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Your file - Votre référence  
3BM-RUT  
Our file - Notre référence  
IQA-N 9545-3-3RESG UNC  
CIDMS # 183120

October 19, 2007

Phyllis Beaulieu  
Licensing Administrator  
Nunavut Water Board  
P.O. Box 119  
Gjoa Haven, NU, X0A 1J0

**Re: 3BM-RUT – Type “B” Water Licence Application – Resolute Bay  
Utilidor Extension and Upgrades – GN-Community and Government  
Services**

On behalf of Indian and Northern Affairs Canada (INAC), I have performed a review of the type “B” Water Licence Application submitted to the Nunavut Water Board (NWB). The following advice has been provided pursuant to INAC’s mandated responsibilities for the enforcement of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (NW&NSRT) and the *Department of Indian Affairs and Northern Development Act* (DIAND Act) and the *Arctic Waters Pollution and Prevention Act (AWPP)*. In conducting our review, INAC referred to the documents on the NWB’s FTP-site under 3BM-RUT.

INAC feels the application submitted by GN-Community and Government Services for the Resolute Bay Utilidor Extension and Upgrades conform to the Nunavut Waters and Surface Rights Tribunal Act. INAC recommends the NWB include terms and conditions similar to those found under Part B: General Condition for other municipal water licences.

INAC recommends that the NWB propose that the wastewater treatment facility in Resolute Bay be upgraded during the term of the Water Licence as the current wastewater treatment facility only relies on dilution from bleed water and a comminutor before discharging to the marine environment. This does not constitute wastewater treatment. As the proposed changes to the utilidor system likely will decrease the bleed-rate, the dilution factor will be decreased as well.

In the report from 1996 prepared by UMA Engineering<sup>1</sup> concerns were raised regarding

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<sup>1</sup> UMA Engineering Ltd. *Resolute Bay, NWT Water and Sewer Facilities Investigation. Final Report.* January 1996. Available from the NWB’s FTP-site under 3BM-RUT.



this, and alternatives treatment options presented. It was pointed out that; “the comminutor may be reaching the end of its expected useful life” (Section 3.6.3). INAC has not found any mention that the comminutor has been upgraded. Other concerns raised in the report include the potential environmental effects of the discharge into the Bay as well as health aspects (prolonged survival of pathogens in cold climates). (See section 4.3.1 and 4.3.3).

The 1999 Report prepared by Dillon Consulting Ltd.<sup>2</sup> does not repeat these concerns; however, does point out the community itself, when consulted also had concerns regarding the lack of wastewater treatment (pp. 44-45, Section 5.4).

INAC has no further comments at this time.

Should you have any questions or comments, please do not hesitate to contact me at (867) 975-4548 or by email at [ReinhartF@inac-ainc.gc.ca](mailto:ReinhartF@inac-ainc.gc.ca).

Sincerely,

*Original Signed By*

Froeydis Reinhart  
Pollution Policy Specialist

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<sup>2</sup> Dillon Consulting Ltd. *Draft Report Hamlet of Resolute Bay Utilidor Upgrade*. Available on the NWB's FTP-site under 3BM-RES [[061208 3BM-RUT Final Report-ILAE.pdf](#)]