



## Inspection Report

**License #: 2AM-MEA**

**Inspector: A.Keim**

**CIDMS # 522409**

Client	Agnico-Eagle Mines Ltd.		
Mailing Address	#375-555 Burrard Street Two Bentall Centre Vancouver, BC V7X 1M4		
Inspection site location	Meadowbank Gold Project Mine		
Contact name	Stéphane Robert	Title	Environmental Superintendent
Previous Inspection Dates	July 28, 2008	Aug 9, 2009	January 19&20, 2010
	July 21&22 2010	July 5&6 2011	
Inspection start date	March 23& 24 2012		
Region	Kivalliq Region		



Aboriginal Affairs and Northern Development Canada  
P.O. Box 100  
Building 918  
Iqaluit, NU, X0A 0H0

Submitted Via E-Mail  
Our File: 2AM-MEA0813  
Your File: \_\_\_\_\_  
CIDM # 522409

April 13, 2012

Louise Grondin, VP Environment  
Agnico-Eagle Mines Ltd.  
#375-555 Burrard Street  
Two Bentall Centre  
Vancouver, BC V7X 1M4  
Email: [louise.grondin@agnico-eagle.com](mailto:louise.grondin@agnico-eagle.com)

**RE: Water License Inspection – Meadowbank Mine Site March 23/24 2012**

The Water Resources Officer (WRO) appreciates the assistance and cooperation provided by Stéphane Robert, Environmental Superintendent and Mr. Robin Allard, Senior Environmental Technician who accompanied the Inspector during the inspection of the Water License terms and conditions.

The following report is based on observations made at the time of the inspection;

- Fuel Tank Farm (Meadowbank Mine , Nunavut)
- Meadowbank Mine Site, Including;
  - Main Building / Accommodation Trains
  - Water Treatment Facilities (potable)
  - Goose Bay Dyke and Pit ( Activity started this date)
  - Portage Pit
  - North Cell Tailings Pond and Recirculation Intake
  - Hazardous Waste Storage
  - Incinerator and Waste Management Area
  - Spill Reports- sites for clean up confirmation (14)

A review of the terms and conditions of the water license was completed following the individual inspections.

**Fuel Tank Farm: (Mine site)**

- Site was found free of spills and contamination
- A new truck off-loading system in place and in use by Tanker during the Inspection. The new system was designed to prevent spills.
- A liner has been placed under the transfer area
- A log was available for review within the Pump station
- Currently there are 4.9 million litres of P-50 of P-50 fuel in the mine site tank farm and an additional 30.3 million litres of P-50 at the Baker Lake tank farm.

**All Weather Road / Quarry Sites:**

- The All-Weather roadway and quarries were not inspected during this Inspection
- The Licensee carried out soil characterization testing of hydrocarbon contaminated soils in Quarry 6 in 2010. From this it was identified that 1700 Cubic meters of contaminated soils could be moved into the waste dump area located within the waste rock pile and an additional 500 Cubic meters could be moved to Quarry 22 for remediation.
- Contaminated soils at Quarry 5 are to be tested in 2012



- The spill that occurred at KM 22 has been cleaned but monitoring and any required – on-going remediation activities will continue for the remainder of 2012.
- The current Quantity of contaminated soils in Quarry 22 is to be determined and provided to the Inspector.

#### **Meadowbank Mine Site:**

- During period of Inspection it was noted that grey and black water from the mine site continue to be deposited in Teardrop lake (sump 4). Sampling will be conducted at the next Inspection.
- The Licensee started blasting and removal of overburden on the Goose Pit during the period of Inspection. The removal of overburden was on-going during the site visit.
- Potage pit was found active. (4 benches completed) and 17 rock trucks on the road.
- Tailings being deposited in North cell during the Inspection.
- Tailings disposition continues at a rate of approximately 10,000 tonnes per day.
- Noted that since Nov of 2011 There has been no discharge to the environment from any regular mine activity.
- Contractor pad was inspected and found to be in good order with no spills
- Seepage under the East Dyke continues to flow into the Portage Pit. It is unclear if this can be stopped as the level of the flow is below the water line in the lake. Water is currently pumped to attenuation pond at a rate of 1,000 cubic meters per day. The Licensee would like to diverted the water directly back to the lake and an amendment will be submitted to this effect.
- In 2011 the Licensee used 1 million cubic meters of water, The License allows for the use of 700,000. An application for amendment is to be submitted without delay.
- The Mine mill is reclaiming 66% of mine water for recirculation.

#### **Hazardous Waste and Waste Management:**

- Hazardous waste shipping records were not available for review.
- It was noted that 91 sea cans of Hazardous wastes were shipped off site
- 25 sea can of hazardous wastes originated within the Municipality of Baker Lake.
  - 880 Drums of waste oils and unidentified substances
  - 20 tonnes of batteries
- A clean up of the old dump in Baker lake was also undertaken by the Licensee
  - 354 tonnes of steel scrap and;
  - 94 tonnes of tires were shipped off site
- The Incinerator area was found to be in good working order.
- Four other single stage incinerators were also noted adjacent to the Incinerator building. These are only to be used if or when a failure occurs with the main incinerator.
- Sea-can and shipping containers for hazardous wastes were found to be properly labelled and in good order.

#### **Spills:**

During the period of inspection the following spill reports were inspected and closed;

1.	2010-016	200 L Hydraulic oil	North Portage Pit
2.	2010-120	210 L Engine Oil	South Portage Pit
3.	2010-139	210 L Engine Oil	South Portage Pit
4.	2010-166	100 L Engine Oil	Cleaned from Sea can
5.	2010-215	150 L Fuel –P-50	Cleaned from surface and placed in Q 22
6.	2010-342	125 L Engine Oil	South Portage Pit
7.	2010-433	300 L Hydraulic Oil	South Portage Pit
8.	2010- 466	200 L Fuel –P-50	South Portage Pit
9.	2011-283	280 L Fuel /H Oil Mix	TCG Laydown – Cont soil placed in Q 22
10.	2011-353	150 L Used Oil	Soil shipped off site in haz mat shipment 2011



11. 2011-403	250 L Hydraulic Oil	Site cleaned and soil taken to Q 22
12. 2011-421	200 L Fuel P-50	Site cleaned and soil taken to Q 22
13. 2011-436	625 L Used Oil	Soil shipped off site in haz mat shipment 201
14. 2011-463	350 L Hydraulic Oil	Site cleaned and soil taken to Q 22

The above noted spill sites were inspected and the Inspector found the spills have been cleaned up to accepted environmental/regulatory standards and the spilled products and contaminated materials have been appropriately disposed of.

An e-mail to the Spill Line recommending closure of the above noted spill reports will be submitted under separate cover.

**Non-Compliance:** Issues identified during the inspection and/or review of relevant material

**Issues where there is a known or suspected violation of a requirement of the Water License or Act;**

- Quarry sites used as lay containment areas for contaminated soils without the use of secondary containment is not recommended for long term storage and remediation of contaminated soils. In the long term the use of treatment technologies and /or shipment off site of hydrocarbon contaminated soils is required for continued compliance with the legislation.
- The total allowable volume of water as authorized under the current license has been exceeded and must be addressed by the licensee either through an amendment application or reduction in the consumption rate. A plan to address this issue is to be developed prior to the period of the next Inspection.

**The licensee continues to work diligently on compliance with the issued license and has undertaken a number of successful proactive remediation and clean-up projects on site and in the community of Baker Lake.**

**Andrew Keim**  
**Inspector's Name**

**Inspector's Signature**

Cc:  
Phyllis Beaulieu – Manager licensing – Nunavut Water Board



Indian and Northern  
Affairs Canada

Affaires indiennes  
et du Nord Canada

Submitted Via E-Mail

Our File: 2AM-MEA0813

Your File: \_\_\_\_\_

CIDM # 522409

April 17, 2012

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**RE: Water License Inspection – Meadowbank Mine Site March 23 and 24<sup>th</sup>, 2012**

Ms. Grondin,

Please find attached a report on the Water License Inspection conducted March 23<sup>rd</sup> and 24<sup>th</sup>, 2012. Included at the end of the report is a record of observations made during the inspection with respect to issues of Non-compliance or Non-conformity with the issued Water License or the Nunavut Water and Nunavut Surface Rights tribunals Act.

The role of Aboriginal Affairs and Northern Development Canada (AANDC) in issues related to the use of water or deposit of waste in Nunavut is one of compliance monitoring and enforcement.

Our preferred option in all instances is to work with clients by identifying instances of non-compliance, risks to the environment and/ or people, bringing them to the client's attention and ensuring the operator is better able to address these issues and ensure continued compliance with the authorizations and the Act before undertaking more formal enforcement actions.

Should you require more information or clarification please contact the undersigned at the coordinates listed below.

I look forward to working with you and your staff. If you have any questions please do not hesitate to contact our offices here in Iqaluit.

Sincerely,

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