

**Hamlet of Arviat - Plan for Compliance**

**License # 3AM-ARV1015**

**December 2010**

License 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)
<b>Part B:</b>	<b>General Conditions</b>					
B-1	This License incorporates a previously issued Type B license, NWB3ARV0308, to the Hamlet of Arviat, which allowed for the use of water and disposal of waste.	In Compliance				
B-2	In the event of a conflict between the previously issued Type B licenses and this Type A License, the condition of this Type A License prevails.	In Compliance				
B-3	The Licensee shall file an annual report with the Board for review, no later than March 31st of the year following the calendar year being reported, which shall contain the following information collected during that period:	In Compliance	Refer to "2010 Annual Report" submitted to NWB.	Funding allocated as part of 2010 work plan.		
B-3-a	Tabular summaries of all data generated under the monitoring program	In Compliance	Refer to "2010 Annual Report" submitted to NWB.	Funding allocated as part of 2010 work plan.		
B-3-b	the monthly and annual quantities of freshwater obtained from all sources:	In Compliance	Refer to "2010 Annual Report" submitted to NWB.	Funding allocated as part of 2010 work plan.		
B-3-c	the monthly and annual quantities of wastes removed for disposal from the water supply facilities and waste disposal facilities:	In Compliance	Refer to "2010 Annual Report" submitted to NWB.	Funding allocated as part of 2010 work plan.		
B-3-d	a summary of modifications and/or major maintenance work carried out on Water Supply Facilities and Water Disposal Facilities including all associated structures and facilities;	In Compliance	Refer to "2010 Annual Report" submitted to NWB.	Funding allocated as part of 2010 work plan.		
B-3-e	A list of unauthorized discharges and summary of follow-up actions taken;	In Compliance	Refer to "2010 Annual Report" submitted to NWB.	Funding allocated as part of 2010 work plan.		
B-3-f	Any revisions to approved plans and manuals as required by Part B, Item 12 submitted in the form of an addendum;	In Compliance	Refer to "2010 Annual Report" submitted to NWB.	Funding allocated as part of 2010 work plan.		
B-3-g	A summary of the status of implementation of the Work Plan, including an indication of the status of funding required to carry out the Work Plan and an estimated timeframe for receipt of the necessary funding;	In Compliance	Refer to "2010 Annual Report" submitted to NWB.	Funding allocated as part of 2010 work plan.		
B-3-h	A fiscal update of the Licensee's funding commitments associated with all facilities governed by this License including all associated structures and facilities for the upcoming year and identifying shortfalls in such funding commitments for the previous year;	In Compliance	Refer to "2010 Annual Report" submitted to NWB.	Funding allocated as part of 2010 work plan.		No specific funding identified beyond 2010, with the exception of annual Hamlet operating budget allocations for the GN.

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B-3-i	A summary of abandonment and restoration work completed during the year and an outline of any work anticipated for the next year;	In Compliance	Refer to "2010 Annual Report" submitted to NWB.	Funding allocated as part of 2010 work plan.		
B-3-j	A summary of any studies, reports and plans requested by the Board that relate to Waste disposal, water use or reclamation, and provide a brief description of any future studies planned;	In Compliance	Refer to "2010 Annual Report" submitted to NWB.	Funding allocated as part of 2010 work plan.		
B-3-k	Any other details on water use or waste disposal requested by the Board by November 1st of the year being reported.	In Compliance	Refer to "2010 Annual Report" submitted to NWB.	Funding allocated as part of 2010 work plan.		
B-4	The Licensee shall comply with the "Monitoring Program" described in this License, and any amendments to the monitoring program as may be made from time to time, pursuant to the conditions of this License.	In Compliance	Proposed changes to program submitted in "Environmental Monitoring Program and QA/QC Plan" (Dec 2010)	Funding allocated as part of 2010 work plan.		
B-5	The monitoring program and compliance dates specified in the License may be modified at the discretion of the Board.	In Compliance	Proposed changes to program submitted in "Environmental Monitoring Program and QA/QC Plan" (Dec 2010)	Funding allocated as part of 2010 work plan.		
B-6	Meters, devices or other such methods used for measuring the volumes of water used and waste discharged shall be installed, operated and maintained by the Licensee to the satisfaction of an Inspector.	Not in Compliance	Recommendations provided in "2010 Annual Report" and "Wolf River Water Supply Intake Impact Assessment Report"	No funding allocated for 2011.	Install water flow meter at pump house or suitable alternative to monitoring water volumes taken from river.	Funding application to follow NWB approval of recommendations.
B-7	The Licensee shall, within 90 day after the first visit by the Inspector following approval of this License, post the necessary signs, to identify the stations of the Monitoring Program. All signage postings shall be in Inuktitut and English.	Not in Compliance	Install signs after NWB approval of "Environmental Monitoring and QA/QC Plan" (Dec 2010).	No funding allocated for 2011.	Install after NWB approval of recommendations.	Funding application to follow NWB approval of recommendations.
B-8	The Licensee shall, for all plans submitted under this License, 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.	In Compliance	Refer to submissions made as per 2010 workplan.			

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B-9	In the event that a plan is not found acceptable to the Board, the Licensee shall, within thirty (30) days of notification by the Board, provide a revised version to the Board, for approval in writing.	In Compliance				
B-10	The Licensee shall, for all plans submitted under this License, implement the plan as approved by the Board in writing.	In Compliance				
B-11	Every plan to be carried out pursuant to the terms and conditions of this License shall become a part of this License, 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 the License should be contemplated in the development of a plan where appropriate.	In Compliance				
B-12	The Licensee shall review the plans and manuals referred to in this License as required by changes in operation and/or technology and revise accordingly. Revisions to the plans or manuals are to be submitted in the form of an addendum to be included with the annual report required by Part B, Item 3, complete with a revisions list detailing where significant content changes are made.	In Compliance				
B-13	The Licensee shall ensure a copy of this License is maintained at the municipal office and at the site of operation at all times.	In Compliance				
B-14	Any communication with respect to this License shall be made in writing to the attention of Manager of Licensing, Nunavut Water Board	In Compliance				
B-15	Any notice made to an Inspector shall be made in writing to the attention of: Water Resources Officer, Nunavut District, Nunavut Region	In Compliance				
B-16	The Licensee shall submit one (1) paper copy and one (1) electronic copy of all reports, studies, and plans to the Board or as otherwise requested by the Board. Reports or studies submitted to the Board by the Licensee shall include an executive summary in English and Inuktitut.	In Compliance except for Translations	Translations of executive summaries into Inuktitut needed.	Specific funding for translations not provided in 2010 workplan. Hamlet requested to provide translations.	Await NWB approval of documents.	Funding application to follow NWB approval of documents.
B-17	The Licensee shall ensure that any document(s) or correspondence submitted by the Licensee to the Board, is received by the Board and maintain on file a copy of the acknowledgment of receipt issued by the Manager of Licensing.	In Compliance				

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B-18	This License is assignable as provided for in Section 44 of the Act.	In Compliance				
B-19	The expiry or cancellation of this License does not relieve the Licensee from any obligation imposed by the License, or any other regulatory requirement.	In Compliance				
B-20	The Licensee shall file a Water License Renewal Application with the Board no later than September 1, 2014	In Compliance				
<b>Part C: Conditions Applying to Water Use and Management</b>						
C-1	The Licensee shall obtain all freshwater from Wolf River at Monitoring Program Station ARV-1 as otherwise approved by the Board in writing.	In Compliance				
C-2	The annual quantity of water used for all purposes shall not exceed eighty-six thousand (86,000) cubic meters per annum, or as otherwise approved by the Board in writing.	In Compliance				
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.	Not in Compliance	New intake required. See details in "Wolf River Water Intake Assessment".	Await DFO and NWB approval of recommendations.	Get new intake screen at water intake after DFO and NWB approval of recommendations.	Apply for funding to get new intake screen at water intake after NWB approval.
C-4	The Licensee shall submit to the Board for approval in writing by December 31, 2010, as-built drawings stamped and signed by an Engineer confirming compliance with the DFO guideline "Freshwater Intake End of Pipe Fish Screen Guideline". The drawings shall include information regarding the operating capacity of the pump used and the intake screen size.	Not in Compliance	As-built drawings included in "Wolf River Water Intake Impact Assessment Report". Recommendations to comply with DFO guidelines included in report.	Await DFO information and NWB approval of recommendations.	Get new intake screen at water intake after DFO and NWB approval.	Apply for funding to purchase and install new intake after NWB approval.
C-5	The Licensee shall not remove any material from below the ordinary high water mark of any Water body.	In Compliance				
C-6	The Licensee shall not cause erosion to the banks of any body of Water and shall provide necessary controls to prevent such erosion.	In Compliance				
C-7	Sediment and erosion control measures shall be implemented prior to and maintained during construction and operation to prevent entry of sediment into Water.	In Compliance				

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C-8	The Licensee shall submit to the Board for review by December 31, 2010, the Water balance assessment for Wolf River and an assessment of the potential effects of drawdown of Wolf River on the aquatic environment. The assessment shall include recommended mitigation measures and an implementation schedule.	In Compliance	"Wolf River Water Intake Assessment" report submitted to NWB for approval.	Funding allocated as part of 2010 work plan.	Recommendations for new or modified intake screen submitted to NWB for approval.	Apply for funding after NWB approval.
C-9	The Licensee shall maintain the Water Supply Facilities to the satisfaction of the Inspector.	In Compliance				
	<b>Part D: Conditions Applying to Waste Disposal and Management</b>					
D-1	The Licensee shall direct all Sewage to the Sewage Disposal Facility.	In Compliance				
D-2	All Effluent discharged from the Sewage Disposal Facilities at Monitoring Program Station ARV-4 shall not exceed the following Effluent quality limits, or as otherwise approved by the Board in writing:	Not in Compliance	Recommended changes to Monitoring Program for approval by NWB. Details in "Environmental Monitoring Program and QA/QC Plan" December 2010.	Funding allocated as part of 2010 work plan.	Initiate recommendations after NWB approval.	Funding application to follow NWB approval of recommendations.
D-3	A Freeboard limit of 1.0 meter, or as recommended by a qualified Geotechnical Engineer and as approved by the Board in writing, shall be maintained at all dams, dyke or structures intended to contain, withhold, divert or retain Water or Wastes.	In Compliance				
D-4	The Licensee shall provide at least ten (10) days notification to an Inspector, prior to initiating any planned discharges from any Waste Disposal Facility.	In Compliance				
D-5	The Licensee shall submit to the Board for approval in writing by December 31, 2010, a Sewage Disposal Facility Report. The Report shall include:	In Compliance	"Sewage Disposal Facility Report" submitted to NWB for approval.	Funding allocated as part of 2010 work plan.		
D-5-a	As-built drawings and design plans of the Sewage Disposal Facility (including the lagoon and wetland) signed and stamped by an Engineer;	In Compliance	"Sewage Disposal Facility Report" submitted to NWB for approval.	Funding allocated as part of 2010 work plan.		
D-5-b	A preliminary discharge and wetland hydrology assessment;	In Compliance	"Sewage Disposal Facility Report" submitted to NWB for approval.	Funding allocated as part of 2010 work plan.		
D-5-c	The results of an inspection by a Geotechnical Engineer of the Sewage Disposal Facility lagoon including its berms and an evaluation of the impact of sewage seepage through the lagoon berms on the environment;	Not in Compliance	See submission "Sewage Disposal Facility Report" (Dec 2010)	Await NWB approval of recommendations.	Implement approval recommendations.	Apply for funding after receipt of NWB approval of recommendations.

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D-5-d	An evaluation of the long term impacts of the Sewage Disposal Facility on the environment;	In Compliance	"Sewage Disposal Facility Report" submitted to NWB for approval.	Funding allocated as part of 2010 work plan.		
D-5-e	A Sludge Management Plan that addresses sludge assessment and disposal methods. The Plan shall be incorporated in to the Sewage Disposal Facility Operations and Maintenance Manual referred to in Part F Item 1b;	In Compliance	"Sewage Disposal Facility Report" submitted to NWB for approval.	Funding allocated as part of 2010 work plan.		
D-5-f	Recommended measures to optimize the Sewage Disposal Facility; and	In Compliance	"Sewage Disposal Facility Report" submitted to NWB for approval.	Funding allocated as part of 2010 work plan.		
D-5-g	A schedule for implementing recommended measures.	In Compliance	"Sewage Disposal Facility Report" submitted to NWB for approval.	Funding allocated as part of 2010 work plan.		
D-6	The Licensee shall, prior to commissioning of the New Solid Waste Disposal Facility, or as otherwise approved by the Board in writing:	Not Applicable Yet				
D-6-a	Dispose of and contain all non-Hazardous, non-bulky metal, solid Waste at the Solid Waste Disposal Facility;	Not Applicable Yet				
D-6-b	Dispose of and contain all bulky metal Waste at the Bulky Metals Area; and	Not Applicable Yet				
D-6-c	Segregate and securely store all hazardous materials and Hazardous Waste within the Hazardous Waste Storage Area in a manner as to prevent the deposit of deleterious substances into any Water, until such a time that the materials have been removed for proper disposal at a licensed facility.	Not Applicable Yet				
D-7	The Licensee shall not open burn plastics, wood treated with preservatives, electric wire, styrofoam, asbestos or painted wood to prevent the deposition of Waste materials of incomplete combustion and/or leachate from contaminated ash residual, from impacting any surrounding Waters, or as otherwise approved by the Board in writing.	In Compliance	Recommendations included in "Solid Waste Management Facility O&M Plan, 2010". Training of staff for use of O&M Plans completed in 2010.	Funding allocated as part of 2010 work plan.	Annual monitoring.	
D-8	The Licensee shall maintain records of all Waste removed from site and records of confirmation of proper disposal of removed Waste. These records shall be made available to an Inspector upon request.	In Compliance	Recommendations included in "Solid Waste Management Facility O&M Plan, 2010" and "Environmental Contingency Plan". Training of staff for use of O&M Plans completed in 2010.	Funding allocated as part of 2010 work plan.	Annual monitoring.	

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D-9	The Licensee shall store and contain all Petroleum Hydrocarbon Impacted Soil in a manner as to prevent the deposit of deleterious substances into any Water.	Not in Compliance	Recommendations included in "Solid Waste Management Facility O&M Plan, 2010"	Await NWB approval of recommendations.	Construction of landfarm at New Solid Waste Management site.	Apply for funding after NWB approval of recommendations.
D-10	The Licensee shall submit to the Board for approval in writing, at least sixty (60) days prior to the commissioning of a Hydrocarbon Impacted Soil Storage and Treatment Facility, a Hydrocarbon Impacted Soil Storage and Treatment Facility Management Plan including proposed Effluent quality limits for Monitoring Program Station ARV-10.	Not Applicable Yet				
D-11	The Licensee shall dispose of all Effluent from contaminated soil areas and the Hydrocarbon Impacted Soil Storage and Treatment Facility, that exceed Effluent quality limits approved by the Board in Part D Item 14 (c) and Part D Item 10 respectively, off site at a licensed hazardous waste facility, or as otherwise approved by the Board in writing.	Not Applicable Yet				
D-12	The discharge locations for all treated Effluents from the Hydrocarbon Impacted Soil Storage and Treatment Facility and contaminated soil areas shall be located at a minimum of thirty one (31) meters from the ordinary high water mark of any Water body and where direct or indirect flow into a Water body is not possible and no additional impacts are created.	Not Applicable Yet				
D-13	The Licensee shall, prior to the removal of any treated soil from the Hydrocarbon Impacted Soil Storage and Treatment Facility, obtain written documentation from the Government of Nunavut Environmental Protection Service, confirming that the soils have been treated in accordance with the Government of Nunavut's "Environmental Guideline for Contaminated Site Remediation, 2009" for its intended use.	Not Applicable Yet				
D-14	The Licensee shall submit to the Board for approval in writing by December 31, 2010, a Solid Waste Management Report. The Report shall include:	In Compliance	"Solid Waste Management Report" submitted to NWB for approval in December 2010.	Funding allocated as part of 2010 work plan.		
D-14-a	As-built drawings of the Solid Waste Disposal Facility, Hazardous Waste Storage Area, and Bulky Metals Area, signed and stamped by an Engineer;	In Compliance	"Solid Waste Management Report" submitted to NWB for approval in December 2010.	Funding allocated as part of 2010 work plan.		

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D-14-b	Capacity assessment of the Solid Waste Disposal Facility;	In Compliance	"Solid Waste Management Report" submitted to NWB for approval in December 2010.	Funding allocated as part of 2010 work plan.		
D-14-c	An inventory and assessment of contaminated soil and water at the Solid Waste Disposal Facility, Bulky Metals Area, and Hazardous Waste Storage Area, and a plan for the treatment and disposal of contaminated soil and water including proposed Effluent quality limits for Monitoring Program Station ARV-11;	In Compliance	"Solid Waste Management Report" submitted to NWB for approval in December 2010.	Funding allocated as part of 2010 work plan.		
D-14-d	Recommendations for Water and wastewater containment, treatment, and drainage control. This Plan shall be incorporated into the Solid Waste Disposal Facility Operations and Maintenance Plan referred to in Part F Item 2d.	In Compliance	"Solid Waste Management Report" submitted to NWB for approval in December 2010.	Awaiting NWB approval of recommendations.	Complete upon receipt of NWB approval of recommendations.	Apply for funding following NWB approval of recommendations.
D-14-e	Recommended measures to optimize solid waste management; and	In Compliance	"Solid Waste Management Report" submitted to NWB for approval in December 2010.	Funding allocated as part of 2010 work plan.		
D-14-f	A schedule for implementing recommended measures.	In Compliance	"Solid Waste Management Report" submitted to NWB for approval in December 2010.	Funding allocated as part of 2010 work plan.		
D-15	Licensee shall implement measures to ensure hazardous materials and/or leachate from the Waste Disposal Facilities does not enter Water.	Not in Compliance	Recommendations provided in "Solid Waste Management Report"	Awaiting NWB approval of recommendations.	Conduct recommended work after NWB approval of recommendations.	Apply for funding after NWB approval recommendations.
D-16	Licensee shall, annually between the months of June and September, undertake a geotechnical inspection to be carried out by a Geotechnical Engineer that takes into account all facilities intended to contain, withhold, divert or retain Water or Wastes. The inspection shall be conducted in accordance with the Canadian Dam Safety Guidelines, where applicable.	Not in Compliance	See submission "Sewage Disposal Facility Report" (Dec 2010)	2011 Funding not confirmed.	Conduct work as required with a recommended schedule for future inspections.	Apply for funding after NWB approval of recommendations.
D-17	The Licensee shall, within sixty (60) days of completion of the geotechnical inspection referred to in Part D, Item 16, submit to the Board for review, the Geotechnical Engineer's inspection Report. The Licensee shall include a cover letter outlining an implementation plan to address the recommendations of the Geotechnical Engineer.	Not in Compliance	See submission "Sewage Disposal Facility Report" (Dec 2010)	2011 Funding not confirmed.	Conduct work as required with a recommended schedule for future inspections.	Apply for funding after NWB approval of recommendations.



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D-18	The Licensee shall maintain and operate all Water Supply Facilities and Waste Disposal Facilities in such a manner as to prevent structural failure.	In Compliance				
<b>Part E: <u>Conditions Applying to Modifications and Construction</u></b>						
E-1	The Licensee shall, at least sixty (60) days prior to construction of the New Solid Waste Disposal Facility and/or the Hydrocarbon Impacted Soil Storage and Treatment Facility, or any dams, dykes or structures intended to contain, withhold, divert or retain Water or Wastes, submit to the Board, for approval in writing, final design Plans and construction drawings signed and stamped by an Engineer.	Not Applicable Yet				
E-2	The Licensee shall obtained approval from the Board in writing prior to the construction of any dams, dykes or structures intended to contain, withhold, divert or retain Water or Wastes.	In Compliance				
E-3	The Licensee may, without written approval from the Board, carry out Modifications provided that such Modifications are consistent with the terms of this License and the following requirements are met:	In Compliance				
E-3-a	The Licensee has notified the Board in writing of such proposed Modifications at least sixty (60) days prior to beginning the Modifications to include:	In Compliance				
E-3-a-i	A description of the facilities and/or works to be constructed;	In Compliance				
E-3-a-ii	The proposed location of the structure(s);	In Compliance				
E-3-a-iii	Identification of any potential impacts to the receiving environment;	In Compliance				
E-3-a-iv	A description of any monitoring required, including sampling locations, parameters measured and frequencies of sampling;	In Compliance				
E-3-a-v	Schedule for construction;	In Compliance				
E-3-a-vi	Drawings of engineered structures signed and stamped by an Engineer; and	In Compliance				
E-3-a-vii	Proposed sediment and erosion control measures.	In Compliance				
E-4	Modifications for which any of the conditions referred to above have not been met can be carried out only with approval from the Board in writing.	In Compliance				

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E-5	Modifications for which any of the conditions referred to above have not been met can be carried out only with approval from the Board in writing.	In Compliance				
<b>Part F: Conditions Applying to Operations and Maintenance</b>						
F-1	The Licensee shall, within sixty (60) days following Board approval of the Sewage Disposal Facility Report referred to in Part D, Item 5, submit to the Board, for approval in writing, a revision to the Plan entitled "Sewage Treatment Facility Operation and Maintenance (O&M) Plan, Hamlet of Arviat" May 2009, revised May 2010, to address the following:	In Compliance	Update O&M Plans to include new license requirements following NWB review of report.	Funding for update of O&M Plan not allocated yet.	Implement after NWB comments.	Apply for funding after receipt of NWB comments.
F-1-a	Requirements of the License;	In Compliance	Update O&M Plans to include new license requirements following NWB review of report.	Funding for update of O&M Plan not allocated yet.	Implement after NWB comments.	Apply for funding after receipt of NWB comments.
F-1-b	Sludge Management Plan referred to in Part D Item 5e; and	In Compliance	Update O&M Plans to include new license requirements following NWB review of report.	Funding for update of O&M Plan not allocated yet.	Implement after NWB comments.	Apply for funding after receipt of NWB comments.
F-1-c	Results of the Sewage Disposal Facility Report referred to in Part D Item 5.	In Compliance	Update O&M Plans to include new license requirements following NWB review of report.	Funding for update of O&M Plan not allocated yet.	Implement after NWB comments.	Apply for funding after receipt of NWB comments.
F-2	The Licensee shall, within sixty (60) days following Board approval of the Solid Waste Disposal Facility Report referred to in Part D Item 14, submit to the Board, for approval in writing, a revision to the Plan entitled "Solid Waste Management Facility Operation and Maintenance (O&M) Plan, Hamlet of Arviat" January 2009, revised May 2010, to address the following:	In Compliance	Update O&M Plans to include new license requirements following NWB review of report.	Funding for update of O&M Plan not allocated yet.	Implement after NWB comments.	Apply for funding after receipt of NWB comments.
F-2-a	Requirements of the License;	In Compliance	Update O&M Plans to include new license requirements following NWB review of report.	Funding for update of O&M Plan not allocated yet.	Implement after NWB comments.	Apply for funding after receipt of NWB comments.
F-2-b	Bulky Waste Management Plan;	In Compliance	Update O&M Plans to include new license requirements following NWB review of report.	Funding for update of O&M Plan not allocated yet.	Implement after NWB comments.	Apply for funding after receipt of NWB comments.
F-2-c	Hazardous Waste Management Plan including Hazardous Waste containment and segregation measures, and procedures for the movement of Hazardous Waste;	In Compliance	Update O&M Plans to include new license requirements following NWB review of report.	Funding for update of O&M Plan not allocated yet.	Implement after NWB comments.	Apply for funding after receipt of NWB comments.

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F-2-d	Recommendations for Water and wastewater containment, treatment, and drainage control as referred to in Part D Item 14(d); and	In Compliance	Update O&M Plans to include new license requirements following NWB review of report.	Funding for update of O&M Plan not allocated yet.	Implement after NWB comments.	Apply for funding after receipt of NWB comments.
F-2-e	Results of the Solid Waste Disposal Facility Report referred to in Part D Item 14.	In Compliance	Update O&M Plans to include new license requirements following NWB review of report.	Funding for update of O&M Plan not allocated yet.	Implement after NWB comments.	Apply for funding after receipt of NWB comments.
F-3	The Licensee shall, at least three (3) months prior to commissioning the New Solid Waste Disposal Facility and/or Hydrocarbon Impacted Soil Storage and Treatment Facility, submit to the Board, for approval in writing, a revised Solid Waste Management Facility Operations and Maintenance (O&M) Plan referred to in Part F Item 2 to address the New Solid Waste Disposal Facility and/or Hydrocarbon Impacted Soil Storage and Treatment Facility.	Not Applicable Yet				
F-4	The Licensee shall, in preparation of the revised plan referred to in Part F, Item 3, consult Environment Canada for guidance related to Petroleum Hydrocarbon Impacted Soils storage and treatment facility design, siting, operation, monitoring, sampling and analytical methods, decommissioning and closure, as well as record keeping and reporting.	Not Applicable Yet				
F-5	The Licensee shall, by December 31, 2010, submit to the Board for review, an Addendum to the approved Plan entitled "Environmental Emergency Contingency Plan, Hamlet of Arviat" May 2009, revised May 2010, to address reviewers' comments including the following:	In Compliance	"Addendum to Environmental Emergency Contingency Plan" submitted to NWB in Dec 2010	Funding allocated as part of 2010 work plan.		
F-5a	Procedures for the movement of Hazardous Waste;	In Compliance	"Addendum to Environmental Emergency Contingency Plan" submitted to NWB in Dec 2010	Funding allocated as part of 2010 work plan.		
F-5-b	Contact information for the Government of Nunavut Department of Environment Manager of Pollution; and	In Compliance	"Addendum to Environmental Emergency Contingency Plan" submitted to NWB in Dec 2010	Funding allocated as part of 2010 work plan.		
F-5-c	Detailed information regarding clean-up methods/procedures for spills on Water or ice.	In Compliance	"Addendum to Environmental Emergency Contingency Plan"	Funding allocated as part of 2010 work plan.		
F-6	If, during the period of this License, an unauthorized discharge of Waste and or Effluent occurs, or if such discharge is foreseeable, the Licensee shall:	In Compliance	"Addendum to Environmental Emergency Contingency Plan" submitted to NWB in Dec 2010	Funding allocated as part of 2010 work plan.		

**Hamlet of Arviat - Plan for Compliance**

**License # 3AM-ARV1015**

**December 2010**

License 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)
F-6-a	Employ as required, the approved Environmental Emergency Contingency Plan referred to in Part F Item 5;	In Compliance	"Addendum to Environmental Emergency Contingency Plan" submitted to NWB in Dec 2010	Funding allocated as part of 2010 work plan.		
F-6-b	Report the incident immediately via the 24-Hour Spill Reporting Line (867) 920-8130 and to the Inspector at (867) 975-4295; and	In Compliance	"Addendum to Environmental Emergency Contingency Plan" submitted to NWB in Dec 2010	Funding allocated as part of 2010 work plan.		
F-6-b	For each spill occurrence, submit a detailed report to the Inspector, no later than thirty (30) days after initially reporting the event, which includes the amount and type of spilled product, the GPS location of the spill, and the measures taken to contain, clean up and restore the spill site.	In Compliance	"Addendum to Environmental Emergency Contingency Plan" submitted to NWB in Dec 2010	Funding allocated as part of 2010 work plan.		
<b>Part G: Conditions Applying to Abandonment and Restoration and Closure</b>						
G-1	The Licensee shall, by December 31, 2010, submit to the Board, for review, an interim Abandonment and Restoration Plan for the Solid Waste Disposal Facility, Bulky Metals Area, Hazardous Waste Storage Area and any contaminated sites identified in the Solid Waste Management Report referred to in Part D Item 14 (c). The Plan shall incorporate, where applicable, the appropriate sections described in Part G Item 3.	In Compliance	"Solid Waste Disposal Facility Abandonment and Restoration Plan" to be submitted to NWB in Jan 2011.	Funding allocated as part of 2010 work plan.		
G-2	The Licensee shall, by December 31, 2010, submit to the Board, for approval in writing, a Final Abandonment and Restoration Plan for the two abandoned sewage lagoons. The Plan shall incorporate, where applicable, the appropriate sections described in Part G Item 3.	In Compliance	"Abandoned Sewage Lagoons Abandonment and Restoration Plan" Report submitted to NWB in Dec 2010.	When approved by NWB, need to apply for funding to carry out recommendations.		

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G-3 The Licensee shall, at least six (6) months prior to abandoning any facilities or upon submission of final design drawings for the construction of new facilities to replace existing ones, submit to the Board, for approval in writing, a Final Abandonment and Restoration Plan for the facilities being decommissioned. The Plan shall incorporate, where applicable, information on the following: a. Water intake facilities; b. The water treatment and waste disposal sites and facilities; c. Former dump sites; d. Petroleum and chemical storage areas; e. Any site affected by waste spills; f. Leachate prevention; g. An implementation and completion schedule; h. Maps delineating all disturbed areas, and site facilities; i. Consideration of altered drainage patterns; j. Type and source of cover materials; k. Future area use; l. Hazardous Wastes; and m. A proposal identifying measures by which restoration costs will be financed by the Licensee upon abandonment.	Not Applicable Yet				
G-4 The Licensee shall carry out progressive reclamation of any Water Supply Facilities and Waste Disposal Facilities no longer required for the Licensee's operations.	Not in compliance.	Submissions with recommendations submitted in December 2010.	Awaiting NWB approval of recommendations.	Recommendations provided in "Abandoned Sewage Lagoons Abandonment and Restoration Plan" Report submitted to NWB in Dec 2010.	Application for funding to follow NWB approval of recommendations.
G-5 In order to promote growth of vegetation and the needed microclimate for seed deposition, all disturbed surfaces shall be prepared by ripping, grading, or scarifying the surface to conform to the natural topography.	Not Applicable Yet	Sampling results included in "Solid Waste Management Report" Dec 2010.	Will only occur when abandonment and restoration activities are undertaken in the future.		
G-6 The Licensee shall, prior to the use of reclaimed soils that have been contaminated by hydrocarbons, or soils referred to in Part D, Item 14(c), consult with the Government of Nunavut, Department of Environment and obtain written confirmation that the soil meets the objectives as outlined in the Government of Nunavut's Environmental Guideline for Contaminated Site Remediation, March 2009 (Revised).	Not Applicable Yet				

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G-7	The Licensee shall complete the restoration work within the time schedule specified in an approved Abandonment and Restoration Plan, or as subsequently revised and approved by the Board in writing.	Not Applicable Yet				
G-8	The Licensee shall complete all restoration work prior to the expiry of this License.	In Compliance				
<b>Part H: Conditions Applying to the Monitoring Program</b>						
H-1	The Licensee shall maintain Monitoring Program Stations and implement the program as described in the table below and the conditions under this part.	In Compliance	Monitoring completed and reported in 2010 Annual Report.	Funding allocated as part of 2010 work plan.		
H-2	The Licensee shall, by December 31, 2010, maintain a water level Monitoring Program Station (ARV-7) at Wolf River.	In Compliance	Water level station established and included in "Environmental Monitoring Program and QA/QC Plan" (Dec 2010)	Funding allocated as part of 2010 work plan.		
H-3	The Licensee shall, by December 31, 2010, maintain a lagoon level Monitoring Program Station (ARV-8) at the Sewage Disposal Facility.	In Compliance	Lagoon level station established and included in "Environmental Monitoring Program and QA/QC Plan" (Dec 2010)	Funding allocated as part of 2010 work plan.		
H-4	The Licensee shall provide the GPS co-ordinates (in degrees, minutes and seconds of latitude and longitude) of all locations where sources of Water are utilized for all purposes and at all Monitoring Program Stations.	In Compliance	Provided in Annual Report 2010 submitted to NWB	Funding allocated as part of 2010 work plan.		
H-5	The Licensee shall confirm the locations and GPS coordinates for all Monitoring Program Stations referred to in Part H Item 1 with an Inspector.	Not in Compliance	Locations provided in reports and awaiting NWB approval.	Awaiting NWB approval of location recommendations.	Conduct after NWB approval of locations.	Apply for funding following NWB approval of locations.
H-6	The Licensee shall determine the locations and GPS coordinates of any additional Monitoring Program Stations required for any new Waste Disposal Facilities with an Inspector.	Not Applicable Yet				

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	<b>License Condition</b>	<b>Status of Compliance</b>	<b>Short Term Plan for Compliance</b>	<b>Schedule for Implementation of Short Term Plan for Compliance (including funding status where applicable to municipal developments)</b>	<b>Long Term Plan for Compliance</b>	<b>Schedule for Implementation of Long Term Plan for Compliance (including funding status where applicable to municipal developments)</b>
H-7	The Licensee shall measure and record in cubic meters, the monthly and annual quantities of Water extracted for all purposes at Monitoring Program Station ARV-1.	In Compliance	Currently measures water use at water reservoir truck intake stations. Recommendations included in "Wolf River Water Intake Impact Assessment Report".	Awaiting NWB approval of recommendations.		
H-8	The Licensee shall carry out, at a minimum, weekly inspections at Monitoring Program Stations ARV-2a, ARV-5, ARV-6, and Station ARV-2b upon commissioning of the New Solid Waste Disposal Facility, from May to August inclusive, to identify Effluent or Water flow in order to fulfill the monitoring requirements of Part H, Item 9. A record of inspections shall be retained and made available to an Inspector upon request.	Not Applicable Yet				
H-9	The Licensee shall sample monthly at Monitoring Program Stations ARV-2a, ARV-4, ARV-5, ARV-6, and Station ARV-2b upon commissioning of the New Solid Waste Disposal Facility, during the months of May to August, inclusive. Samples shall be analyzed for the following parameters: BOD5 pH Conductivity Fecal Coliforms Total Suspended Solids Ammonia Nitrogen Nitrate – Nitrite Oil and Grease (visual) Total Phenols Sulphate Sodium Potassium Magnesium Calcium Total Arsenic Total Cadmium Total Copper Total Chromium Total Iron Total Lead Total Mercury Total Nickel Total Zinc Total Phosphorous	In Compliance	Sampling completed and provided in 2010 Annual Report. Proposed changes to program submitted in "Environmental Monitoring Program and QA/QC Plan" (Dec 2010)	Funding allocated as part of 2010 work plan.		

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H-10	The Licensee shall conduct the following acute toxicity tests at Monitoring Program Stations ARV-2a and ARV-4, and Station ARV-2b upon commissioning of the New Solid Waste Disposal Facility, once annually between June and September, approximately mid-way through the discharge period: a. Biological Test Method: Reference Method for Determining Acute Lethality of Effluents to Rainbow Trout (Reference Method EPS 1/RM/13), July 1990, published by the Department of the Environment, as amended in December 2000, and as may be further amended from time to time b. Biological Test Method: Reference Method for Determining Acute Lethality of Effluents to Daphnia magna (Reference Method EPS 1/RM/14), July 1990, published by the Department of the Environment, as amended in December 2000, and as may be further amended from time to time.	In Compliance	Sampling completed and provided in 2010 Annual Report. Proposed changes to program submitted in "Environmental Monitoring Program and QA/QC Plan" (Dec 2010)	Funding allocated as part of 2010 work plan.		
H-11	The Licensee shall, when flow volumes at Monitoring Program Stations ARV- 2a, ARV-2b and ARV-4 are not sufficient to conduct the tests required by Part H Item 10, collect samples upstream where adequate flow volume exists.	In Compliance	Sampling completed and provided in 2010 Annual Report. Proposed changes to program submitted in "Environmental Monitoring Program and QA/QC Plan" (Dec 2010)	Funding allocated as part of 2010 work plan.		
H-12	The Licensee shall record water elevation monthly, during open water at Monitoring Program Station ARV-7.	In Compliance	Water levels provided in 2010 Annual Report.	Funding allocated as part of 2010 work plan.		
H-13	The Licensee shall record water elevations monthly during thawed conditions at Monitoring Program Station ARV-8.	In Compliance	Water levels provided in 2010 Annual Report. Elevation provided in 2010 Annual Report.	Funding allocated as part of 2010 work plan.		
H-14	The Licensee shall measure and record in cubic meters the monthly and annual quantities of Sewage sludge removed from the Sewage Disposal Facility at Monitoring Program Station ARV-9.	In Compliance	Provided in Annual Report 2010 submitted to NWB	Funding allocated as part of 2010 work plan.		



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H-15	The Licensee shall submit to the Board for review, by December 31, 2010 a revision to the approved Plan entitled "Environmental Monitoring Program and Quality Assurance/Quality Control (QA/QC) Plan, Hamlet of Arviat" May 2009, revised May 2010, to address the following: a. All monitoring requirements listed under Part H of the License; b. A covering letter from an accredited laboratory confirming acceptance of the Quality Assurance/ Quality Control (QA/QC) Plan for analyses to be performed under this License as required under Part H, Item 17.	In Compliance	"Environmental Monitoring Program and QA/QC Plan" (Dec 2010) submitted to NWB.	Funding allocated as part of 2010 work plan.		
H-16	The Licensee shall, at least six (60) days prior to commissioning the New Solid Waste Disposal Facility and/or Hydrocarbon Impacted Soil Storage and Treatment Facility, submit to the Board, for approval in writing, a revision to the Environmental Monitoring Program and Quality Assurance/Quality Control (QA/QC) Plan, referred to in Part H Item 15, to address the New Solid Waste Disposal Facility and/or Hydrocarbon Impacted Soil Storage and Treatment Facility.	Not Applicable Yet				
H-17	The Licensee shall annually review the QA/QC Plan referred to in Part H, Item 15 and modify it as necessary. The revised QA/QC Plan shall be submitted to the Board for review, accompanied by a current approval letter from an accredited lab and shall meet the standards as set out in Part H, Item 20 and Part H, Item 21 of the License.	In Compliance	"Environmental Monitoring Program and QA/QC Plan" (Dec 2010) submitted to NWB.	Funding allocated as part of 2010 work plan.		
H-18	The Licensee shall measure and record the volume of all contaminated soil, from all locations entering the Hydrocarbon Impacted Soil Storage and Treatment Facility.	Not Applicable Yet				
H-19	The Licensee shall assess and record the concentration of Petroleum Hydrocarbon Impacted Soil entering any Hydrocarbon Impacted Soil Storage and Treatment Facility from all sources, as per the CCME Canada-Wide Standard for Petroleum Hydrocarbons (PHC) in Soil, User Guide, January 2008.	Not Applicable Yet				

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H-20 All sampling, sample preservation and analyses shall be conducted in accordance with methods prescribed in the current edition of Standard Methods for the Examination of Water and Wastewater, or by such other methods approved by the Board.	In Compliance	Details included in "Environmental Monitoring Program and QA/QC Plan" (Dec 2010)			
H-21 All analyses shall be performed in a laboratory accredited according to ISO/IEC Standard 17025. The accreditation shall be current and in good standing.	In Compliance	Details included in "Environmental Monitoring Program and QA/QC Plan" (Dec 2010)			
H-22 Licensee shall include all of the data and information required by the Monitoring Program in the Licensee's Annual Report, as required per Part B, Item 3(a) or as otherwise requested by an Inspector.	In Compliance	Provided in Annual Report 2010 submitted to NWB	Funding allocated as part of 2010 work plan.		
H-23 Modifications to the Monitoring Program may be made only upon written request and subsequent approval of the Board in writing.	In Compliance	Proposed modifications included in "Environmental Monitoring Program and QA/QC Plan" (Dec 2010)	Funding allocated as part of 2010 work plan.		

As outlined in this Plan of Compliance, there are a series of documents that have been prepared by Nuna Burnside on behalf of the Hamlet and submitted as per the conditions of the license. They include:

- Wolf River Water Intake Impact Assessment
- Sewage Disposal Facility Report
- Old Sewage Lagoons Abandonment and Restoration Plan
- Solid Waste Management Report
- Solid Waste Management Facility Abandonment and Restoration Plan
- Environmental Monitoring and Quality Assurance and Quality Control Plan
- Addendum: Environmental Emergency Contingency Plan
- Hamlet of Arviat, 2010 Annual Report
- Environmental Monitoring Training Manual, Hamlet of Arviat
- Plan of Compliance
- 2009 Annual Report Form
- Letter dated December 22, 2010 to Nunavut Regional Office, Response to 2010 Annual Inspection Report - September 2, 2010
- Letter dated December 22, 2010 to Hamlet of Arviat, NWB License 3AM-ARV1015 Compliance Issues

Many of these documents include recommendations for amendments to the monitoring program, sample stations, and license related requirements. These recommendations cannot be undertaken until they have been approved by the various agencies with jurisdiction (i.e. DFO) and the NWB. Further action and requirements will depend on the feedback from the NWB.

Respectfully Submitted:

Jim Walls, P.Geo.

December 24, 2010  
Date