



WATER LICENCE INSPECTION FORM

☒ Original
☐ Follow-Up Report

Licensee 2BB-MEL1424	Licensee Representative Alexandre Gauthier
Licence No. / Expiry July 21st, 2024	Representative's Title Environmental Technician
Land / Other Authorizations IOL	Land / Other Authorizations N2013C0002
Date of Inspection October 8 th , 2015	Inspector WRO C. Wilson
Activities Inspected	
<input checked="" type="checkbox"/> Camp <input type="checkbox"/> Drilling <input type="checkbox"/> Mining <input type="checkbox"/> Construction <input type="checkbox"/> Reclamation <input type="checkbox"/> Fuel Storage	
<input checked="" type="checkbox"/> Roads/Hauling <input checked="" type="checkbox"/> Other: Water Discharge <input type="checkbox"/> Other:	

Conditions:	A - Acceptable		C - Concern		U - Unacceptable		NA – Not Applicable		NI – Not Inspected	
Water Use	Condi tion	Comment	Site Conditions	Condition	Comment	Haz/Mat Management	Condi tion	Comment		
Intake	A	1	Water Management Structures	A	6	Storage	NI	--		
Flow Measure. Device	A	1,2	Culverts / Bridges	NI	--	Spills	A	12		
Source: Meliadine Lake	A	1	Drainage	NI	--	Spill Contingency Plan	A	12		
Water Use: (m ³)	A	1,2	Erosion / Sediment	A	5,14					
Recirculation (y /n)	Y	--	Mitigation Measures	A	14	Administrative				
			Reclamation Activities	NI	--	Records	A	1,2,		
			Materials Storage	NI	--	Reports	A	--		
Waste			Signage	NI	--	Plans	A	--		
Waste Water	A	3,4,5				Notifications	A	11		
Hazardous Waste	--	--	Monitoring			Other				
Solid Waste	--	--	Sample Collection	A	1,8					
			Analysis	A	7					
*The number in the comments field will correspond with specific comments provided below.										
Samples taken by Inspector:			Location(s): MEL-7 “Final Effluent Discharge from the BIODISK treatment system”							
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										

SECTION 1	<input checked="" type="checkbox"/> Comments (s.____)	<input type="checkbox"/> Non-Compliance with Act or Licence (s.____)	<input type="checkbox"/> Action Required (s.____)
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On October 8th, 2015 a regularly scheduled compliance inspection of 2BB-MEL1424 was completed by Aboriginal Affairs and Northern Development Canada’s Water Resource Officer (WRO), Christine Wilson with the assistances of Agnico Eagle Gold Mines Limited’s Environmental Technician, Alexandre Gauthier. The following is a recorded of observations made during the inspection.

Observations

Water Use

1.

One water intake is used from Meliadine Lake for both domestic and industrial purposes (approximately located at 63° 01’ 46.8”N, 92° 10’ 15.6”W). The water is metered and recorded as MEL-1.

2.

Water is trucked to the Portal Area from the Meliadine Lake intake (considered in the MEL-1 totals) for domestic purposes in the office and also industrial uses for the underground operation.

Waste Water

3.

All waste water produced at the Portal Area is trucked to the exploration camp Sewage Treatment Plant (STP).

4.

Two 40’ bionest units have been setup at the exploration camp alongside the current STP. AEM has submitted an amendment seeking approval from the NWB to operate these units. The additional sewage treatment units are needed to accommodate more personal as construction ramps up under the recently issued water licence no. 8BC-MEL1516.

5.

No concerns were noted regarding the STP.

6.

During the last inspection information regarding the surface sump at the top of the Portal ramp that which holds waste water used in the underground exploration was requested. This information was provided to the inspector.

Monitoring

7.

Monitoring station MEL-7 is located outside at the ‘end of pipe’ of the STP just before reaching the rock dissipation channel. This sampling location is not feasible during the winter months therefore to ensure consistency AEM will propose a new location for MEL-7 that captures the intent of the original station.

8.

No concerns were noted with the sampling program.

9.

Monitor station MEL-5 is identified as ‘discharge from fuel containment facilities’. The inspector requested clarity regarding this location.

Administrative

10.

Many activities are occurring onsite; currently AEM holds four water licences with NWB for the Meliadine Project. The scope of work for this licence included camp operation, fuel storage, land-farming and mineral exploration as found in PART A item (1) of the this licence.

11.

10 day notification was received by the inspector when treated water was to be discharged at MEL-6.



Spills

12. No spills have been reported to the 24 hr Spill Line over the course of 2015 at the Meliadine Project.

Construction

13. The camp currently has 135 people onsite for the pre-development of the future mine under the authority of 8BC-MEL1516. A separate water licence inspection report has been prepared for 8BC-MEL1516 (Report No. [2015-KIVCW-020]).
14. Silt curtain are used proximal to water bodies that may be impacted by sediment around site.

SECTION 2 ☐ **Comments (s. __)** ☒ **Non-Compliance with Act or Licence (s.2)** ☐ **Action Required (s. __)**

No non-compliance with the Act or Licence was noted at the time of this writing

SECTION 3 ☐ **Comments (s. __)** ☐ **Non-Compliance with Act or Licence, (s. __)** ☒ **Action Required (s.3)**

- The Inspector requests updated information (e.g.: location and rational) regarding MEL-7 in the October monthly monitoring report.
- The Licensee shall submit a map detailing the sampling locations as described in 2BB-MEL1424.
- The Licensee has committed to a discussion on activities occurring winter 2015/2016 at the Meladine Project. Follow up information will be provided to the Board by the Inspector.

All communication submitted to the Nunavut Water Board are to be directed to the Manager of Licencing pursuant to PART B item (14) (a). The Licensee must ensure acknowledgement of such submission pursuant to PART B item (16).

The Inspector appreciates AEM flexibility and assistance during the scheduling inspection.

Licensee or Representative	Inspector's Name
	WRO C Wilson
Signature	Signature
	Original signed on file
Date	Date
	October 19th, 2015

Office Use Only: Follow-up report to be issued by Inspector ☐ Yes ☒ No

cc. Erik Allain, Manager Field Operations, AANDC
 Jeff Pratt, Environmental Coordinator, AEML