



WATER LICENCE INSPECTION FORM

☒ Original

☐ Follow-Up Report

Licensee	Licensee Representative
North Arrow Minerals	Michael McMorran
Licence No. / Expiry	Representative's Title
2BE-MPP1924	Geologist
Land / Other Authorizations	Land / Other Authorizations
N2017C0006	
Date of Inspection	Inspector
August 12, 2020	Joseph Monteith
Activities Inspected	
<div><input checked="" type="checkbox"/> Camp<input type="checkbox"/> Drilling<input type="checkbox"/> Mining<input type="checkbox"/> Construction<input type="checkbox"/> Reclamation<input checked="" type="checkbox"/> Fuel Storage</div> <div><input type="checkbox"/> Roads/Hauling<input checked="" type="checkbox"/> Other: seasonal shutdown<input type="checkbox"/> Other:</div>	

Conditions:	A- Acceptable	U-Unacceptable	C-Concern	NI-Not Inspected	NA- Not applicable
PART:				Condition	Observation No.*
A: SCOPE, DEFINITIONS AND ENFORCEMENT					
B: GENERAL CONDITIONS				A	
C: CONDITIONS APPLYING TO SECURITY				NI	
D: CONDITIONS APPLYING TO WATER USE				A	1-4
E: CONDITIONS APPLYING TO WASTE DISPOSAL AND MANAGEMENT				A	5-7
F: CONDITIONS APPLYING TO MODIFICATIONS				NI	
G: CONDITIONS APPLYING TO CONSTRUCTION				NI	
H: CONDITIONS APPLYING TO EMERGENCY RESPONSE AND CONTINGENCY PLANNING				A	8,10
I: CONDITIONS APPLYING TO ABANDONMENT, RECLAMATION AND CLOSURE PLANNING				NA	9
J: CONDITIONS APPLYING TO MONITORING				A	
SCHEDULES				A	
*The observation number corresponds with specific comments provided below.					
Samples taken by Inspector:		Location(s): N66° 09’ 00" , Longitude: W65° 40’ 34"			
<input type="checkbox"/> Yes <input type="checkbox"/> No					

SECTION 1	<input type="checkbox"/> Comments (s. __)	<input type="checkbox"/> Non-Compliance with Act or Licence (s. __)	<input type="checkbox"/> Action Required (s. __)
BACKGROUND <p>North Arrow Minerals Inc.'s (North Arrow or Applicant) Mel Project (Project) is located on the Melville Peninsula, Nunavut, approximately 200 km northeast of the Hamlet of Naujaat and 150 km south of the Hamlet of Hall Beach. The project area sits within the Qikiqtani region of Nunavut, and most of the property is on Inuit Owned Land (IOL), however the camp is set up on Crown Land. It is comprised of 46 mineral claims covering prospective areas resulting from exploration work conducted between 2013 and 2018.</p> <p>The Project activity consists primarily of drilling, till sampling, prospecting and geophysical surveys. Work is conducted during the spring and/or summer months for up to eight weeks at a time. A 12-person exploration camp is constructed on site that was built in July 2018 to support fieldwork, and all programs will be helicopter supported. Drilling-related water source locations have been identified and drilling will only be conducted within North Arrow's mineral claims. Once the locations of water sources are known, they will be provided to the appropriate authorizing NWB as part of the annual report. Supplies, including fuel, will be mobilized through either Hall Beach or Naujaat.</p> Inspector Statement <p>August 12, 2020, a Water License inspection was conducted by Water Resource Officer (WRO) Joseph Monteith at the North Arrow Minerals Melville Peninsula site, Qikiqtani Region, Nunavut, to verify compliance with the terms and conditions of the Water Licence 2BE-MPP1924.</p> General Condition <p>On March 9, 2020 Richard Dwyer emailed WRO Monteith a notification indicating 2BE-MPP1924 had submitted the 2020 Annual Report.</p> <p>On July 2, 2020 Richard Dwyer emailed WRO Monteith a notification indicating 2BE-MPP1924 had submitted the 2020 Annual Report Review. In the review it was reminded that submission of a contact person in charge of the project was still required as per Part H:Item 2</p>			



Water Use

1.

The Permittee is authorized to withdrawal 51m³ per day.
2.

Water Usage Records were up to date and provided at the Waste Water Treatment Facility Meter reading read 130551.2m³(See photo 6).
3.

Water Technician log sheet Flow Meter Readings shows 130551.2m³ before being filtered and 64,433 m³ (See photo 7). Discrepancies in Flow Meter Litre First Reading truck 608 on Monday, June 10, 2019 106729 litres and second reading 106740 litres. 11 litre difference in reading. Same discrepancies for Tuesday, Wednesday, and Thursday. Friday, June 14, 2019 from truck 600 first reading is 107490 no second reading at the time of the inspection. Water meter is in m³. Water meter reads 10754.3 on June 14, 2019 (see photo). Articulation required.
4.

Records show between the months of January and July 2018, the Hamlet of Pangnirtung delivered a total of 28,529m³ (See photo 8).

Waste Disposal and Management

5.

An incinerator was observed on site, with combustible solid waste inside the incinerator, and in drums outside the incinerator (photo).
6.

A sump pit was observed on site, disassembled for seasonal closure (photo)
7.

A couple of latrine pits were observed on site, one capped, and the other in use (photo).

Fuel Cache

8.

A fuel cache was observed on site. An aerial survey showed that all the empty drums were bound together with a winch strap. 8 x drums in secondary containment. (photo12 & 13).

Drill Site

9.

A drill was observed on site. The drill was decommissioned for seasonal shut down due to COVID-19.

Spill Reports

10.

No signs of spills on site at the time of the inspection. No spill reports were found during a search in the spills database.

SECTION 2	<input checked="" type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input checked="" type="checkbox"/> Action Required
The project was in a state of seasonal shutdown due to COVID-19. No major concerns were noted. -Tidy up some of the windblown debris, - fix up secondary containment so the walls are propped up and secured and can contain any product in the event a leak or a spill in secondary containment. - Cover up the drums which contain incinerated material.			
SECTION 3	<input type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input type="checkbox"/> Action Required
Click here to enter text.			

Licensee or Representative	Inspector's Name
	Joseph Monteith
Signature	Signature
Date	Date
	November 28, 2019

CC: Licensing Department, NWB
Justin Hack, Manager of Field Operations, CIRNAC

PHOTO LOG

Date	Camera	Inspector	
August 12, 2020	Nikon Coolpix	Joseph Monteith	2BE-MPP1924
Photo Log #	Location		
Photo 1	Melville Peninsula, Qikiqtani Region, Nunavut		



Description: The North Arrow Minerals camp on the Melville Peninsula. The camp is situated on an esker. 8 weather havens, 3 shacks, a latrine shack, and a couple larger boxes make up the footprint of the camp. A drill shack, at other sites is also part of the North Arrow footprint.

Photo Log #1	Location
Photo 2	Melville Peninsula, Qikiqtani Region, Nunavut



Description: ladder used to climb up and down to the water pump. Pump is packed away for the seasonal closure due to COVID-19.



Photo Log #1

Location

Photo3

Melville Peninsula, Qikiqtani Region, Nunavut



Description: Matrix owned Water Storage Tank - Unknown capacity. Water pump on the ground.

Photo Log #1

Location

Photo 4

Melville Peninsula, Qikiqtani Region, Nunavut



Description: Fish Mesh Screen used at the Withdrawal Point.



Photo Log #1

Location

Photo 5

Melville Peninsula, Qikiqtani Region, Nunavut



Description: Waste stored within the incinerator.

Photo Log #1

Location

Photo 6

Melville Peninsula, Qikiqtani Region, Nunavut



Description: Incinerator waste open, and exposed to the outside elements



Photo Log #1

Location

Photo 7

Melville Peninsula, Qikiqtani Region, Nunavut



Description: latrine, with old latrine pit next to latrine, covered with plywood, and weighed down by a few rocks.

Photo Log #1

Location

Photo 8

Melville Peninsula, Qikiqtani Region, Nunavut



Description: Grey Water Sump Pit. Pipe from building to sump pit disconnected, and migrated a little further downgrade.



Photo Log #1

Photo 9

Location

Melville Peninsula, Qikiqtani Region, Nunavut



Description: wind-blown debris from camp

Photo Log #1

Photo 10

Location

Melville Peninsula, Qikiqtani Region, Nunavut



Description: heating fuel drums installed, and secondary buckets, and pans full. Drum not properly fastened



Photo Log #1

Photo 11

Location

Melville Peninsula, Qikiqtani Region, Nunavut



Description: Buckets of product collapsed, and blown across the campsite.

Photo Log #1

Photo 12

Location

Melville Peninsula, Qikiqtani Region, Nunavut



Description: Fuel cache. 2 x drums bound together using a winch strap. 8 x drums in secondary containment. Drilling equipment.



Photo Log #1

Location

Photo 13

Melville Peninsula, Qikiqtani Region, Nunavut



Description: 2 x drums bound together using a winch strap. 8 x drums in secondary containment. Drilling equipment.

Photo Log #1

Location

Photo 14

Melville Peninsula, Qikiqtani Region, Nunavut



Description: Site of drilling. Drill is decommissioned for seasonal shutdown due to COVID-19