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Nunalingni Kavamatkunnilu Pivikhaqautikkut
Department of Community and Government Services
Ministère des Services communautaires et gouvernementaux

March 6, 2015

Phyllis Beaulieu
Manager of Licensing
Nunavut Water Board
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Email: phyllis.beaulieu@nwb-oen.ca

Re: Hamlet of Rankin Inlet Water Licence No. 3BM-RAN1214 Amendment/Renewal Application

Dear Ms. Beaulieu,

On behalf of the Hamlet of Rankin Inlet, I am pleased to submit to the Nunavut Water Board (NWB) the enclosed Water Licence Amendment/Renewal Application with supplementary information for your reference.

The Hamlet of Rankin Inlet is requesting a twenty-three (23) year renewal of Water Licence No. 3BM-RAN1214 which expired on May 31, 2014.

Water Licence No. 3BM-RAN1214 contains many conditions related to the new Solid Waste Site. There are currently no plans to commission this site and they Licensee is requesting that these conditions be removed from the Licence. In the future, if the Licensee is contemplating an alternative Solid Waste Site, an Amendment Application will be submitted to the NWB for approval of this new site and of the abandonment and restoration of the existing Solid Waste Site.

The Hamlet of Rankin Inlet is requesting an Amendment to Water Licence No. 3BM-RAN1214 to remove/modify the following conditions:

1. *Part F Item 1: The Licensee shall submit to the Board for approval, at least sixty (60) days prior to commissioning the New Landfill, a status Update Report and photographic record, which demonstrates implementation of the pre-commissioning recommendations outlined in the Solid Waste Management Facility Operation and Maintenance (O&M) Plan, Hamlet of Rankin Inlet, dated December, 2008, including:*
 - a. *The design and construction of effective draining of water surrounding the landfill;*
 - b. *The need to construct a hazardous waste storage area;*

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- c. Stockpiling of top soil in the fill area for use as cover material;*
- d. Background sampling of soil and water quality of the site;*
- e. Review of the O&M Plan by a bird hazard expert;*
- f. The provision of signed/as-built drawings of the New Landfill and Landfarm following the completion of the above measures;*
- g. Confirmation of correspondence with Transport Canada and a copy of any authorizations or recommendations provided through this consultations confirming that Transport Canada requirements have been met; and*
- h. A schedule of activities.*

This condition relates solely to the new Solid Waste Site. As there are no plans to commission this site in the near future, the Licensee is requesting Part F, Item 1 is removed from the Licence.

2. *Part F, Item 4: An inspection of all engineered earthworks related to the management Waste shall be carried out annually in July or August by a Geotechnical Engineer. The engineer's report shall be submitted to the Board for review, within sixty (60) days of the inspection, including a covering letter from the Licensee outlining an implementation plan addressing each of the Geotechnical Engineer's recommendations.*

CGS is requesting, on the behalf of the Hamlet, that this condition be modified to allow for the CGS Municipal Engineer to perform the annual inspection of the berms and engineered facilities related to the management of water and waste. This will allow for annual inspection to occur without the high costs to the Hamlet associated with bringing in a consulting geotechnical engineer. If any issues are found with the berms or other structures, appropriate measures for further study or repair will be taken. The Annual Report Card, including berm inspection, and any follow-up measures will be reported in the Annual Report.

3. *Part G Item 1: The Licensee shall, within six (6) months of Licence issuance, revise and resubmit to the Board for approval in writing, the Hamlet of Rankin Inlet, Rankin Inlet Solid Waste Site Abandonment and Restoration (A&R) Plan, dated July 2009, for the Old Landfill. The revision shall address the following:*
- a. A clear rationale for the decision to abandon and remediate the existing site rather than the option of removing and relocating the waste materials into a new engineered facility;*
 - b. Design criteria for the cover, gas ventilation system and surface water management system;*



- This condition relates to the abandonment and restoration of the existing Solid Waste Site. As there are no plans to decommission this site in the near future, the Licensee is requesting Part G, Item 1 is removed from the Licence.

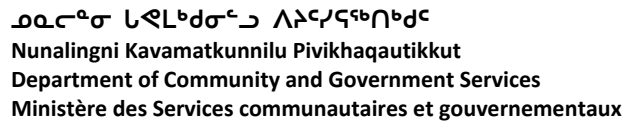


- | Monitoring Program Station Number | Description | Status |
|-----------------------------------|---|---------------------------|
| RAN-1 | Unassigned | Inactive |
| RAN-2 | Runoff from the Old Landfill | Active |
| RAN-3 | Runoff from the New Landfill | Active Upon Commissioning |
| RAN-4 | Discharge from the Landfarm Facility at the controlled point of release | Active |
| RAN-5 | Monitoring well located up gradient of the Landfarm | Active |
| RAN-6 | Monitoring well located down gradient of the Landfarm | Active |

5. *Part H, Item 2: The Licensee shall sample monthly at Monitoring Program Station RAN-2 and RAN-3 upon commissioning, during periods of observed flow and annual discharges, to be analyzed for the following parameters...*

6. *Part H, Item 3: The Licensee shall carry out weekly inspection at Monitoring Program Stations RAN-2 and RAN-3 upon commissioning, from May to August inclusive, to identify effluent or water flow in order to fulfill the monitoring requirements of Part H, Item 2. A record of inspections shall be retained and made available to an Inspector upon request.*

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- *Environmental Emergency Contingency Plan, Hamlet of Rankin Inlet* prepared by Nuna Burnside, December 2008; and
- *Environmental Monitoring Program and Quality Assurance/Quality Control Plan, Hamlet of Rankin Inlet* prepared by Nuna Burnside, December 2008.

The 2014 Annual Report will be submitted to the NWB by **March 13, 2015**.

The *Environmental Monitoring Program and Quality Assurance/Quality Control Plan* is currently being updated and will be sent to an accredited laboratory to confirm acceptance. This updated plan, including cover letter from accredited laboratory, will be submitted to the NWB by **April 30, 2015**.

The *Solid Waste Management Facility Operation and Maintenance (O&M) Plan* and *Environmental Monitoring Program and Quality Assurance/Quality Control Plan* are currently being reviewed and updated. The updated plans will be submitted to the NWB by **August 31, 2015**.

A cheque for the amount of \$30.00 will be issued to the Receiver General for Canada for the Amendment Application fee and sent by the Hamlet of Rankin Inlet to the NWB.

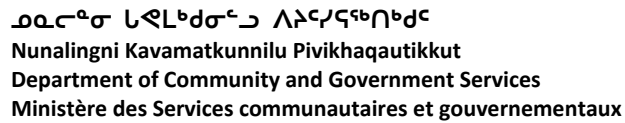
Please feel free to contact the undersigned if there are any questions or concerns with the enclosed application or documents.

Sincerely,

Megan Lusty, EIT
Municipal Planning Engineer-In-Training
Community and Government Services
Kivalliq Region, Government of Nunavut
P.O. Box 490, Rankin Inlet, NU, X0C 0G0
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Cc: Tom Ng, SAO Hamlet of Rankin Inlet
David Hohnstein, NWB
Ralph Ruediger, GN-CGS
Robert Savard, AANDC

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