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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYIT
OFFICE DES EAUX DU NUNAVUT

File No.: 2BE-HAK 0915/TR/D3

May 1, 2012

Robert Prairie
Xstrata Zinc Canada
Director, Ecological Effects Assessment
8801 Transcanadienne, Suite 400
St-Laurent (Montreal), QC H4S 1Z6

E-mail: RPrairie@xstratazinc.ca

**RE: Licence No. 2BE-HAK0915, Type "B", Xstrata Zinc Canada;
Request to Carry out Open Burning of Acceptable Materials.**

Dear Mr. Prairie:

The Nunavut Water Board ("NWB") received on March 9, 2012 a request from Xstrata Zinc Canada to burn, without the use of an incinerator, acceptable materials in accordance with established guidelines^{1, 2, 3, 4}, that apply to open burning in Nunavut. On March 12, 2012 the NWB acknowledged receipt and 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) and Kitikmeot Inuit Association (KIA) on April 11, 2012, and from Environment Canada (EC) on April 12, 2012.

Upon review of the request, supporting documentation, terms and conditions in Licence 2BE-HAK0915, and submissions from interested persons and/or parties, the NWB is satisfied that the activity, as proposed by the Licensee, 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 the licence. In addition, the Government of Nunavut Department of Environment (GN-DOE) established policy on open burning, and 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. 2012-00-L03, dated April 30, 2012.

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>

The Licensee is obligated to comply with all of the terms and conditions in its licence as well as all applicable regulations.

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

Yours truly,

Original signed by:

Karén Kharatyan
Technical Advisor

Cc: Distribution List – Kitikmeot

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 shall 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.