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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File No.: 1BR-KEI1722/D2

July 21, 2017

Greg Wright, M.Sc., Project Manager
Roland Merkosky, P. Eng., Project Principal/Technical Lead
AECOM Canada Ltd.
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**RE: Licence No. 1BR-KEI1722; Type “B”, Request by AECOM Canada on Behalf of
Indigenous and Northern Affairs Canada to Open-Burn Acceptable Materials**

Dear Mr. Wright and Mr. Merkosky:

The Nunavut Water Board (“NWB”) received on June 16, 2017 a written request from AECOM Canada Ltd., on behalf of Indigenous and Northern Affairs Canada (INAC or the Licensee), to carryout controlled, open-burning of acceptable materials (unpainted and untreated wood), at the CAM-E Environmental Site Remediation Project. Information contained in the application, indicates that the proposed activity will be conducted using a suitable vessel and ash generated sampled to ensure that appropriate disposal measures are implement.

Following receipt and an internal preliminary review, the NWB distributed the application on June 19, 2017 for a two-week public review period with the deadline for submissions set for July 3, 2017. Comments regarding INAC’s request were received from Environment and Climate Change Canada (ECCC) on behalf of Indigenous and Northern Affairs Canada (INAC). Based on a detailed review of the Licensee’ request and supporting documentation, the terms and conditions in Licence No. 1BR-KEI1722, and the comments provided by the intervening party, the NWB is satisfied that the activity as proposed by the Licensee is unlikely to directly or indirectly impact surface water and/or groundwater, as required under section 12.1(a) and (b) of *the Nunavut Waters and Nunavut Surface Rights Tribunal Act*. Consequently, the Board has approved, under motions No. 2017-B1-014, INAC’s request to open-burn untreated and unpainted wood materials during the 2017 field period.

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The Licensee is required to notify INAC's Field Operations Division at least ten (10) days prior to conducting open-burning events in accordance with this approval. This notification must include the following information:

- a. Quantity and details of waste to be burned;
- b. Proposed dates of open-burning event(s);
- c. Protocol to be followed for open burning; and
- d. Person(s) responsible for carrying out the open-burning event(s).

The NWB notes that the Licensee has committed to undertaking relevant sampling of the waste generated from the approved activity; however, additional sampling activities may be requested by an Inspector. Additionally, the Licensee is reminded 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} pertaining to open-burning of acceptable materials in Nunavut.

The NWB has included, as Appendix A, a summary of additional practices for carrying out the approved activity. The Licensee is encouraged to follow best practices for open-burning as well those detailed in Appendix A. A report of open-burning event(s) and related clean-up activities, including photos of the site, must be included as part of the respective year's Annual Report under Part B, Item 2 of the Licence of Licence 1BR-KEI1722.

Should you have any questions, please feel free to contact the NWB Licensing Department at licensing@nwb-oen.ca.

Yours truly,

Thomas Kabloona
Nunavut Water Board, Chair

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 CCME Canada-Wide Standards for Dioxins and Furans: http://www.ccme.ca/assets/pdf/d_and_f_standard_e.pdf

³ EC Technical Document for Batch Waste Incineration: <http://www.ec.gc.ca/gdd-mw/default.asp?lang=En&n=F53EDE13-1>

⁴ GN DOE Environmental Guideline for the Burning and Incineration of Solid Waste: <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 shall follow the Government of Nunavut's policy for 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 shall be kept as dry as possible before and during burning;
- d. The size of the burn pile should 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 must only be undertaken during favorable weather conditions (i.e. Shall not be undertaken during periods of extreme wind or during wet rain conditions);
- f. Fires must be completely extinguished to ensure that smoldering of material does not persist;
- g. Burning practices shall minimize the scorching of the ground;
- h. Burning practices shall minimize impacts to surface or groundwater;
- i. Burning shall only occur within a confined area (e.g. within a cage or a ventilated burn box);
- j. Any residual waste and/or ashes shall be collected and disposed of after every burn at an appropriately approved facility; and
- k. Surface water runoff from the burn pit areas shall be managed to prevent any direct or indirect flow into surface or ground water to ensure that no additional impacts to water created.