



P.O. Box 119
GJOA HAVEN, NU X0B 1J0
TEL: (867) 360-6338
FAX: (867) 360-6369

ᓄᓇᓂᓪ ᐃᓕᓕᓂᓪ ᑲᑎᓴᓪ
NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYIT
OFFICE DES EAUX DU NUNAVUT

File: 2BE-MSX0712/TR/D2

August 14, 2012

Rein Lehari
Silvermet Inc.
8 King Street East, Suite 1700
Toronto, ON M5C 1B5

Email: rlehari@silvermet.ca

**Subject: Licence No. 2BE-MSX0712 “Muskox Project” Kitikmeot Region, Nunavut;
Silvermet Inc.
Request to Carry out Open Burning of Acceptable Materials**

Dear Mr. Lehari,

On May 10, 2010, the Nunavut Water Board (“NWB” or “Board”) received a request from Aurora Geosciences Ltd., on behalf of Silvermet Inc. (Silvermet or Licensee) for open burning of acceptable materials. On May 13, 2012, the NWB distributed the request to interested persons and parties for a thirty (30) day review period. Comments were received from Aboriginal Affairs and Northern Development Canada (AANDC former INAC), Environment Canada (EC) and Kitikmeot Inuit Association (KIA, and from Environment Canada (EC) on or before May 21, 2010. Prior to authorizing this activity, on May 28, 2010, the NWB requested the submission of outstanding items as per the terms and conditions of the licence. The requested outstanding information wasn’t received and the request wasn’t further processed by the Board at that time.

On April 23, 2012 the Licensee re-requested the NWB for open burning of acceptable wood materials. By May 2, 2012 the outstanding additional information was submitted to the Board. With an e-mail dated May 7, 2012 the AANDC Inspector expressed their concerns with respect to the open burning issues associated with this project which the Board thinks could be mitigated giving the amount of wood waste involved.

Upon review of the request, supporting documentation, terms and conditions in original and amended License No. 2BE-MSX0712, and submissions from interested persons and/or parties, the NWB is of the opinion that the proposed activity would not directly or indirectly impact surface and groundwater, which is a requirement under Section 12.1(a), (b) of *the Nunavut Waters and Nunavut Surface Rights Tribunal Act*, and maintain its obligations to adhere to the

terms and conditions in licence. In addition, the Government of Nunavut Department of Environment (GN-DOE) established policy on open burning, the NWB has included as Appendix A, a summary of additional practices for carrying out the activity. The NWB has therefore approved the request under motion No. 2012-05-L01, dated August 14, 2012, for an open burning of untreated and unpainted wood materials to be carried out in summer 2012.

The Licensee is advised of its obligations to comply with all of the terms and conditions in its licence as well as all applicable regulations and established guidelines^{1, 2, 3, 4} which apply to open burning in Nunavut.

Should you have any questions, please feel free to contact the undersigned at 867-360-6338 ext. 30 or k.kharatyan@nunavutwaterboard.org, at your earliest convenience.

Yours truly,

Original signed by:

Karén Kharatyan
Technical Advisor

Cc: Distribution List – Kitikmeot

1 Guidelines for the Planning, Design, Operations and Maintenance of Modified Solid Waste Sites in the NWT, Ferguson Simek
Clark Engineers & Architects, FSC

2 http://www.ccme.ca/assets/pdf/d_and_f_standard_e.pdf

3 <http://www.ec.gc.ca/gdd-mw/default.asp?lang=En&n=F53EDE13-1>

4 <http://www.gov.nu.ca/env/Open%20burning.pdf>

APPENDIX A – PRACTICES FOR OPEN BURNING

The NWB highlights several key items of this approval for carrying out of the activities, which include:

- a. The Licensee follow the Government of Nunavut's policy on the open burning of segregated wastes, and shall not allow the open burning of plastics, wood treated with preservatives, electrical wire, Styrofoam, asbestos or painted wood;
- b. Solid wastes that are conditionally suitable for open burning are paper products, paperboard packaging and untreated wood wastes only;
- c. Wood and other acceptable products will be kept as dry as possible before and during burning;
- d. The size of the burn pile will be minimized, and a "**hot burn**" maintained to create an efficient burn using consistent/constant feed rates to avoid over-feeding and damping the fire;
- e. Burning will only be undertaken during favorable weather conditions (i.e. will not be undertaken during periods of extreme wind or during wet rain conditions);
- f. Fires will be completely extinguished to ensure that any smoldering of material does not persist;
- g. The Burn pits are to be located on appropriate surfaces (bedrock, gravel or sand) and in areas such that impacts to surface water and groundwater drainage do not occur;
- h. The Burn pits are constructed, operated and maintained so that any materials to be disposed of are contained during the process, including ashes;
- i. Any residual waste and ashes be collected and disposed of in an appropriate, approved facility; and
- j. Surface water runoff from the Burn pit areas shall be managed to prevent any direct or indirect flow into a water body and that no additional impacts to water are created.