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Department of Community and Government Services Nunalingni Kavamatkunnilu Pivikhagautikkut Ministère des Services Communautaires et gouvernementaux

March 20, 2014

Justin Hack Water Resource Officer Aboriginal Affairs and Northern Development Igaluit, NU X0A 0H0 Nunavut Regional Office Tel: 867-975-4289 Justin.Hack@aandc.gc.ca

Subject: Resolute Airport Sewage Lagoon: Overflow

Dear Mr. Hack,

Community & Government Services (CGS) with the Government of Nunavut is in the process of Renewing their Resolute Bay Utilidor Water Licence # 3BM-YRB 1012 and looking at transferring authority Resolute Airport Sewage Lagoon under the Water Licence # 3BM-YRB 0308 from Economic Development & Transportation to GN-CGS. The Water Licence # NWB 3YRB-0308 was expired. The renewal application was submitted and it is under reviewing process by the Technical Advisor of the NWB. This lagoon is recently receiving approximately 14,000L of sewage every day based on the record of the Contractor ATCO. The capacity of the lagoon is full. There is no other structure exists in the community where this sewage can be retained or getting treatment prior to disposal to the sea. The SAO of Resolute Bay confirmed that this was happened many times at the past.

There is only option continuing dumping sewage at the same location. The liquid overflows initially and finally freezes up in this climatic condition.

We are planning for the following steps:

- 1. Sampling and testing once start melting and diluting with ice water sometimes in June.
- 2. Record volume of unauthorized discharge and report incident to 24-Hour spill Reporting line



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- 3. Prepare a Spill Report as per item Part F. of the Water Licence # NWB 3YRB 0308.
- 4. Decant in early summer and at the end of summer, twice, to increase the lagoon capacity.
- 5. Maintain the Lagoon berm reasonably well to maintain structural stability.

All the sampling results and spill action plan will be submitted to your office and NWB along with 2014 Annual report on or before March 31, 2015.

Please contact me if you have any issue or concern or advice on this issue.

Thanking You.

Bhabesh Roy, M.A.Sc., P.Eng.

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ATCO