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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYIT
OFFICE DES EAUX DU NUNAVUT

File: 2BB-MEL0914/Amendment

September 10, 2012

Agnico-Eagle Mines Ltd.
C.P 87
765, Chemin de la mine Goldex
Val d'Or, QC J9P 4N9

c/o John Witteman, Consultant
601-2 Street
Canmore, AB T1W 2K2
Email: jwitteman@agnico-eagle.com

RE: 2BB-MEL0914 Type "B" – Amendment No. 4: Construction, Operation and Closure of a Non-hazardous Solid Waste Landfill at the Meliadine Camp.

Dear Mr. Witteman:

Please find attached, Amendment No. 4 to Licence No. 2BB-MEL0914 Type "B" issued to Agnico-Eagle Mines Ltd. (AEM or Licensee) by the Nunavut Water Board (NWB) (**Motion 2012-B1-001**) pursuant to its authority under Article 13 of the *Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in Right of Canada* and the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*. The terms and conditions of the original Licence related to water use and waste disposal remain an integral part of this approval.

The NWB notes that there is a Nunavut Impact Review Board (NIRB) Screening Decision¹, File No.10EA018, which includes new terms and conditions in addition to the original terms and conditions intended to mitigate any potential impact to the environment as per section 12.4.4(a) of the Nunavut Land Claims Agreement. The Nunavut Planning Commission (NPC) provided documentation stating that the proposal conforms to the Keewatin Regional Land Use Plan (KRLUP)².

The Licensee has indicated that there will likely be no effluent discharges and leachate will more likely pond than flow. However, as with other projects involving landfill activities, the Board has included effluent discharge criteria within the Licence amendment, should discharge occur or be required, or runoff from landfill be evidenced as per the Landfill Design and Management Plan. This discharge criteria has been derived from discharge levels developed within the

¹ NIRB Screening Decision dated August 10, 2012.

² NPC Conformity Determinations dated June 6, 2012.

Government of Nunavut *Guideline for Industrial Waste Discharges in Nunavut* (2002), Schedule II.

The NWB reminds the Licensee that under Part B, Item 3 of the Licence, the Licensee shall review as required by changes in project operation, components and/or technology and revise and submit annually to the Board for review, an updated estimate of the Meliadine Lake Gold Project restoration liability. In addition, under Part B, Item 14, the Licensee shall review the Plans referred to in this Licence as required by changes in operation and/or technology, and modify the Plans (Spill Contingency, Abandonment and Restoration, Landfill Design and Management Plans) accordingly, to be submitted in the form of an addendum within the Annual Report. Should significant changes be required to the structure of the plans, a full plan submission should be provided which includes a record of revisions summary table.

The NWB recommends that the Licensee consult the comments received by interested persons³ for additional clarification. This information is attached for your consideration.

Sincerely,



Thomas Kabloona
Nunavut Water Board
Chair

TK/kk/pb

Enclosure: Licence No. **2BB-MEL0914 - Amendment No. 4**
Comments – AANDC, EC

Cc: Distribution – Kivalliq

³ Aboriginal Affairs and Northern Development Canada (AANDC), June 1, 2012; and Environment Canada (EC), June 1, 2012.

LICENCE AMENDMENT No. 4

Licensee:	AGNICO-EAGLE MINES LTD.
Licence No:	2BB-MEL0914 Type “B”
Licence Issued:	July 31, 2009
Amendment No. 1 Issued	June 28, 2010
Amendment No. 2 Issued	July 19, 2010
Amendment No. 3 Issued:	January 6, 2011
Amendment No. 5 Issued	August 20, 2012
Effective Date:	September 7, 2012
Licence Expiry:	July 31, 2014

Pursuant to its authority under Article 13 of the *Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in Right of Canada* and the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*, with respect to an application for amendment dated April 5, 2012, made by Agnico-Eagle Mines Ltd. (AEM), the Board hereby grants the following Licence amendment.

The Licence issued July 31, 2009 with an expiry date of July 31, 2014 shall be amended to include the following terms and conditions, with respect to the use of water and deposit of waste, to allow for the construction, operation and closure of temporary non-hazardous solid waste disposal facility (landfill) at the Meliadine Camp to support the advanced exploration program. The landfill will be for solid, non-hazardous waste – wood, plastic, steel, glass, etc. All liquid waste and hazardous waste will continue to be treated or sent off-site for treatment and disposal. AEM plans to operate this landfill for a maximum of four years.

Procedural History

On April 5, 2012, AEM submitted to the Board an amendment (No. 4) application to allow for the construction, operation and closure of a non-hazardous solid waste disposal facility (Landfill) at the Meliadine Camp near Meliadine Lake. The landfill will be only used to accept solid, nonhazardous waste including untreated wood, plastic, steel, glass, etc.

The No. 4 Amendment application included the following documents as supplementary information:

- *Cover letter, April 5, 2012;*
- *Project Summary in English and Inuktitut;*
- *Public and Regulatory Consultations – 2011;*
- *NIRB Screening Decision Report No. 07EN044, July 3, 2007;*
- *AEM Request Kivalliq Inuit Association to establish temporary landfill at the Exploration Meliadine Gold Project, September 23, 2011;*

- *Kivalliq Inuit Association Amendment Land Use Licence No. KVCL102J168 letter, October 5, 2011;*
- *Supplementary Questionnaire for Advanced Exploration;*
- *Landfill Design and Management Plan, April 2012.*

On May 3, 2012, the Board distributed this application for a thirty (30) day comment period. Before the deadline for comments on June 2, 2012, submissions were received from Aboriginal Affairs and Northern Development Canada (AANDC) and Environment Canada (EC). AANDC expressed some concerns related to the possible run-off and discharge from the landfill and recommended that a full suite of water quality parameters standard for landfills be included in the site run-off monitoring plan. EC expressed no concerns related to the design and management of a landfill, and recommended to reconsider the orientation of landfill to diminish the risk of windblown waste, and to store the hazardous waste within the secondary containment. On June 8, 2012, the AEM provided clarifications with respect to AANDC and EC comments:

LICENCE AMENDMENT No. 4

The Licence shall be amended for the following:

PART A: SCOPE, DEFINITIONS AND ENFORCEMENT

2. Definitions

Insert Item

“Non-Hazardous Waste Landfill” means the facility as described in the report entitled “Meliadine Gold Project Landfill Design and Management Plan” dated April 2012.

PART B: GENERAL CONDITIONS

Amend Item 7(g) to include the Landfill Design and Management Plan, April 2012.

Insert Item 7(o)

a summary of the total estimated volume of solid waste disposed of in the Non-Hazardous Waste Landfill and an updated as-built drawing indicating the progression of fill, required with the updated Plan under Part B, Item 7(g).

PART D: CONDITIONS APPLYING TO WASTE DISPOSAL

Amend Item 4

The Licensee is authorized to dispose of and contain all non-hazardous, solid Wastes at the Meliadine Non-Hazardous Waste Landfill. The Licensee shall limit this disposal to those materials listed as acceptable for disposal, outlined in the “Meliadine Gold Project Landfill Design and Management Plan”, dated April 2012.

Insert Item 23

The Board has approved the Plan entitled “Meliadine Gold Project Landfill Design and Management Plan” dated April 2012.

Insert Item 24

All Effluent discharge from the Non-Hazardous Waste Landfill Monitoring Station MEL-8 shall not exceed the following Effluent quality limits:

Parameter	Maximum Allowable Grab Sample Concentration(mg/L)
Total Arsenic	1.0
Total Barium	1.0
Total Cadmium	0.1
Total Chromium	0.1
Total Copper	1.0

Total Lead	0.05
Total Mercury	0.0006
Total Nickel	1.0
Total Silver	0.1
Total Zinc	0.5
Total Suspended Solids	15.0
Oil and Grease	15.0
The waste discharge shall have a pH of between 6.0 and 9.5	

PART E: CONDITIONS FOR CAMPS, ACCESS INFRASTRUCTURES AND OPERATIONS

Insert Item 9

The Licensee shall provide to the Board for review, for-construction design, plans and drawings of the Landfill at least thirty (30) days prior to commencing construction. These plans and drawings shall be stamped by an Engineer.

Insert Item 10

The Licensee shall, within ninety (90) days of completion of Landfill construction, submit to the Board a Construction Summary Report along with stamped as-built plans and drawings, providing explanation to reflect any deviations from construction drawings taking into account construction and field decisions and how they may affect the performance of Landfill.

PART J: CONDITIONS APPLYING TO THE MONITORING PROGRAM

Amend Item 1 to include Monitoring Station MEL-8:

The Licensee shall maintain Monitoring Stations at the following locations:

Monitoring Program Station Number	Description	Status
MEL-1	Raw water supply intake at Meliadine Lake	Active (Volume cubic metres)
MEL-2	Raw water supply intake at Pump Lake	Active (Volume cubic metres)

MEL-3	Immediately downstream of old greywater sump prior to effluent entering wetland area, when flow is observed	Active
MEL-3a	Immediately downstream of upgraded sump prior to the effluent entering upgraded wetland area, when flow is observed	Active
MEL-4	At a point immediately upstream of the discharge from the wetland area / upgraded wetland area to Meliadine Lake	Active
MEL-5	Point of discharge for the Bermed Fuel Containment Facilities	Active
MEL-6	Point of discharge for the contaminated soil storage	Active
MEL-7	Final Effluent discharge from the BIODISK treatment system	Active
MEL-8	Point of discharge or runoff from the Non-Hazardous Waste Landfill	(New) Active

Insert Item 15

The Licensee shall record the volume of all Effluent discharged from the Landfill at Monitoring Program Station MEL-8.

Insert Item 16

The Licensee shall sample at Monitoring Program Station MEL-8 during period of flows as required by Part D, Item 25.

Insert Item 17

The Licensee shall analyze the samples obtained at Monitoring Program Station MEL-8 for the following parameters:

pH

Total Suspended Solids (TSS)

Oil & Grease

Total Trace metals as determined by a standard ICP Scan (to include at a minimum, the following elements: Al, Ba, Cd, Cr, Cu, Pb, Ni, Se, Sn, Zn); and

Trace Arsenic and Mercury

All remaining terms and conditions of the Licence 2BB-MEL0914 Type ‘B’ dated July 31, 2009, subsequent amendments still apply.

This Licence Amendment No.4 is issued and recorded at Gjoa Haven, NU on September 7, 2012.

Approved by,

A handwritten signature in black ink, appearing to read 'T. Kabloona', written over a horizontal blue line.

Thomas Kabloona
Nunavut Water Board
Chair