Major Ions		
Calcium	**mg/L**	173
Chloride	**mg/L**	960
Cyanide	**mg/L**	0.019
Fluoride	**mg/L**	0.13
Magnesium	**mg/L**	56.1
Potassium	**mg/L**	33.4
Sodium	**mg/L**	394
Sulfate	**mg/L**	220
WQ04- Nutrients and Chlorophyll a		
Total ammonia-N	**mg/L**	7.6
Nitrate	**mg/L**	11.4
Nitrite	**mg/L**	0.363
Nitrate + nitrite	**mg/L**	11.8
Total phosphorus	**mg/L**	< 0.020
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		
Aluminum	**mg/L**	0.0316
Arsenic	**mg/L**	0.0119
Barium	**mg/L**	0.0556
Cadmium	**mg/L**	0.000038
Calcium	**mg/L**	174

Chromium	**mg/L**	< 0.0020
Copper	**mg/L**	0.0033
Iron	**mg/L**	0.110
Lead	**mg/L**	0.00070
Magnesium	**mg/L**	56.8
Manganese	**mg/L**	0.285
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0075
Nickel	**mg/L**	0.0195
Potassium	**mg/L**	33.6
Selenium	**mg/L**	0.00046
Silver	**mg/L**	< 0.000040
Sodium	**mg/L**	399
Thallium	**mg/L**	0.000044
Zinc	**mg/L**	< 0.010

MEL-23	**Sample date**	6/20/2021
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.86
Turbidity	**NTU**	33
Hardness, as CaCO3 (T)	**mg/L**	280
TDS	**mg/L**	845
TSS	**mg/L**	41
Total alkalinity, as CaCO3	**mg/L**	65
WQ03- Major Ions		
Calcium	**mg/L**	55.9
Chloride	**mg/L**	300
Cyanide	**mg/L**	0.0073
Fluoride	**mg/L**	< 0.10
Magnesium	**mg/L**	32.2
Potassium	**mg/L**	13.5
Sodium	**mg/L**	159
Sulfate	**mg/L**	180
WQ04- Nutrients and Chlorophyll a		
Total ammonia-N	**mg/L**	2.8
Nitrate	**mg/L**	5.44
Nitrite	**mg/L**	0.033
Nitrate + nitrite	**mg/L**	5.48
Total phosphorus	**mg/L**	0.038
Orthophosphate (P)	**mg/L**	< 0.010
WQ06- Total Metals		

Aluminum	**mg/L**	0.437
Arsenic	**mg/L**	0.00897
Barium	**mg/L**	0.0360
Cadmium	**mg/L**	0.000017
Calcium	**mg/L**	58.4
Chromium	**mg/L**	0.0014
Copper	**mg/L**	0.00259
Iron	**mg/L**	1.13
Lead	**mg/L**	0.00206
Magnesium	**mg/L**	32.6
Manganese	**mg/L**	0.208
Mercury	**mg/L**	< 0.00001
Molybdenum	**mg/L**	0.0045
Nickel	**mg/L**	0.0220
Potassium	**mg/L**	13.7
Selenium	**mg/L**	0.00043
Silver	**mg/L**	< 0.000020
Sodium	**mg/L**	159
Thallium	**mg/L**	< 0.000010
Zinc	**mg/L**	< 0.0050

MEL-25	**Sample date**	6/8/2021
Parameter	**Unit**	
WQ02- Conventional Parameters		
pH	**pH units**	7.46
TSS	**mg/L**	2
WQ04- Nutrients and Chlorophyll a		
Total ammonia-N	**mg/L**	0.095
WQ05- General Organics		
Total oil and grease	**mg/L**	< 0.50
WQ06- Total Metals		
Arsenic	**mg/L**	0.00071
Copper	**mg/L**	0.00167
Lead	**mg/L**	< 0.00020
Nickel	**mg/L**	0.0021
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-SR-1	MEL-SR MAX GRAB (WSEEP/RO)	MEL-SR MAX MEAN (WSEEP/RO)	Sample date	6/8/2021	6/17/2021
			Sample type	N	N
Parameter			Unit	-	-
WQ01- Field Measured					
Turbidity			**NTU**	-	2.95
WQ02- Conventional Parameters					
pH	9.5	9.5	**pH units**	7.85	8.12
Turbidity			**NTU**	9.6	< 0.1
Hardness, as CaCO3 (T)			**mg/L**	130	268
TDS			**mg/L**	245	430
TSS	100	50	**mg/L**	12	1
Total alkalinity, as CaCO3			**mg/L**	86	150
WQ03- Major Ions					
Chloride			**mg/L**	41	120
Cyanide			**mg/L**	< 0.0050	< 0.0050
Fluoride			**mg/L**	< 0.10	0.10
Sulfate			**mg/L**	37	86
WQ04- Nutrients and Chlorophyll a					
Total ammonia-N			**mg/L**	< 0.050	< 0.050
Nitrate			**mg/L**	< 0.10	0.12
Nitrite			**mg/L**	< 0.010	< 0.010
Nitrate + nitrite			**mg/L**	< 0.10	0.12
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**	0.401	0.0480
Arsenic			**mg/L**	0.00260	0.00193
Barium			**mg/L**	0.0249	0.0391
Cadmium			**mg/L**	0.000012	< 0.000010

Calcium			**mg/L**	41.0	83.4
Chromium			**mg/L**	0.0028	< 0.0010
Copper			**mg/L**	0.00465	0.00333
Iron			**mg/L**	0.670	0.109
Lead			**mg/L**	0.00042	< 0.00020
Magnesium			**mg/L**	6.70	14.6
Manganese			**mg/L**	0.0502	0.0124
Mercury			**mg/L**	< 0.00001	< 0.00001
Molybdenum			**mg/L**	0.0011	0.0013
Nickel			**mg/L**	0.0059	0.0087
Potassium			**mg/L**	4.43	8.33
Selenium			**mg/L**	< 0.00010	< 0.00010
Silver			**mg/L**	< 0.000020	< 0.000020
Sodium			**mg/L**	19.6	47.0
Thallium			**mg/L**	0.000016	0.000011
Zinc			**mg/L**	0.0143	0.0167

MEL-SR-7	**MEL-SR MAX GRAB (WSEEP/RO)**	**MEL-SR MAX MEAN (WSEEP/RO)**	**Sample date**	6/3/2021	6/8/2021	6/17/2021
			Sample type	N	N	N
Parameter			**Unit**			
WQ01- Field Measured						
Turbidity				-	-	3.83
WQ02- Conventional Parameters						
pH	9.5	9.5	**pH units**	7.69	7.74	8.06
Turbidity			**NTU**	1.2	11	1.8
Hardness, as CaCO3 (T)			**mg/L**	73.6	83.9	158
TDS			**mg/L**	175	175	320
TSS	100	50	**mg/L**	5	16	1
Total alkalinity, as CaCO3			**mg/L**	56	61	110
WQ03- Major Ions						

Chloride			**mg/L**	25	30	70
Cyanide			**mg/L**	< 0.0050	< 0.0050	< 0.0050
Fluoride			**mg/L**	< 0.10	< 0.10	< 0.10
Sulfate			**mg/L**	24	33	59
WQ04- Nutrients and Chlorophyll a						
Total ammonia-N			**mg/L**	< 0.050	< 0.050	< 0.050
Nitrate			**mg/L**	< 0.10	< 0.10	< 0.10
Nitrite			**mg/L**	< 0.010	< 0.010	< 0.010
Nitrate + nitrite			**mg/L**	< 0.10	< 0.10	< 0.10
Total phosphorus			**mg/L**	0.022	0.034	< 0.020
Orthophosphate (P)			**mg/L**	< 0.010	< 0.010	< 0.010
WQ05- General Organics						
Total oil and grease			**mg/L**	< 0.50	0.60	< 0.50
WQ06- Total Metals						
Aluminum			**mg/L**	0.223	0.521	0.0300
Arsenic			**mg/L**	0.00119	0.00364	0.00298
Barium			**mg/L**	0.0171	0.0192	0.0252
Cadmium			**mg/L**	0.000012	0.000018	0.000012
Calcium			**mg/L**	22.9	25.5	47.9
Chromium			**mg/L**	0.0014	0.0033	< 0.0010
Copper			**mg/L**	0.00330	0.00543	0.00332
Iron			**mg/L**	0.365	0.850	0.145
Lead			**mg/L**	0.00026	0.00056	< 0.00020
Magnesium			**mg/L**	3.98	4.90	9.31
Manganese			**mg/L**	0.0183	0.0204	0.0305
Mercury			**mg/L**	< 0.00001	< 0.00001	< 0.00001
Molybdenum			**mg/L**	< 0.0010	< 0.0010	< 0.0010
Nickel			**mg/L**	0.0026	0.0044	0.0075
Potassium			**mg/L**	3.09	3.39	4.97
Selenium			**mg/L**	< 0.00010	< 0.00010	< 0.00010
Silver			**mg/L**	< 0.000020	< 0.000020	< 0.000020
Sodium			**mg/L**	14.2	17.6	38.8
Thallium			**mg/L**	< 0.000010	0.000014	< 0.000010
Zinc			**mg/L**	0.0093	0.0104	< 0.0050

MEL-SR-7-US	MEL-SR MAX GRAB (WSEEP/RO)	MEL-SR MAX MEAN (WSEEP/RO)	Sample date	6/17/2021
			Sample type	N
Parameter			Unit	
WQ01- Field Measured				
Turbidity			**NTU**	4.12
WQ02- Conventional Parameters				
pH	9.5	9.5	**pH units**	8.03
Turbidity			**NTU**	0.9
Hardness, as CaCO3 (T)			**mg/L**	112
TDS			**mg/L**	240
TSS	100	50	**mg/L**	16
Total alkalinity, as CaCO3			**mg/L**	72
WQ03- Major Ions				
Chloride			**mg/L**	61
Cyanide			**mg/L**	< 0.0050
Fluoride			**mg/L**	0.10
Sulfate			**mg/L**	53
WQ04- Nutrients and Chlorophyll a				
Total ammonia-N			**mg/L**	< 0.050
Nitrate			**mg/L**	0.22
Nitrite			**mg/L**	< 0.010
Nitrate + nitrite			**mg/L**	0.22
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**	0.0739
Arsenic			**mg/L**	0.00250
Barium			**mg/L**	0.0257
Cadmium			**mg/L**	0.000014
Calcium			**mg/L**	33.6
Chromium			**mg/L**	0.0026
Copper			**mg/L**	0.00494
Iron			**mg/L**	0.095
Lead			**mg/L**	< 0.00020
Magnesium			**mg/L**	6.71
Manganese			**mg/L**	0.0036
Mercury			**mg/L**	0.00035
Molybdenum			**mg/L**	0.0016
Nickel			**mg/L**	0.0026
Potassium			**mg/L**	7.12
Selenium			**mg/L**	0.00018

Silver			**mg/L**	< 0.000020
Sodium			**mg/L**	37.1
Thallium			**mg/L**	0.000014
Zinc			**mg/L**	< 0.0050

MEL-SR-13	**MEL-SR MAX GRAB (WSEEP/RO)**	**MEL-SR MAX MEAN (WSEEP/RO)**	**Sample date**	6/8/2021
			Sample type	N
Parameter			**Unit**	
WQ02- Conventional Parameters				
pH	9.5	9.5	**pH units**	7.65
Turbidity			**NTU**	2.6
Hardness, as CaCO3 (T)			**mg/L**	56.8
TDS			**mg/L**	130
TSS	100	50	**mg/L**	10
Total alkalinity, as CaCO3			**mg/L**	45
WQ03- Major Ions				
Chloride			**mg/L**	27
Cyanide			**mg/L**	< 0.0050
Fluoride			**mg/L**	< 0.10
Sulfate			**mg/L**	20
WQ04- Nutrients and Chlorophyll a				
Total ammonia-N			**mg/L**	< 0.050
Nitrate			**mg/L**	< 0.10
Nitrite			**mg/L**	< 0.010
Nitrate + nitrite			**mg/L**	< 0.10
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**	0.138
Arsenic			**mg/L**	0.00061
Barium			**mg/L**	0.0082
Cadmium			**mg/L**	< 0.000010
Calcium			**mg/L**	16.0
Chromium			**mg/L**	0.0011
Copper			**mg/L**	0.00310
Iron			**mg/L**	0.263
Lead			**mg/L**	< 0.00020
Magnesium			**mg/L**	4.09
Manganese			**mg/L**	0.0069
Mercury			**mg/L**	< 0.00001
Molybdenum			**mg/L**	< 0.0010

Nickel			**mg/L**	0.0021
Potassium			**mg/L**	2.38
Selenium			**mg/L**	< 0.00010
Silver			**mg/L**	< 0.000020
Sodium			**mg/L**	17.8
Thallium			**mg/L**	< 0.000010
Zinc			**mg/L**	0.0665

MEL-SR-14	MEL-SR MAX GRAB (WSEEP/RO)	MEL-SR MAX MEAN (WSEEP/RO)	Sample date Sample type	*Monthly Average*	6/3/2021	6/8/2021	6/17/2021
					N	N	N
Parameter			**Unit**		-	-	-
WQ01- Field Measured							
Turbidity			**NTU**	*1.99*	-	-	1.99
WQ02- Conventional Parameters							
pH	9.5	9.5	**pH units**	*7.64*	7.25	7.65	8.02
Turbidity			**NTU**	*18.03*	14	39	1.1
Hardness, as CaCO3 (T)			**mg/L**	*62.90*	30.5	42.2	116
TDS			**mg/L**	*198.33*	90	195	310
TSS	**100**	**50**	**mg/L**	***66.67***	**120**	78	2
Total alkalinity, as CaCO3			**mg/L**	*60.00*	28	52	100
WQ03- Major Ions							
Chloride			**mg/L**	*32.27*	9.8	21	66
Cyanide			**mg/L**	*0.0050*	< 0.0050	< 0.0050	< 0.0050
Fluoride			**mg/L**	*0.13*	< 0.10	0.15	0.15
Sulfate			**mg/L**	*27.87*	< 1.0	7.6	75
WQ04- Nutrients and Chlorophyll a							
Total ammonia-N			**mg/L**	*0.05*	< 0.050	< 0.050	< 0.050
Nitrate			**mg/L**	*0.11*	< 0.10	< 0.10	0.12
Nitrite			**mg/L**	*0.01*	< 0.010	< 0.010	< 0.010
Nitrate + nitrite			**mg/L**	*0.11*	< 0.10	< 0.10	0.12
Total phosphorus			**mg/L**	*0.07*	0.15	0.054	< 0.020
Orthophosphate (P)			**mg/L**	*0.01*	< 0.010	< 0.010	< 0.010
WQ05- General Organics							
Total oil and grease			**mg/L**	*0.50*	< 0.50	< 0.50	< 0.50
WQ06- Total Metals							
Aluminum			**mg/L**	*1.36187*	2.37	1.64	0.0756
Arsenic			**mg/L**	*0.00163*	0.00202	0.00205	0.00082
Barium			**mg/L**	*0.02960*	0.0409	0.0241	0.0238
Cadmium			**mg/L**	*0.00002*	0.000018	0.000022	0.000011
Calcium			**mg/L**	*16.73667*	7.01	10.5	32.7

Chromium			**mg/L**	*0.00707*	0.0098	0.0104	< 0.0010
Copper			**mg/L**	*0.01363*	0.00889	0.0163	0.0157
Iron			**mg/L**	*2.10533*	3.55	2.64	0.126
Lead			**mg/L**	*0.00077*	0.00111	0.00099	< 0.00020
Magnesium			**mg/L**	*5.15667*	3.15	3.89	8.43
Manganese			**mg/L**	*0.03257*	0.0536	0.0415	0.0026
Mercury			**mg/L**	*0.00001*	< 0.00001	< 0.00001	< 0.00001
Molybdenum			**mg/L**	*0.00127*	< 0.0010	0.0014	0.0014
Nickel			**mg/L**	*0.00660*	0.0061	0.0083	0.0054
Potassium			**mg/L**	*3.62333*	2.66	3.19	5.02
Selenium			**mg/L**	*0.00010*	< 0.00010	< 0.00010	0.00011
Silver			**mg/L**	*0.00002*	< 0.000020	< 0.000020	< 0.000020
Sodium			**mg/L**	*33.16667*	8.60	27.7	63.2
Thallium			**mg/L**	*0.00003*	0.000047	0.000029	0.000017
Zinc			**mg/L**	*0.09640*	0.0860	0.0712	0.132

SECTION 3 • MATERIAL MANAGEMENT

3.1 LANDFILL / LANDFARM

The volume of material placed into the landfill is evaluated through periodic surveys. According to the most recent survey done May 5th, 2021 the landfill contained approximately 22,546 m^3 of material.

In June 2021, approximately 2.2 m^2 of contaminated soil was transferred to the Type A Landfarm as a result of spills cleanup.

3.2 ORE

Approximately 141,156 tonnes of ore were processed through the Mill in June 2021.

3.3 WASTE ROCK STORAGE FACILITY

In June 2021, a total of 52,224 tonnes of waste rock was removed in the mine development process. 29,677 tonnes were used as underground dry rockfill.

3.4 TAILINGS

97,998 dry tonnes of filtered tailings were sent to the Tailing Storage Facility in June 2021. 43,158 tonnes of tailings were used for paste underground backfill.

SECTION 4 SPILL MANAGEMENT

4.1 INTERNAL AND REPORTABLE SPILLS

Spills reported internally (9) are listed in the table 4.1 and were managed according to Agnico's spill contingency plan. Spills were contained and cleaned up, contaminated material was disposed of in an appropriate manner, and the clean-up actions were monitored closely by the Environment Department. Three reportable spills occurred in June 2021.

Table 4.1: Summary of Agnico's Spill Reports in June 2021

Date and time of occurrence	If material not listed in dropdown or more details, enter here	Estimated quantity (l)	Exact location of incident	Description of incident	Describe immediate corrective actions
Tuesday, June 01, 2021 10:00:00 AM	Diesel Fuel	20.00	Itivia Laydown, Rankin	The dry break valve on the fuel truck failed, releasing approximately 20 liters of fuel.	The contractor (Sakku) took care of replacing the defective part and of the spill clean-up.
Friday, June 04, 2021 12:00:00 AM	Diesel Fuel	250.00	Exploration Camp Core Shack	On the morning of June 4th, workers noticed the smell of fuel in the exploration camp core shack. A fuel line from an exterior above-ground heating fuel tank had cracked, releasing an estimated 250 L of fuel. Most the fuel migrated under the building, while some of it flowed away from the building onto the gravel driveway area. The supply copper line to a furnace located approximately 10 m away cracked, likely due to the cold conditions and the presence of water in the line.	An estimated 20L of fuel began to migrate away from the building and into the parking area. Absorbent pads were used to collect the contaminated standing liquid and were disposed of into Quatrex hazmat bags. A trench was dug to mitigate further migration of the spill. The decantation room inside the building contains a down slope sump, which began to fill with diesel. A submersible pump was used to periodically pump the diesel and contaminated water into a tote. The entire decantation room was dismantled and cleared of material so that the subfloor could be inspected more thoroughly. Floorboards were removed, revealing a significant amount of ice and diesel contaminated floor

					joists. A heater was used in order to speed up the melting process so that floor joints could be removed. The ice was left to melt and the contaminated water was pumped into totes which will be shipped south as hazmat.

Saturday, June 05, 2021 1:00:00 PM	Grey and Black Water	3,500.00	Wing 12 on Main Camp	On June 5, workers conducting a regular inspection of the camp exterior found that a drainage pipe had separated from the building due to the weight of thawing snow. The pipe flows directly between the bathroom drains of the dorm wing 12, and delivers drain water to the exterior pump/lift station of the wing. Greywater and blackwater from the showers, sinks, and toilets, was released onto the gravel pad beneath the wing. An estimated 3,500L of water would have been released. A follow-up investigation revealed that the pipe hangers on this wing were only temporary, and were never replaced when the wing was installed the previous year. The temporary hangers were unable to support the additional weight of the thawing snow, which led to the breakage.	The initial action was to close out the usage of the Wing 12 bathrooms so until the pipe could be fixed, in order to prevent any more water from being released. The sucker truck was used to recover as much standing liquid and debris from the ground as possible, which was deposited back into the lift station of the main camp to be treated through the Sewage Treatment Plant. The piping was replaced and installed with heavy-duty pipe hangers, heat trace cables and insulation. All of the hangers on the remaining wings were inspected and they were all the correct heavy-duty type.
Sunday, June 13, 2021 9:30:00 AM	Coolant	25.00	KM16 on the AWAR	A coolant hose failed on a tractor.	The equipment was stopped, absorbent pads were used and disposed of according to procedure. Contaminated soil was removed and placed into 5 pails for disposal at Landfarm A.
Monday, June 21, 2021 5:00:00 AM	Engine Oil	0.01	Pump at Drill M21-2935	Engine oil dripped off while refueling of the pump.	Absorbent pads were used and disposed of as hazmat.

Monday, June 21, 2021 11:30:00 AM	Hydraulic Oil	3.00	West of the MSB Building	An oil leak occurred on a crane's hose.	Absorbent pads were used and contaminated soil was removed. Contaminated materials were disposed of as hazmat.
Thursday, June 24, 2021 9:00:00 AM	Petroleum products	65.00	Hazmat storage seacan, KCG yard	A leak occurred on the distribution valve of a 1000L petroleum products Tote while a worker was using the Tote to refuel.	Absorbent pads were used and disposed of as hazmat. Contaminated soil was removed and put into Landfarm A.
Monday, June 28, 2021 2:00:00 AM	Hydraulic Oil	10.00	KCG Crusher OP2	While operating the excavator that is feeding the crusher, an hose failed and some hydraulic oil was spilled on the ground.	Contaminated material was removed and brought to Landfarm A.
Tuesday, June 29, 2021 4:00:00 PM	Water with corrosion inhibitor	8000.00	South end of Arctic corridor	Due to failure of an expansion joint on the heat recovery system, approximately 8 m3 of water containing corrosion inhibitor (Drewgard 4109) spilled in the south end of the Arctic corridor (between the Multi Service Building (MSB) and the process plant), and then leaked to the ground below on the Industrial Pad. The mix of Drewgard to water in the system was estimated to be 11 L of Drewgard to every 1000 L of water.	Sand berms were constructed in order to contain the spilled water in a central area and mitigate further migration until site personnel were able to shut down the system, preventing further release of heat recovery water. Contaminated material was removed with a front-end loader, placed in the Waste Rock Storage Facility 1 (WRSF1) and encapsulated in waste rock. The release occurred due to the failure of an expansion joint in the boiler recirculation system. The cause of the failed component is uncertain and is currently still under investigation. The expansion joint was replaced and the system inspected for leaks.