



Water Resources Division
Nunavut Regional Office
Iqaluit, NU
X0A 0H0

NWB File: 2BB-MEL0914
CIDMS #: 533341

June 1, 2012

**Re: 2BB-MEL0914 – Amendment Application - For The Addition Of A
Landfill - Agnico-Eagle Mines Ltd.**

Please be advised that the Water Resources Division of Aboriginal Affairs and Northern Development Canada have completed a review of the above-referenced amendment application that was submitted by Agnico-Eagle Mines Ltd. The Nunavut Water Board (NWB) circulated this application to interested parties for comments on May 1, 2012. All documents related to this application posted on the NWB ftp site were included in my review (see attached Technical Review Memo).

Should you have any questions or comments, please do not hesitate to contact myself by telephone at (867) 975-4282 or by email at Ian.Parsons@aandc-aadnc.gc.ca.

Sincerely,

Original signed by

Ian Parsons
Regional Coordinator



Technical Review Memorandum

To: Phyllis Beaulieu – Manager of Licensing, NWB

From: Ian Parsons – Regional Coordinator, AANDC

**Re: 2BB-MEL0914 – Amendment Application - For The Addition Of A
Landfarm - Agnico-Eagle Mines Ltd.**

Background

The Meliadine Property is currently owned by Agnico-Eagle Mines Ltd. It is a Gold Deposit which is in the advanced exploration phase which Agnico-Eagle hopes to develop into an operating mine. The site is located 25 Km North of Rankin Inlet. Currently an All Weather Access Road (AWAR) is under construction from the Municipality of Rankin Inlet to the mine site. The AWAR will allow for the transportation of large volumes of fuel to the project area in support of on-going advanced exploration activities. Fuel required by project activities is currently being transported by helicopter from Rankin Inlet.

The Meliadine Property currently has facilities to operate an advanced exploration mine site including facilities to accommodate 150-250 personnel. Some of these facilities include accommodation, office, kitchen, core shack, helicopter pad area, sewage treatment, maintenance and dry facilities.

Recommendations/Comments

Application

AANDC recommends that all relevant leases, permits, conformity checks and screenings as well as any other authorizations are in place and proper approvals received before any work commences. AANDC notes that the appropriate approvals from the Nunavut Planning Commission and Nunavut Impact Review Board (Question 7 and 8 in the application answered **No**, however there was no confirmation attached) were not received or available prior to Agnico-Eagle submitting their renewal application.



Landfill Management Plan

AANDC notes that there was limited detail on water management controls for the landfill, although this area is within the Primary Containment Area.

AANDC recommends clarification into the control of water runoff and seepages from the landfill and if this water will be controlled and diverted to a collection area where it will be tested prior to discharge.

AANDC also recommends as a precautionary measure that a full suite of water quality parameters standard for landfills be included in the site run-off monitoring plan, and that glycol be added to monitoring of land farm run-off.

AANDC recommends crushing or cutting into smaller pieces any objects and/or other equipment that may cause voids within the landfill which may result in slumping or depressions to form within the landfill and thus reducing the integrity and effectiveness of the landfill.

AANDC recommends that the proponent be advised that in order to transport hazardous wastes in Nunavut the waste generator must be registered with the Government of Nunavut, Environmental Protection Division and provide the final destination for the hazardous wastes (approved registered facility).

Questionnaire

Sections 3&4: The Containment Area and Water Treatment

The proponent states that effluent (meeting discharge criteria) discharged from the containment area enters what are identified as “polishing ponds” and specifies Lake A8 as the receiving environment. AANDC recommends further clarification that effluent will not be discharged to the “polishing ponds” unless discharge criteria are met.

AANDC also recommends that the proponent clearly demonstrate the boundaries of the containment area and identify which water bodies lay within these boundaries. This is very hard to decipher with the figures provided.

Cc Murray Ball, Manager of Water Resources – AANDC, Nunavut Regional Office
Andrew Keim, A/Manager of Field Operations – AANDC, Nunavut Regional Office