



WATER LICENCE INSPECTION FORM

☒ Original  
☐ Follow-Up Report

Licensee		Licensee Representative	
Agnico Eagle Mines Limited		Martin Archambault	
Licence No. / Expiry		Representative's Title	
2AM-WTP1826		Environmental Coordinator	
Land / Other Authorizations		Land / Other Authorizations	
Date of Inspection		Inspector	
June 15 2019			
Activities Inspected			
<input checked="" type="checkbox"/> Camp	<input type="checkbox"/> Drilling	<input type="checkbox"/> Mining	<input checked="" type="checkbox"/> Construction
<input type="checkbox"/> Roads/Hauling	<input type="checkbox"/> Other:		<input type="checkbox"/> Reclamation
			<input checked="" type="checkbox"/> Fuel Storage
			<input type="checkbox"/> Other:

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 June 14<sup>th</sup> 2019 a Water Licence Inspection was conducted on the Agnico Eagle Mines Ltd. (AEM) Whale Tail project. This Inspection was to ensure compliance with the water licence 2AM-WTP1826 and the Acts; Nunavut Planning and Project Assessment Act (NUPPA), Nunavut Waters and Nunavut Surface Rights Tribunal Act (NWNSTRA), and Arctic Waters Pollution Prevention Act (AWPPA).

**Observations**

The following Waste and Water Management facilities were inspected through the course of this inspection.

- Water Intake Facility
- Waste Rock Storage Facility
- Whale Tail Dyke
- Mammoth Dyke
- Whale Tail Maintenance Shop
- Water Treatment Plant
- The West Bay Well
- Whale Fuel tank farm

**Water Intake Facility**

AEM is actively withdrawing water from Nemo Lake as approved by the Nunavut Water Board. It appears to be in good order and operating as intended however, it was noted that there was no signage indicating the location name. As per the Water License 2AM-WTP1826 *“Part B Item 10 The Licensee shall post signs in the appropriate areas to inform the public of the location of the Water Supply Facilities and the Waste Disposal Facilities. All signs must be in English, Inuktitut and French and shall be located and maintained to the satisfaction of an Inspector”*. The fuel tank for the water intake facility backup generator is in secondary containment however the catchment is full of water with visible sheen and oils (*see photo 1 & 2*). The inspector notified AEM that they are to address this concern and dispose of the waste according to the provisions within the Water license.

**Waste Rock Storage Facility**

The Waste Rock Storage Facility (WRSF) is in operation. The waste rock within the facility appears to be segregated into Potentially Acid Generating (PAG) and Non-Potentially Acid Generating (Non PAG) material. Segregation of the waste rock is predetermined by AEM staff. No concerns related to this activity. (*see photo 3*)

**Waste Rock Storage Facility Dyke**

This Water Management Structure appears to be operating as intended. The inspector was informed that water contained within this facility is planned to be directed to the Water Treatment Plant (WTP) for treatment and then directed to Mammoth Lake for the final deposition. AEM is to ensure all water meets the licence discharge requirements prior to releasing into the environment.

**Whale Tail Dyke**

During the inspection of this Structure it was observed that it appears to be built in two steps with a wider base then the top portion of the dyke. The dyke appears to be working as intended and no signs of seepage were observed. No concerns regarding this water management structure.

**Mammoth Dyke**

During this inspection it was noted that AEM is actively pumping water from the east side of the Mammoth Dyke to Quarry one (1) to ensure the frozen core of the dyke remains frozen. The water pumped to Quarry 1 is then pumped to the Attenuation Pond to settle sediments then again pumped to the WTP and finally discharged to Mammoth Lake after water samples meet discharge requirements. This structure appears to be operating as intended, no sign of seepage was observed.

**Whale Tail Maintenance Shop**

Concerns regarding this facility in the previous inspection report dated April 9<sup>th</sup> 2019 have been addressed. No concerns regarding the deposit of waste related this facility was identified.



Water Treatment Plant

During the inspection of this facility AEM employee Martin Archambault notified the inspector of the facility and that it is currently not in commission. AEM has run a test of the facility and found some minor issues regarding the programming of the equipment. No concerns were identified with this facility.

West Bay Well

The West Bay Well location is northeast of the whale tail dewatering activity. A small building was constructed around the well and a barrel of glycol was found within the building in close proximity of the well. Concerns with ground water contamination are present. The inspector is requesting AEM remove this barrel to ensure no unauthorized spills occur regarding this well.

Whale Tail Fuel Tank Farm

During this inspection period AEM was in the process of constructing the whale tail fuel tank facility. No concerns related to this activity.

SECTION 2

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Comments

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Non-Compliance with Act or Licence

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Action Required

- AEM is to ensure signs are posted at all appropriate areas as stated in the Water Licence 2AM-WTP1826 Part B Item 10 *“The Licensee shall post signs in the appropriate areas to inform the public of the location of the Water Supply Facilities and the Waste Disposal Facilities. All signs must be in English, Inuktitut and French and shall be located and maintained to the satisfaction of an Inspector”*

Licensee or Representative	Inspector’s Name
	Jeremy FRASER
Signature	Signature
Date	Date
	July 26 <sup>th</sup> 2019

Office Use Only:

Follow-up report to be issued by Inspector

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Yes

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No

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



PHOTO LOG

Date	Camera	Inspector	Authorization
June 14 2019	Sony Cyber-shot	Jeremy FRASER	2AM-WTP1826
Photo Log # 1		Location (NAD 83 DD MM SS.SS)	
Photo #1		N	W
			
Description: Nemo Lake Fresh Water Intake and backup generator building. White fuel tank in front of the backup gen set.			

Photo Log # 2		Location (NAD 83 DD MM SS.SS)	
Photo #2		N	W
			
Description: white substance found in water in the secondary containment. Containment catchment appears to be at full capacity.			



Photo Log # 3

Location (NAD 83 DD MM SS.SS)

Photo #3

N

W



Description: Waste Rock Storage Facility