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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File: 3BM-RES-NEW

May 5, 2008

By Email and Regular Mail

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Subject: Application for a New Licence, Solid Waste Disposal – Hamlet of Resolute

Dear Mr. Roy:

Further to your recent inquiry with Phyllis Beaulieu, Manager of Licensing and as well, to our telephone conversation April 2, 2008 regarding the status and progress on the application for a new licence (No. 3BM-RES) filed by the Acting SAO for the Hamlet, with respect to the Hamlet of Resolute Bay for the use of a “new” solid waste disposal facility, a review of the file has been undertaken.

The review indicated that the supplemental information on the Solid Waste Disposal Facility that you had indicated was provided with the application submitted December 7, 2007, was in fact not received by the Nunavut Water Board (NWB or Board). The NWB can confirm that the following information is on file:

- Application cover letter;
- Application form;
- two “sketches” of the proposed location of the Solid Waste Disposal Facility;
- Supplemental information as follow-up to the Boards request of December 18, 2007 on administrative deficiencies (technical summary and translation). No additional technical information was requested at that time.

In order to gain a better understanding of the information and status of infrastructure in Resolute Bay a more detailed assessment of the previous Application information from 2003 and public registry was completed. There is currently no information on file that provides design details and engineered drawings for the Solid Waste Disposal Facility you had indicated in our most recent discussions as being “built”.

The NWB has determined that a new, complete application will be required (or substantial additional information to supplement the current application), therefore in accordance with Section 48(2) of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act (NWNSRTA)*, the following information is to be provided:

1. Information on the current facilities, their status and any proposed modifications/upgrades to be carried out within the requested term of the licence.
2. A detailed engineering design, complete with engineered drawings (for construction), dated, signed and stamped by an Engineer. If the current status of the facilities is “ready for use” as indicated during our telephone conversation, then as built drawings of the facility to be licensed are required.
3. An Abandonment and Restoration Plan for the facilities to be closed (including the current Solid Waste Facility) which will describe the overall objectives of the closure, including post-closure monitoring that will take place in order to provide assurance that the closed facilities will not result in discharges that will significantly impact any downstream water resources.
4. An Operations and Maintenance Manual, prepared for the facilities.

As indicated above in item No.1, the NWB requires clarification on the use of current facilities. Information currently on file indicates that a separate application is in place, provided by the Government of Nunavut - Community Government and Services (GN-CGS) for the Utilidor System.

It is the NWB’s understanding that sewage handling and treatment is carried out by two separate systems. First, the utilidor system that collects sewage from those serviced, which is then transferred to a communiton facility, and then directed to the ocean for disposal and secondly, for those not serviced by the Utilidor System, a trucked pump-out collection system is used with ultimate disposal via dumping at the current solid waste site, where it is treated with lime and covered with gravel. In the Boards view, the first system is outside the jurisdiction of the NWB as it contemplates ocean disposal. Taking into consideration that waste disposal to the Solid Waste Disposal Facility(s) fall within the jurisdiction of the Board, the second disposal system would require approval through the 3BM-RES application on file.

The NWB requires clarification on whether the new (proposed) Solid Waste Disposal Facility is planning on receiving sewage during its operation. If so, information shall be submitted in support of the application, in addition to items 1 through 4, above, with respect to design, projected volumes, treatment efficiencies, projections for the a twenty (20) year operational life, mitigation of effects and proposed monitoring to assess the treatment and any impacts to water.

Further to Item No. 4 above, Inspection Reports filed by Indian and Northern Affairs Canada from 2006 and 2007 were reviewed and indicate that conditions at the facilities are consistent with the 2003 Application information. The 2007 inspection however, indicated two landfill locations. **The NWB is requesting clarification on these facilities** and how they relate to the application currently being reviewed. The NWB also notes that recommendations made by the Inspector with respect to the treatment of municipal sewage and improved handling of solid wastes by segregation and controls were not addressed in the renewal application. **The inspector’s recommendations are to be addressed as part of the supplemental information**

requested for review as part of the application and in addition, within the Operations and Maintenance Manual to be provided.

Once the supplemental information and clarification has been received by the NWB, the Board will then be in a position to proceed with the application process as provided for under Section 55(1) of the *NWNSRTA*, and distribute the Application to interested parties for comment.

If you have any further questions, please feel free to contact myself at (780) 443-4406, or if your questions are of an administrative nature, please contact our Licensing Administrator, Mr. Richard Dwyer at 867-360-6338.

Yours truly,

David Hohnstein, C.E.T.
A/Director Technical Services
Nunavut Water Board

Cc: Distribution list