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NUNAVUT WATER BOARD  
NUNAVUT IMALIRIYIN KATIMAYINGI  
OFFICE DES EAUX DU NUNAVUT

File: 3BM-RAN0207

December 14, 2009

Mr. Paul Waye  
Senior Administrative Officer  
Hamlet of Rankin Inlet, NU  
X0C 0G0  
By Email: [sao@rankininlet.ca](mailto:sao@rankininlet.ca)

**Subject: Renewal Application for Water Licence NWB3RAN0207**

Dear Mr. Waye,

The Nunavut Water Board (NWB or Board) distributed the above-cited water licence renewal application for solid waste disposal to interested parties for review on July 30, 2009. Comments have been submitted by Indian and Northern Affairs Canada, Environment Canada (INAC), Government of Nunavut Department of Environment, and Department of Culture, Language, Elders and Youth. The comments are available on the NWB's ftp site at the following link:

<ftp://nunavutwaterboard.org/1%20PRUC/3%20MUNICIPAL/3B/3BM%20-%20Municipality/3BM-RAN0207/2%20ADMIN/3%20SUBMISSIONS/2009%20Renewal/>

Upon further review of the application and the comments received from parties, the NWB notes three important items that require clarification at this time.

#### Landfarm

In its review, INAC noted some uncertainty regarding the landfarm proposed in the NWB3RAN0207 licence renewal, and whether it is the same landfarm approved under Licence 1BR-RAN0914 held by the Government of Nunavut, Community and Government Services. The NWB has reviewed the information on file and agrees that the Hamlet should clarify this issue.

For background information, the project summary submitted for Licence 1BR-RAN0914 indicated that the landfarm will be located adjacent to the new Rankin Inlet Municipal Solid Waste Site with construction scheduled for the summer of 2009. However, the 2008 Annual Report for Licence NWB3RAN0207 states:

The Rankin Inlet landfarm was constructed by Dillon Consultants Inc. in 2005. The landfarm is located 5km northwest of the Hamlet and is 2100 m<sup>2</sup> in area. The soil in the landfarm is approximately 1.8 m deep and is contained by a berm. The

soil deposited in the landfarm originated from a fuel spill at the Airport Fuel Facility (Pg. 3).

The existing NWB3RAN0207 Licence did not allow for the construction and operation of a landfarm, and it appears that the first landfarm facility, if constructed in 2005 under this licence, was built without prior authorization by the NWB. Therefore, the NWB requests that a construction report, complete with as-built drawings be provided as well as an Operation and Maintenance Manual for the landfarm, be submitted to the Board for review.

### Fuel Spill

The 2009 renewal application states:

On June 30, 2008, a fuel spill occurred at the Nipissar Lake Pumphouse in Rankin Inlet...of a few hundred litres of fuel oil into the sand and gravel surface next to the pumphouse...a small amount reached the shore of the lake...EBA Engineering Ltd arranged the removal and disposal of the impacted soil at the Hamlet landfill (Pg. 10).

The Hamlet is asked to confirm whether hydrocarbon contaminated soil was in fact disposed of in the Hamlet's landfill, or was it transferred to the landfarm facility that is being discussed above?

### Solid Waste Disposal Facility

The new Solid Waste Disposal Facility described in the 2009 renewal application was originally proposed in the 2002 water licence application. The facility was constructed between 2003 and 2006, however it has not been commissioned. The NWB notes the three recommendations made by Nuna Burnside Engineering and Environmental Ltd. which should be implemented prior to commissioning the new Solid Waste Disposal Facility. The recommendations are:

- The design and construction of effective drainage of water surrounding the landfill;
- The construction of a hazardous waste storage area; and
- Stockpiling of top soil in the fill area for use as cover material.

The NWB requests that the Hamlet provide signed/stamped as-built record drawings for the new facility and provide a timeframe for implementing the above measures.

Please submit your response concerning the above issues to the NWB's Manager of Licensing ([licensing@nunavtwaterboard.org](mailto:licensing@nunavtwaterboard.org)) by **Friday December 18, 2009**.

Finally, the NWB notes that in accordance with Part G, Item 1 of the previous licence, the Hamlet submitted the *Rankin Inlet Solid Waste Site Abandonment and Restoration Plan* (AECOM July 2009) for the existing solid waste disposal site. The Plan was distributed for review as part of the renewal application and Environment Canada provided a comment. Given the importance of this final A&R Plan and that it was not referenced in the submissions from Indian and Northern Affairs Canada and the Government of Nunavut Department of the Environment, the NWB asks that these parties confirm that they have reviewed the Plan and have

no further comments. Parties are requested to confirm and/or provide a response by **Friday December 18, 2009**.

Should you, or interested parties have any questions, please do not hesitate to contact myself at (780) 443-4406 or Stephen Lines ([slines@envireview.ca](mailto:slines@envireview.ca)) at 403-697-7897.

Yours truly,

*Original Signed By:*

David Hohnstein, C.E.T.  
Director Technical Services

DH/tla

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