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

Compliance Plan

HAMLET OF CHESTERFIELD INLET - PLAN FOR COMPLIANCE

NWB LICENCE NO. 3BM-CHE1013

24/02/2015

Licence Condition		Status of Compliance	Short Term Plan for Compliance	Responsibility	Schedule of Implementation	Long Term Plan for Compliance
PART B	<u>GENERAL CONDITIONS</u>					
B-4	Meters, devices or other such methods as approved by the Board in writing, used for measuring the volumes of water used and waste discharged shall be installed, operated and maintained by the Licensee.	Failure to meter water from the source (AANDC Inspection July 7, 2014).	CGS will order and assist the Hamlet to install a meter at the intake pump at First Lake prior to reservoir refill 2015. This meter will be used to record volume while refilling the reservoir.	Hamlet of Chesterfield Inlet with assistance from CGS	A picture of the meter will be provided to the Inspector upon installation.	The meter will be maintained and operated annually during reservoir refill. A record of daily water volume will be kept while filling the reservoir and included in the Annual Report.
B-5	The Licensee shall maintain the necessary signs to appropriately identify the stations of the Monitoring Program. Signs are to be posted in the Official Languages of Nunavut, following confirmation of location by the Inspector.	Failure to install and maintain monitoring station signage (AANDC Inspection July 7, 2014).	The Hamlet will install signage at the monitoring stations prior to August 31, 2015.	Hamlet of Chesterfield Inlet with assistance from CGS	Pictures of the signage will be provided to the Inspector by August 31, 2015.	Monitoring station signage will be inspected annually, and maintenance or replacement will be done as necessary. Pictures of the signage can be provided upon request.
B-11	The Licensee shall, for all Plans submitted under this Licence, implement the Plan as approved by the Board in writing.	Failure to implement Plans as approved by the Board (AANDC Inspection July 7, 2014).	Plans previously submitted to the NWB will be reviewed and implemented as outlined.	Hamlet of Chesterfield Inlet	Ongoing	Future plans will be implemented as approved by the NWB.
B-12	Every plan to be carried out pursuant to the terms and conditions of this License shall become a part of this Licence, and any additional terms and conditions imposed upon approval of a plan by the Board become part of this License. All terms and conditions of this Licence should be contemplated in the development of a plan where appropriate.	Failure to carry out plans to full extent (AANDC Inspection July 7, 2014).	Plans previously submitted to the NWB will be reviewed and implemented as outlined.	Hamlet of Chesterfield Inlet	Ongoing	Future plans will be implemented as approved by the NWB.
PART D	<u>CONDITIONS APPLYING TO WASTE DISPOSAL</u>					
D-4	The Licensee shall provide confirmation to the NWB, within ninety (90) days of Licence issuance, and following consultation with Fisheries and Oceans Canada, on the fish-bearing status of the wetland treatment area.	Failure to establish fish bearing status of wetland treatment area (AANDC Inspection July 7, 2014).	DFO was contacted and provided with the Design Brief and as-built drawings of the sewage system improvements, along with recent pictures of the wetlands area.	Hamlet of Chesterfield Inlet with assistance from CGS	DFO issued a response letter September 11, 2014. Please refer to "DFO Response Water Licence 3BM-CHE1013 Chesterfield Inlet".	The Licensee will work with the NWB to determine agreeable action plan regarding response from DFO.

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D-6	The Sewage Disposal Facilities shall be maintained and operated in such a manner as to prevent structural failure.	Failure to maintain sewage disposal facility water management structures (AANDC Inspection July 7, 2014).	The Hamlet will repair Berm A of the sewage holding cell.	Hamlet of Chesterfield Inlet	Berm A was repaired September 22, 2014.	Annual inspections of the sewage holding cell and diversion berms within the wetland area will be conducted by CGS Regional Municipal Engineer. A report will be provided to the NWB and the Inspector within 60 days of the inspection. Repairs will take place in a timely fashion and pictures can be provided upon request.
D-8	The Licensee shall dispose of and permanently contain all solid wastes at the Solid Waste Disposal Facilities or otherwise approved by the Board in writing.	Failure to permanently contain waste within the Solid Waste Disposal Facility (AANDC Inspection July 7, 2014).	The Hamlet will install fencing at the Solid Waste Site. Clean-up of the Solid Waste Site and adjacent wetland area look place August 2014.	Hamlet of Chesterfield Inlet	Fencing will be installed during the summer 2015. Pictures of the fencing will be provided to the NWB by September 30, 2015.	Maintenance to the fencing will occur as needed. Annual clean-up of the Solid Waste Site will be conducted by the Hamlet.
PART E	<u>CONDITIONS APPLYING TO MODIFICATION AND CONSTRUCTION</u>					
E-4	The Licensee shall provide to the NWB for review, as-built plans and drawings, stamped and signed by an Engineer, within ninety (90) days of completion of construction and modifications or, if already constructed, as is the case for the Sewage Lagoon, within ninety (90) days or issuance of this Licence.	Failure to submit as-built drawing to NWB for Sewage Lagoon within 90 days of licence issuance (AANDC Inspection July 7, 2014).	As-built Sewage Lagoon drawings submitted with Amendment/Renewal Application.	Hamlet of Chesterfield Inlet and CGS	As-built plans and drawings will be provided to the NWB within 90 days of completion of future construction and modifications.	As-built plans and drawings will be provided to the NWB within 90 days of completion of future construction and modifications.
PART F	<u>CONDITIONS APPLYING TO OPERATION AND MAINTENANCE</u>					
F-2	The Plan entitled "Water, Sewage and Solid Waste Operations and Maintenance Manual, Chesterfield Inlet, Nunavut" dated May 2010 that was submitted as additional information with the Application, has been approved with this Licence.	<i>Commitment to updating the O&M Manual.</i>	The O&M Manual will be reviewed and updated within 6 months.	Hamlet of Chesterfield Inlet with assistance from CGS	The updated O&M Manual will be submitted to the NWB by August 31, 2015.	The O&M Manual will be reviewed annually and any modifications will be documented in the Annual Report.

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F-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.	<i>Requesting condition to be modified in Amendment/Renewal Application.</i>	No annual inspections were conducted by a Geotechnical Engineer from 2010-2014 therefore no reports can be provided to the NWB.	CGS Rankin Inlet Municipal Engineer	Annual inspection of the sewage lagoon berms and other engineered facilities related to the management of water and waste will be completed by the CGS Municipal Engineer.	Annual inspection of the sewage lagoon and diversion berms to be completed by the CGS Municipal Engineer. If any issues are found with the berm, appropriate measures will be taken for further study or repair of the berms. The annual berm inspection and any follow-up measure taken will be reported in the Annual Report.
PART G	<u>CONDITIONS APPLYING TO ABANDONMENT, RESTORATION AND CLOSURE</u>					
G-2	The Licensee shall submit to the Board for approval in writing, within six (6) months of Licence issuance, and <i>Abandonment and Restoration Plan</i> for the old sewage lagoon.	Failure to revise A and R plan to include old sewage lagoon (AANDC Inspection July 7, 2014)	Prior to the construction of the holding cells and diversion berms in 2010, the Hamlet was discharging sewage directly into the tundra wetlands.	CGS	Clarify that there is not an old sewage lagoon in the Amendment/Renewal Application.	If the sewage lagoon or any other facility is to be abandoned, an Abandonment and Restoration Plan will be submitted to the NWB at least 6 months prior to abandoning the facilities.
PART H	<u>CONDITIONS APPLYING TO THE MONITORING PROGRAM</u>					
H-1	The Licensee shall maintain Monitoring Program Stations at the following locations: CHE-1 - Raw water supply intake at First Lake - Active (volume) CHE-2 - Runoff from the Solid Waste Disposal Facilities - Active CHE-3 - Effluent from the sewage detention cells - New CHE-4 - Final Discharge Point for Effluent from the wetland treatment area prior to Finger Bay - New	Failure to maintain monitoring stations at CHE-1, CHE-2, CHE-3, CHE-4 (AANDC Inspection July 7, 2014).	Required sampling will occur at the Monitoring Program Station described.	Hamlet of Chesterfield Inlet with assistance from CGS	Sampling results will be included in the Annual Reports to be submitted prior to the March 31st deadline each year.	Sampling will take place annually and results will be included in the Annual Reports to be submitted prior to the March 31st deadline each year.

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H-3	The Licensee shall sample monthly at Monitoring Program Station CHE-2 and CHE-4, during periods of observed flow and annual discharges, to be analyzed for the following parameters: Biochemical Oxygen Demand (BOD5), Fecal Coliforms, Total Suspended Solids, pH, Conductivity, Nitrate-Nitrite, Oil and Grease (visual), Total Phenols, Magnesium, Calcium, Sodium, Potassium, Chloride, Sulphate, Total Hardness, Total Alkalinity, Ammonia Nitrogen, Total Zinc, Total Cadmium, Total Iron, Total Cobalt, Total Manganese, Total Chromium, Total Nickel, Total Copper, Total Lead, Total Aluminum, Total Arsenic	Failure to sample and analyze CHE-2 and CHE-4 for the parameters discussed in this condition (AANDC Inspection July 7, 2014).	Weekly checks of the Monitoring Stations will begin in May and continue until the end of August. When flow is present, monthly samples will be taken. May to August checks and a summer of sample analysis will be submitted with the Annual Report.	Hamlet of Chesterfield Inlet	Weekly checks of the Monitoring Stations will begin May 2015 and continue until the end of August 2015. Samples will be taken monthly when flow is present. Results of the sampling program will be included with the 2015 Annual Report.	Weekly checks of the Monitoring Stations will begin in May and continue until the end of August. Samples will be taken monthly when flow is present. Results of the sampling program will be included with the Annual Report.
H-4	The Licensee shall carry out inspections at Monitoring Program Station CHE-2 and CHE-4 weekly from May to August inclusive, to determine effluent or water flow in order to fulfill the monitoring requirements of Part H, Item 3. A record of inspections shall be retained and made available to an Inspector upon request.	Failure to maintain a record of inspection as required by this condition (AANDC Inspection July 7, 2014).	Weekly checks of the Monitoring Stations will begin in May and continue until the end of August. When flow is present, monthly samples will be taken. May to August checks and a summer of sample analysis will be submitted with the Annual Report.	Hamlet of Chesterfield Inlet	Weekly checks of the Monitoring Stations will begin May 2015 and continue until the end of August 2015. Samples will be taken monthly when flow is present. Results of the sampling program will be included with the 2015 Annual Report.	Weekly checks of the Monitoring Stations will begin in May and continue until the end of August. Samples will be taken monthly when flow is present. Results of the sampling program will be included with the Annual Report.
H-5	The Licensee shall sample monthly at Monitoring Program Station CHE-3 during periods of flow to determine the quality of Effluent release from the detention cells prior to entering the wetland treatment area. Samples shall be analyzed for the parameters listed in Part D, Item 3 (BOD5, Total Suspended Solids, Fecal Coliforms, Oil and Grease, pH).	Failure to sample and analyze CHE-3 for the parameters discussed in Part H, Item 2 (AANDC Inspection July 7, 2014).	Weekly checks of the Monitoring Stations will begin in May and continue until the end of August. When flow is present, monthly samples will be taken. May to August checks and a summer of sample analysis will be submitted with the Annual Report.	Hamlet of Chesterfield Inlet	Weekly checks of the Monitoring Stations will begin May 2015 and continue until the end of August 2015. Samples will be taken monthly when flow is present. Results of the sampling program will be included with the 2015 Annual Report.	Weekly checks of the Monitoring Stations will begin in May and continue until the end of August. Samples will be taken monthly when flow is present. Results of the sampling program will be included with the Annual Report.

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H-10	The Licensee shall submit to the Board up approval by an Analyst, for inclusion with the O&M Manual, approved under Part F, Item 1, a Quality Assurance/Quality Control (QA/QC) Plan. The Plan shall include up to date sampling methods to all applicable standards, acceptable to an accredited laboratory as required by Part H, Item 8 and Part H, Item 9. The Plan shall include a covering letter from an accredited laboratory and Analyst, confirming acceptance of the Plan for analyses to be performed under this Licence.	Failure to submit Quality Assurance/Quality Control Plan (AANDC Inspection July 7, 2014).	Submission of the QA/QC Plan will be included	Hamlet of Chesterfield Inlet with assistance from CGS	The QA/QC Plan, with cover letter from an accredited lab confirming acceptance, will be submitted by August 31, 2015.	The QA/QC Plan will be reviewed annually and the NWB will be notified of any changes/updates in the Annual Report.
H-11	The Licensee shall annually review the Quality Assurance/Quality Control Plan in Part H, Item 10 and modify as necessary. Proposed modifications shall be submitted to the accredited laboratory for approval prior to submission to the Board.	Failure to submit all monitoring program information with annual report (AANDC Inspection July 7, 2014).	The QA/QC Plan will be reviewed annually and the NWB will be notified of any changes/updates in the Annual Report.	Hamlet of Chesterfield Inlet with assistance from CGS	Modifications to the QA/QC Plan will be reviewed by an accredited lab for acceptance. A cover letter from an accredited lab will be included in submissions to the NWB.	The QA/QC Plan will be reviewed annually and the NWB will be notified of any changes/updates in the Annual Report. Modifications to the QA/QC Plan will be reviewed by an accredited lab for acceptance. A cover letter from an accredited lab will be included in submissions to the NWB.