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

January 25, 2015

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Re: Hamlet of Chesterfield Inlet Water Licence No. 3BM-CHE1013 Amendment/Renewal Application

Dear Ms. Beaulieu,

On behalf of the Hamlet of Chesterfield 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 Chesterfield Inlet is requesting an Amendment to Water Licence No. 3BM-CHE1013 to remove/modify the following conditions:

1. *Part C, Item 2: The annual quantity of water used for all purposes shall not exceed twenty thousand (20,000) cubic metres.*

The Hamlet of Chesterfield Inlet is requesting that the amount of water authorized under the Water Licence be increased to twenty-three thousand (23,000) cubic metres annually to meet the 21-year water demand of the community. Please refer to Table 2 of the Community Background: Water System for the projected water consumption values through to 2036.

2. *Part F, Item 3: An inspection of all engineered facilities related to the management of water and waste, including the decommissioned landfill, 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, and is to include a cover letter from the Licensee outlining an implementation plan addressing 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 2: The Licensee shall submit to the Board for approval in writing, within six (6) months of Licence issuance, an Abandonment and Restoration Plan for the old sewage lagoon.*

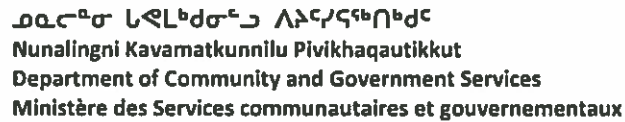
The Hamlet is requesting that this condition be removed from the Amended/Renewed Water Licence as there is no old sewage lagoon in Chesterfield Inlet. Prior to the sewage treatment system improvements completed in 2010, which included construction of two sewage detention cells and flow diversion berms, the Hamlet was discharging sewage directly into the tundra wetlands. The tundra wetlands area has been in operation since at least 1993. The discharge point used prior to construction is in the same location as the discharge station for holding cell 1. Prior to the construction of the holding cell, sewage flowed in an uncontrolled manner into the area that is now holding cell 1 and then continued towards pond 1.

The 2009 INAC Inspection Report contains the following comment: "Sewage from the community is taken to a dumping station where it is released into a lowland area adjacent to the municipal dump. No lagoon is present in the community". This report is included in the application package as it provides additional confirmation that there is no old sewage lagoon in Chesterfield Inlet that requires an abandonment and restoration plan.

Please see the attached Compliance Plan for more details regarding these conditions and other areas identified as non-compliant in the 2014 AANDC Inspection Report.

This application contains the following supporting documents:

- Letter to the NWB, February 25, 2015;
- Letter of Authorization from the Hamlet of Chesterfield Inlet, January 23, 2015;
- Executive Summary – English;
- Executive Summary – Inuktitut;
- Community Background;
- Application for Water Licence Amendment, February 25, 2015;
- Hamlet of Chesterfield Inlet Compliance Plan, February 24, 2015;
- DFO Response to Water Licence 3BM-CHE1013 Chesterfield Inlet, September 11, 2014;
- 2009 INAC Inspection Report, August 3, 2009; and
- Chesterfield Inlet Sewage System Improvements – Record Drawings, October 2011.



- **Water, Sewage and Solid Waste Operations and Maintenance Manual, Chesterfield Inlet, NU (Nunami Stantec, May 2010), containing:**
 - o **Water Distribution System Operations and Maintenance (Section 3);**
 - o **Sewage Disposal Facility Operations and Maintenance (Section 4);**
 - o **Solid Waste Disposal Facilities Operations and Maintenance (Section 5);**
 - o **Emergency Response Plan (Section 6); and**
 - o **Spill Contingency Plan (Section 6.2).**

M. J. J.

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