

PLAN FOR COMPLIANCE LICENCE NO. 3BM-KUG0914 (updated Oct 31, 2014)

Licence Condition		Status of Compliance	Short Term Plan for Compliance	Schedule for Implementation of Short Term Plan for Compliance (including funding status where applicable to municipal developments)	Long Term Plan for Compliance	Schedule for Implementation of Long Term Plan for Compliance (including funding status where applicable to municipal developments)
<u>Part B</u>	<u>General Conditions</u>					
B-1	<p>The Licensee shall file an Annual Report with the Board not later than March 31st of the year following the calendar year reported which shall contain the following information:</p> <ol style="list-style-type: none"> tabular summaries of all data generated under the “Monitoring Program”; the monthly and annual quantities in cubic metres of fresh water obtained at the Water Supply Facilities; monthly annual quantities and summary Summary of modifications and/or major maintenance work carried out on the Water Supply Facilities; List of unauthorised discharge and summary a summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year; Any updates or revisions for manuals and plans (i.e., Operations and Maintenance Manual) as required by changes in operation and/or technology; a summary of any studies or reports requested by the Board that relate to water use or restoration, and a brief description of any future studies planned; and any other details on water use requested by the Board by November 1st of the year being reported 	<p>Current status of Annual Reports:</p> <ul style="list-style-type: none"> 2012 - 2013 updated Missing Reports 2009-2010 is beyond the scope of CGS to look Raw water intake from Coppermine River As-built drawing for water intake submitted. O&M manual for water intake updated. 	<p>Continue monitoring weekly Log Sheet, monthly sampling of waste runoff and test for parameters.</p> <p>CGS continues to help the hamlet in bottle ordering, sampling, testing, technical assistance for Annual Report and documents</p>	<ul style="list-style-type: none"> All annual reports will be submitted on or before March 31st of the following year. 	<p>GN will monitor& ensure Annual Report submission by March 31st of the following year.</p>	<p>Continue Annual report submission with related information & documents</p>
B-2	<p>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.</p>	<p>Monitoring Program updated.</p>	<p>Chlorine test - daily at least 1 sample from each truck. Sewage volume- monthly sampling May-Aug inclusive QA/QC plan submitted for sampling and testing.</p>	<ul style="list-style-type: none"> Monitoring Program in effect since 2013 and continued for each year. Training program as required for current & new operators. 	<p>TRAIN the TRAINER continue for GN staff to train the operator with hand-on-training</p>	<p>MTO and 3rd party training as required .Also Annual Water and Waste water conference facilitates training for hamlet operators.</p>

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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.	Signage at monitoring stations has been Installed on July 2013 and updated in 2014 with direction by AANDC inspector. Signage installed at Monitoring stations.	Facility signs to ordering from vendors and installation by Hamlet with official languages of Nunavut.	<ul style="list-style-type: none"> • Environmental sampling from monitoring stations each year during summer and fall. • English language for current signage, changes to official languages on proper signs. 	<p>Annual inspection by AANDC inspector during July-Sep.</p> <p>Monitoring stations are site specific and changes by direction of the inspector.</p>	GN staff continues site visits and facility status updating for operation and maintenance. Also, in compliance with Codes and regulatory change.
B-8	The Licensee shall submit one paper copy and one electronic copy of all reports, studies, and plans to the Board. Reports or studies submitted to the Board by the Licensee shall include a detailed executive summary in Inuktitut	Report of Water Source, intake and Water Quality has submitted to the Board including Treatment option.	A&R plan of old lagoon follow up in next year. Inspection for lagoon berm and any sign of leak will be in done by a consultant	Implementation of A&R plan and any other maintenance by next 2015-16 with inspection report.	Study and assessment for water facility with Capital Plan. Lagoon berm inspection 2015.	The Hamlet will request for funding supports to implement the waste reduction plan
B-10	The Licensee shall, for all Plans submitted under this Licence, include a proposed timetable for implementation. Plans submitted, cannot be undertaken without subsequent written Board approval and direction. The Board may alter or modify a Plan if necessary to achieve the legislative objectives and will notify the Licensee in writing of acceptance, rejection or alteration of the Plan.	The compliance Plan already in effect since 2013-14 for water intake, sewage and solid waste management.	Continued to follow for facilities monitoring and will supersede the O&M manual of water system submitted recently.	Compliance plan followed for facilities monitoring and AANDC inspection each year in summer & fall.	Annual review and update of compliance Plan and continued for Long Term until such compliance achieved.	Updating at least once a year during or before summer and fall program.
<u>Part C</u>	<u>Condition applying to Water Uses</u>					
C-1	Obtain all fresh water from the Coppermine River using the Water Supply Facilities or as otherwise approved by the Board in writing.	Only water intake source, but at a deeper location near to previous intake point to reduce turbidity.	Other alternate source to find for emergency situation.	Temporary shake and portable hose for ice water intake if salinity detects over limit, and use of reservoir.		
C-2	Annual quantity of water used for all purposes shall not exceed seventy-seven thousand and fifteen (77,015) cubic metres	Annual consumption remains within the allowable limit. 2013 consumption 56,500 m3	Due to losses in the reservoir when salinity and turbidity exceeds, increase volume will be needed.	For next 5-years, increase volume can be expected over 80,000 m3		
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.	New intake screen in use since 2013 including the new intake lines.	Unless any other issue, intake screen will be for 20 years.			

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C-6	Sediment and erosion control measures shall be implemented prior to and maintained during the operation to prevent entry of sediment into water	Soil erosion detected down the new intake pump house, some repair carried in 2013.	Cover materials will be required for the intake line and IPH, gravels of appropriate sizes with gunny bag	Operation and maintenance plan for next 5-years.	Runoff drainage plan to water source	Relocation of other infrastructure contribute sediment and foreign materials.
<u>Part D</u>	Condition applying Waste Disposal					
D-2	All Effluent discharged from the Sewage Disposal Facilities to the Wetland Treatment Area, at Monitoring Program Station KUG-3, shall not exceed the effluent quality limits	Annual sampling carrying during summer and fall, results confirms the parameters within allowable limits as guided.	Continue the sampling and QA/QC program. CGS remains in assisting the Hamlet for sampling and reporting.	Monitoring and maintenance of wetland facility as needed	Study of wetland characteristics as needed say in 5 years.	
D-3	shall maintain at all times, a freeboard of at least 1.0 metre, or as recommended by a qualified geotechnical engineer and as approved by the Board in writing, for all dams, dykes or other structures intended to contain, withhold, divert or retain water or wastes.	Freeboard maintains near 1.5 m, an over flow discharge pipe monitors the water flow if it happened from snow melts.	Lagoon containment through decanting each year and as necessary.	Maintain the overflow pipe and annual inspection.	Keep the overflow pipe in position until any new device replaced.	
D-5	Shall treat, to the Treatment Objective, Type B Soil in the Landfarm Facility, in a manner in accordance with the Solid Waste Management Operation and Maintenance (O&M) Plan dated March 2007, and any subsequent revisions approved by the Board in writing.	New O&M manual in effect from 2009 for soil storage and remediation.	Plan for stored soil and contaminated spills materials shipping out for every 5- years.	Increase in number of containment measures.	Sean can or metal container with secure storage.	
D-6	All discharge of effluent at Monitoring Station KUG-5, from within the perimeter of the Landfarm Facility, shall not exceed effluent quality limits	Annual sampling (when available) in effect during summer and fall.	Increase the berm height for runoff protection within the facility			
D-7	If effluent does not meet the effluent quality limits of Part D, Item 6 above, it shall be considered hazardous waste and disposed off-site at an approved facility	Remains within the quality of effluent as noted in the allowable limit of parameters.	Plan for more containment on site if shipping out not possible as plan.			
D-9	Sewage Sludge shall only be placed in the Landfarm Facility if the quality is determined to be unsuitable for use as landfill cover and it shall remain only until such time as it is suitable for use as landfill cover or removed disposal at an approved facility or as otherwise approved by the Board in writing	Not yet required. Sludge removal in 10 plus years and as needed.	Decommissioned old sewage lagoon can be used for sludge drying.			
D-11	The Licensee shall provide at least ten (10) day notice to an Inspector, of the intent to discharge effluent from the Landfarm Facility or the Sewage Disposal Facility	Maintaining notification to AANDC inspector when plan for decanting	Hamlet to monitor the coordination and reporting.			
<u>Part E</u>	<u>Conditions Applying To Modification And Construction</u>					
E -2	Licensee may, without written approval from the Board, carry out modifications to the Water Supply and Waste Disposal Facilities provided that modifications are consistent with the terms of this Licence and the requirements are met.	Capital Projects currently involves for water system and modification as necessary. No modification for sewage and solid waste currently				

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E-3	Modifications for which all of 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.	As-built drawings & plans for water intake, treatment and delivery system updated with the Board.				
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 or, if already constructed, within ninety (90) days of issuance of this Licence	Submitted for NWB review				
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Part F	Conditions Applying To 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 updated Manual shall take into consideration of the comments received during the application review process and include the following information where applicable	O&M manual for sewage facility including Spills Contingency Plan, QA/QC plan and emergency maintenance plan submitted to the Board.	<ul style="list-style-type: none">Status of O&M Manual active until any project or change in facility developed.O&M Manual for Solid Waste facility submitted.			
Part G	Conditions Applying To Operation And Maintenance					
G-1	The Licensee shall submit to the Board for approval an <i>Abandonment and Restoration Plan</i> at least six (6) months prior to abandoning any facilities or upon submission of the final design drawings for the construction of new facilities to replace existing ones.	A&R plan submitted for old sewage lagoon. No A&R plan for water or solid waste facilities.	A&R Plan for sewage lagoon started in2013 with sampling and reporting			

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Part H	<u>Conditions Applying To The Monitoring Program</u>					
H-1	The Licensee shall maintain Monitoring Program Stations at the following locations; KUG-1, KUG-2, KUG-3, KUG-4, KUG-5	Annual monitoring in effect since 2013 and sampling when available in summer and fall.	Continue monitoring for next 5-years.		Annual Report includes the annual volume of water used.	The Licensee continue the records and submission of Annual Report with water uses and source quantity.
H-2	The Licensee shall measure and record, in cubic metres, the monthly and annual quantities of water pumped at Monitoring Program Station KUG-1, for all purposes	Compliance with Annual reports and monitoring program.	Continue with fluid manager records.			Report on status prior to March 31 st of the following year for each year.
H-3	Sample monthly at Monitoring Program Station KUG-2, KUG-3 and KUG-4 during periods of observed flow and annual discharges, to be analyzed for parameters:	Continued each year during summer and fall				
H-4	Shall carry out inspections at Monitoring Program Stations KUG-2 and KUG-4 weekly from May to October inclusive, to determine effluent or water flow in order to fulfill the monitoring requirements of Part H, Item 3.	Continued.				