

DOCO O LOLD DOC J NAC 1 GONDO DC

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

March 21, 2014

Phyllis Beaulieu Manager of Licensing Nunavut Water Board P.O. Box 119 Gjoa Haven, NU X0B 1J0

Phone: (867) 360-6338, Ext. 27

Fax: (867) 360-6369

Email: licensing@nunavutwaterboard.org

Re: Resolute Utilidor System: Water Licence # 3BM-RUT 1012 Renewal Application

Attention: Erik Skiby, Assistant Technical Advisor

Dear Ms. Beaulieu.

I am writing to reply to the questions raised by Erik Skiby, Assistant Technical Advisor, NWB, in his e-mail dated February 14, 2014 as follows:

1: Part C; item 4: Report: Assessment for the potential for Char Lake to be drawn down:

Answer: No arrangements have been made to update the Bathymetric surveys and hydrological overview in order to assess the sustainability of Char Lake. This issue will be addressed and reported to NWB when the upgrades happen to the Char Lake pump house. Over the past couple of years the level of Char Lake has not diminished and the new piping being installed starting this summer will reduce the amount of water currently being removed.

2. Part D: Item 4, Site Specific study for the determination of fecal coliform limit for Sewage Disposal Facility:

Currently CGS is conducting bacteria sampling monthly and Chemical Analysis twice annually, (winter and summer), of the raw water of the Char Lake.

We are using Caduceon Environmental Lab in Ottawa, a member of the Canadian Accredited Labs. They are following parameters mentioned in Part D, item 2 and Part H; item 6 where Fecal Coliform is one of the parameters. The test results will be submitted to NWB along with the Annual report 2014 by March 31, 2015. We are the holders of the licence; ATCO is operating the system.



20 900 5 1 24V C 30P 978 D 000

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

3. Part F; item 1: Operations and Maintenance Manual for the Water Supply Facilities, Utilidor and Sewage Disposal Facility:

An Engineering Firm, exp services Inc., has designed for rehabilitation, improvement, and replacement of new Infrastructure for the entire Utilidor system (Pump house, Water Treatment Plant, Water distribution system, Sewer collection system and Wastewater Treatment Plant). The construction of the different segments will be implemented in Phases and expected to be completed on or before 2017. All the O&M manuals will be available by 2017 once the entire construction is complete.

Quality Assurance/Quality Control Plan (QA/QC) Plan and Spill contingency Plan under Part H, Item 7 are expected to be available by 2016. QA/QC plan will get approved by Caduceon lab prior to submitting to NWB. Spill contingency plan will be developed following the guidelines of Nunavut/NWT Spill Action Plan.

It is noted that Airport water licence NWB 3YRB 0308 will be kept active until WWTP is built and Commissioned. The exp's current scope of works does not include Airport facilities like Sewage lagoon etc. However, CGS is planning to replace/ develop all the documents as follows to renew the Airport Water Licence as a standalone Licence.

Part F; item 1: O&M manual of Sewage Lagoon

Part F; Item 4(ii): Spill Contingency Plan

Part H; Item 3: Quality Control/Quality Assurance (QA/QC)

Part B; Item 1(vii): Abandonment and Restoration Plan (A&R Plan)

A&R plan of the sewage Lagoon will be available once entire sewage of the Community will be directed to the new WWTP. Soon after commissioning the New WWTP, the sewage lagoon will be scheduled to decommission which is expected in 2017. The solid wastes of the Airport Facilities will be directed to the new waste management facility designed by Arktis Solution Inc. The new waste management facility is expected to be ready to use by 2017/2018. At that very time, Airport water licence might be declared to be closed.

We are expecting to maintain two licences when the WWTP is built and commissioned. Resolute Bay: Utilidor which belongs to CGS and Waste Management Facility which belongs to the Hamlet of Resolute Bay; and we are expecting the whole community to fall under one licence in the future which will belong to the Hamlet of Resolute Bay once the entire project is commissioned and they are operating these facilities.

Bacteria sampling for Igaluit GN Environmental lab; Water, wastewater and leachate sampling for Caduceon lab in Ottawa. The test results are attached with the 2013 annual report.

C.P. Box 379



DOCOO LEL DOCO NACY GONDOC

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

The attached Plan for Compliance shows clearly all the measures untaken by the Licensee.

Please contact me if you have any issue or concern with this application. I will appreciate if you keep me in the loop for the approval process.

Thanking You.

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

Municipal Planning Engineer Community Government Services Baffin Region, Government of Nunavut P.O.Box 379, Pond Inlet, X0A 0S0 Ph-867 899 7314

Fax-867 899 7328 E-mail: <u>broy@gov.nu.ca</u>

Copy: Ralph Ruediger, Director, Community Development

Timoon Toonoo, Regional Director

Wayne Thistle, A. Senior Manager Projects and Asset management Divisions

Bu Lam, Director, Capital Planning

Art Stewart, Director, Transportation & Planning, ED&T

Angela Idlout, Senior Administrative Officer, Hamlet of Resolute Bay

Mittimatalik Nunavu X0A 0S0