

HAMLET OF CORAL HARBOUR - COMPLIANCE PLAN
NWB LICENCE NO. 3BM-COR0813
16/01/2015, revised 02/03/2015

Licence Condition		Status of Compliance	Short Term Plan for Compliance	Responsibility	Schedule of Implementation	Long Term Plan for Compliance
PART B	GENERAL CONDITIONS					
B-1	The Licensee shall file an Annual Report with the Board no later than March 31st of the year following the calendar year reported.	<i>Non-compliance:</i> Annual Reports for 2007 and 2008 have not been submitted; Annual Report for 2009 is incomplete.	Complete outstanding Annual Reports for 2007, 2008 and 2009.	Hamlet of Coral Harbour with assistance from CGS	Annual Reports 2007, 2008 and 2009 have been submitted with the revised Amendment/Renewal Application January 16, 2015. Annual Report 2014 will be submitted prior to March 31, 2015.	Annual Reports will be submitted prior to the March 31st deadline each year.
B-2	The Licensee shall comply with the "Monitoring Program" described in this Licence, and any amendments to the "Monitoring Program" as may be made from time to time, pursuant to the conditions of this Licence.	<i>Non-compliance</i>	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-August checks and a summary of samples analysis will be submitted with the Annual Report.	Hamlet of Coral Harbour	Weekly checks of Monitoring Stations will begin May 2015 and continue until 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 Monitoring Stations will begin in May and continue until August each year. Samples will be taken monthly when flow is present. Results of the sampling program will be included with the Annual Report.
B-5	The Licensee shall, within ninety (90) days after the first visit by the Inspector following issuance of this Licence, post the necessary signs to identify the stations of the "Monitoring Program". All signage postings shall be in the Official Languages of Nunavut.	<i>Non-compliance</i>	Signage for the Monitoring Program Stations will be ordered over the winter for installation summer 2015.	Hamlet of Coral Harbour with assistance from CGS	Signage for the Monitoring Program Stations will be ordered over the winter for installation summer 2015. Proof of installation will be included with the 2015 Annual Report.	Monitoring Program signage will be inspected on an annual basis and repaired if/when necessary. Proof of repair will be included in the Annual Report.
B-10	The Licensee shall submit to the Board for approval within the lesser of ninety (90) days or upon the filing of any application in relation to the Licence, a Plan for Compliance that clearly demonstrates the ways and means the Licensee will undertake to achieve full compliance with the conditions of this Licence.	<i>Non-compliance</i>	Complete Compliance Plan for Water Licence No. 3BM-COR0813.	Hamlet of Coral Harbour with assistance from CGS as needed	Compliance Plan is submitted with the revised Amendment/Renewal Application January 16, 2015.	Target dates set in Compliance Plan will be met to work towards bringing Water Licence No. 3BM-COR0813 towards full compliance. The Compliance Plan will be updated with the status of outstanding conditions and submitted with the Annual Report or as requested by the NWB.

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<u>PART C</u>	<u>CONDITIONS APPLYING TO WATER USE</u>					
C-2	The annual quantity of water used for all purposed shall not exceed 35,000 cubic metres.	<i>In Compliance</i>	The Hamlet of Coral Harbour has not exceeded the authorized water quantity, however demand increase as the population of the community grows will require more water in the near future.	Hamlet of Coral Harbour	The revised Amendment/Renewal Application January 16, 2015 requests increased water quantity authorization of 45,000 cubic metres annually.	If a greater volume of water authorized is needed to meet community demand prior to the renewed licence expiry, an Amendment Application with additional information on the water source and demand will be submitted to the NWB in a timely fashion.
C-3	The Licensee shall equip all water intake hoses with a screen of an appropriate mesh size to ensure that fish are not entrained and shall withdraw water at a rate such that fish do not become impinged on the screen.	<i>Non-compliance</i>	The intake screen will be inspected to ensure it meets DFO requirements.	Hamlet of Coral Harbour with assistance from CGS	The intake screen will be inspected summer 2015. The NWB will be provided with report on the condition of the intake screen within 60 days of this inspection.	The intake screen will be inspected a minimum of every 5 years. The NWB will be notified in the proceeding year's Annual Report if an intake screen inspection is scheduled for the following year. A report on the condition of the intake screen will be included with the Annual Report when completed.
<u>PART D</u>	<u>CONDITIONS APPLYING TO WASTE DISPOSAL</u>					
D-2	The Licensee shall provide notice to an Inspector annually upon commencing the monitoring program when flow is observed from either the Sewage Disposal Facility, at monitoring station COR-3, or the Wetland Treatment Area at monitoring station COR-5.	<i>Non-compliance</i>	Weekly checks of the Monitoring Stations will begin in May and the Inspector will be notified via email when flow is observed. See B-2 for more information on week Monitoring Station checks.	Hamlet of Coral Harbour	The Inspection will be notified via email as soon as flow is observed at Monitoring Stations COR-3 or COR-5.	Weekly checks of the Monitoring Stations will take place each year from May to August. The Inspector will be notified via email as soon as flow is observed at Monitoring Stations COR-3 or COR-5.

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D-6	All Effluent discharged from the Wetland Treatment Area Final Discharge Point, Monitoring Program Station COR-5, shall be demonstrated to the Not Acutely Toxic under the following tests to be conducted once annually approximately mid-way through discharge:	<i>Non-compliance</i>	The Licensee is requesting this condition be removed from the Water Licence.	Hamlet of Coral Harbour	The requirement to test for Acute lethality to Rainbow Trout and Acute lethality to Daphnia magna is requested to be removed from the Amended/Renewed Water Licence.	The Licensee will compare sample results from the Monitoring Stations to the CCME Water Quality Guidelines for the Protection of Aquatic Life as a means of confirming the effluent discharged from the wetlands area does not have an adverse impact on the surrounding environment and fish habitat.
D-6a	Acute lethality to Rainbow Trout, <i>Oncorhynchus mykiss</i> (as per Environment Canada's Environmental Protection Series Biological Test Method EPS/1/RM/13); and					
D-6b	Acute lethality to the crustacean, <i>Daphnia magna</i> (as per Environment Canada's Environmental Protection Series Biological Test Method EPS/1/RM/14).					
PART E	CONDITIONS APPLYING TO MODIFICATION AND CONSTRUCTION					
E-3	Modifications for which all the conditions referred to in Part E, Item 2, have not been met may be carried out only with written approval from the Board. The Licensee shall provide as-built plans and drawings of the Modifications referred to in this Licence within ninety (90) days of completion of the Modification. These plans and drawings shall be stamped by an Engineer.	<i>In compliance</i>	As-built drawings of the new pump house will be submitted within 90 days of completion.	CGS	As-built drawings of the new pump house will be submitted within 90 days of completion, scheduled for the end of 2015.	As-built drawings of other modifications as approved by the NWB will be submitted when required.

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PART F	CONDITIONS APPLYING TO THE OPERATION AND MAINTENANCE					
F-1	The Licensee shall submit to the Board for approval, within ninety (90) days of issuance of the Licence, an Operations and Maintenance Manual prepared where appropriate in accordance with the "Guidelines for the Preparation of an Operation and Maintenance Manual for Sewage and Solid Waste Disposal Facilities in the Northwest Territories, 1996". The Manual shall take into consideration the comments received during the application and review process and shall contain the following plans:	<i>In compliance</i>	Operation and Maintenance Manual for Water, Sewage and Solid Waste Facilities at Coral Harbour, NU (Nunami Stantec 2010), was previously submitted and contains: Water Distribution System Operations and Maintenance (Section 3), Sewage Disposal Facility Operations and Maintenance (Section 4), Sewage Sludge Management Plan (Section 4.7), Solid Waste Disposal Facilities Operations and Maintenance (Section 5), Spill Contingency Plan (Section 6.2), Spill Contingency Forms (Appendix G), and Monitoring Program Quality Assurance/Quality Control Plan. The QA/QC Plan will be updated and separated from the O&M Manual and submitted to the NWB as a stand-alone document.	Hamlet of Coral Harbour with assistance from CGS	The revised Water Distribution Facility O&M Manual for the new water pumphouse will be submitted to the NWB for approval upon completion of construction. The updated QA/QC Plan, with cover letter from an accredited lab confirming acceptance, will be submitted to the NWB by April 30, 2015.	O&M Manuals and QA/QC Plan will be reviewed annually and the NWB will be notified of any changes/updates in the Annual Report.
F-1a	<i>Water Distribution Facility Operation and Maintenance (O&M) Plan;</i>					
F-1b	<i>Sewage Disposal Facility Operation and Maintenance (O&M) Plan;</i>					
F-1c	<i>Sewage Sludge Management Plan;</i>					
F-1d	<i>Solid Waste Disposal Facility Operation and Maintenance (O&M) Plan;</i>					
F-1e	<i>Spill Contingency Plan; and</i>					
F-1f	<i>Monitoring Program Quality Assurance/Quality Control Plan (QA/QC Plan).</i>					
F-2	The Licensee shall review the O&M Manual referred to in Part F, Item 1 as required by changes in operation and/or technology and modify accordingly. Revisions are to be submitted in the form of an Addendum to be included with the Annual Report.	<i>In compliance - ongoing</i>	The updated Water Distribution Facility O&M Manual for the new pumphouse and truck fill will be submitted to the NWB for approval upon completion of construction.	Hamlet of Coral Harbour with assistance from CGS	The revised O&M Manual for the new water pumphouse will be submitted to the NWB for approval upon completion of construction.	The O&M Manual will be reviewed annually and necessary revisions will be submitted as an Addendum to the annual report.

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F-3	An inspection of all engineered facilities related to the management of water and waste shall be carried out annually in July or August by a Geotechnical Engineer. The engineer's report shall be submitted to the Board within sixty (60) days of the inspection, including a covering letter from the Licensee outlining an implementation plan addressing each of the Engineer's recommendations.	<i>Non-compliance</i>	No annual inspections were conducted by a Geotechnical Engineer from 2008-2014 therefore no reports can be provided to the NWB.	CGS Rankin Inlet Municipal Engineer	Annual inspection of the engineered facilities will be completed by the CGS Municipal Engineer. The 2015 annual inspection will take place in July or August.	Annual inspection of the engineered facilities and sewage lagoon berms to be completed by the CGS Municipal Engineer. If any issues are found with the berms, 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 H	CONDITIONS APPLYING TO THE MONITORING PROGRAM					
H-1	<p>The Licensee shall maintain Monitoring Program Stations at the following locations:</p> <p>COR-1 - Raw water supply intake at Post River - Active (volume)</p> <p>COR-2 - Raw Sewage from pump-out truck - Active (volume)</p> <p>COR-3 - Sewage on upstream side of lagoon berm - New</p> <p>COR-4a - Station within the Wetland Treatment Area - New</p> <p>COR-4b - Station within the Wetland Treatment Area - New</p> <p>COR-4c - Station within the Wetland Treatment Area - New</p> <p>COR-5 - Final Discharge Point of the Wetland Treatment Area - New</p> <p>COR-6 - Run-off from the Solid Waste Disposal Facility - Active</p>	<i>Non-compliance</i>	Required sampling will occur at the Monitoring Program Stations described.	Hamlet of Coral Harbour with assistance from CGS	Sampling results will be included in the Annual Reports to be submit prior to the March 31st deadline each year.	Sampling will take place annually and results will be included in the Annual Reports to be submit prior to the March 31st deadline each year.

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H-2	The Licensee shall sample at the Monitoring Program Stations COR-3, COR-4a, COR-4b, COR-4c and COR-5 once at the beginning, middle and near the end of the open water season when during periods of observed flow. Samples shall be analyzed for the following parameters: BOD ₅ , Faecal 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, Total Mercury, Total Organic Carbon	<i>Non-compliance</i>	Required sampling will occur at the Monitoring Program Stations described.	Hamlet of Coral with assistance from CGS as needed	Sampling results will be included in the Annual Reports to be submit prior to the March 31st deadline each year.	Sampling will take place annually and results will be included in the Annual Reports to be submit prior to the March 31st deadline each year.
H-3	The Licensee shall sample at the Monitoring Program Station COR-6 annually during the periods of runoff or seepage. Samples shall be analyzed for the following parameters: Total Petroleum Hydrocarbons, Polycyclic Aromatic Hydrocarbons, BTEX, BOD ₅ , Faecal Coliforms, pH, Conductivity, Total Suspended Solids, Oil and Grease, Nitrate Nitrite, Ammonia Nitrogen, Total Phenols, Total Alkalinity, Total Hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Total Arsenic, Total Cadmium, Total Copper, Total Chromium, Total Iron, Total Lead, Total Mercury, Total Nickel	<i>Non-compliance</i>	Required sampling will occur at the Monitoring Program Stations described.	Hamlet of Coral Harbour	Sampling results will be included in the Annual Reports to be submit prior to the March 31st deadline each year.	Sampling will take place annually and results will be included in the Annual Reports to be submit prior to the March 31st deadline each year.

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H-4	The Licensee shall report all results of acute toxicity testing as required under Part D, Item 6 within the Annual Report as per Part B, Item 1.	<i>Non-compliance</i>	The Licensee is requesting this condition be removed from the Water Licence. Refer to Item D-6.	Hamlet of Coral Harbour	The requirement to test for Acute lethality to Rainbow Trout and Acute lethality to Daphnia magna be removed from the Amended/Renewed Water Licence.	The Licensee will compare sample results from the Monitoring Stations to the CCME Water Quality Guidelines for the Protection of Aquatic Life as a means of confirming the effluent discharged from the wetlands area does not have an adverse impact on the surrounding environment and fish habitat.
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