

Comments to the questions raised by Deon Bridge, Technical Advisor, NWB, on the Hamlet of Grise Fiord Water License Renewal application

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1. The renewal application has no drawings, diagrams or maps of any facilities and no indication that these plans will be submitted;

Comments: We have not modified or updated the existing O&M manual yet. Once funds are available, O&M manual will be updated accommodating all the revised drawings and diagrams of the facilities. However, a water shed model has been developed and attached. This map will show the locations of all the infrastructures and the directions of surface run off.

2. In the Supplemental Questionnaire a number of items require completion:

a. Under 'III. Water Supply, Water Source', the type of water source is not identified;

Comments: In this Community, there is no River or Lake. A stream is running from the glacier melting from June to early September. This is the only source of the Community for only 4 months and the rest of the time this source is frozen.

b. Under 'III. Water Supply, Water Intake' the description of the freshwater intake facility simply states 'Stream'. It should include a description of the source of water, and how water reaches the storage tanks in the Hamlet;

Comments: The first Tank is filled up directly from the stream through an intake pipe by gravity. The Second one is filled by pumping from the first tank once this is almost full.

c. Under 'III. Water Supply, Modifications' the questionnaire states that modifications are in the planning stages. The applicant should identify what the modifications will be and when they are expected to begin. It is likely that any modifications to the current system will require an amendment to any Licence being issued;

Comments: Right now the facility is in good shape. But this needs modification to satisfy the future requirements. No funding is available right now. No plan and program can be developed without funding.

d. Under 'III. Water Supply, Identification', it is stated that there are no signs identifying drinking water sources despite an instruction following the July 31, 2002 inspection which states 'A sign shall be posted indicating to all residents that the area is off limits to all traffic and that the area is the recharge area for the potable water supply';

Comments: SAO has been advised to install a Sign Board in the summer.

e. Under 'IV. Sewage Disposal, General Condition of the Sewage Treatment Facilities', it indicates that all the facilities are in satisfactory condition, However, during the January 11, 2000 INAC inspection it was noted that the sewage lagoon pump-out chute freezes and that a metal ramp is used in place of this chute. The applicant should clarify if this is still a problem or what system is now in place;

Comments: There is no problem at this time. The existing sewage pump out chute is a metallic pipe and it works well.

f. Under 'IV. Sewage Disposal, Identification', the question as to whether there are signs identifying the past and present sewage disposal sites has not been filled out;

Comments: SAO has been advised to provide sign board identifying the past and present Sewage disposal sites.

g. Under 'V. Solid Waste Disposal' the proponent has not filled out a description of how solid wastes are collected and delivered to the disposal area;

Comments: The Hamlet collects domestic solid wastes in bags and trucks them to the landfill site and disposes over there.

h. Under 'V. Solid Waste Disposal' the proponent has indicated that there is no fence around the solid waste disposal facilities. As far back as the 2001 inspection the INAC inspector noted that the community was attempting to secure fencing for the site, is there a reason for the continued delay?;

Comments: Yes, Funding is a problem. Fence is required. Once new funding is made available, Fencing will be provided there.

i. Under 'V. Solid Waste Disposal, Waste Reduction' the proponent has not described how and when the municipality burns garbage';

Comments: The Hamlet/Municipality burns garbage twice during the summer time, at the beginning of summer and at the end of summer.

j. Under 'V. Solid Waste Disposal, Bulky Scrap Metal Waste Disposal Area' the proponent has not described the location or operational plan of the bulky and scrap metal waste disposal area;

Comments: The Municipality has their own plan. But Capital funding is not available. No O&M manual is existing right now. Once funds are available , O&M manual will be developed addressing this issue.

k. Under 'IX. Technical Information, Water Treatment' it is indicated that changes to the water treatment facility are planned but no information on these alterations is provided; and

Comments: O&M manual has not been updated yet due to funding constraints. The Revised O&M manual will accommodate all the changes made to the Water Treatment system.

l. Under 'VI. Inspection and Monitoring, Monitoring Program' part c asks for a description of any monitoring done for wastewater effluent and leachate. The proponent has indicated that the INAC inspector did sampling during the July 2008 decanting. The sampling should be done every time effluent from the Sewage Disposal Facilities is discharged, whether an INAC inspector is present or not, as per Part D, Item 2 of the current Licence.

Comments: The Hamlet staffs have been trained in sampling process. A Lab in Ottawa has been contacted to conduct testing of the effluent samples. SAO is working on opening an account with this Lab. Shipping these samples is not a straight forward process because of the flight schedule. However attempt will be made from next summer and on to satisfy the requirements of the Water License.

3. The 2005, 2006 and 2007 annual reports have not been received by the NWB;

Comments: Probably the Hamlet did not prepare the annual reports. Again, there was a turn over and a new SAO is on board. SAO has been advised to prepare the annual report from now on.

4. A document identifying the Final Discharge Points, requested under Part D, Item 8 of the current Licence, has not been received by the NWB;

Comments: Final discharge point has not been established with coordinates. This will be a part of the O&M manual. Once Capital funds are available, the O&M manual will be developed and addressed all these issues for maintaining this facility.

5. An Operation and Maintenance Plan, requested under Part F, Item 1 of the current Licence, has not been received by the NWB;

Comments: No O&M manual has been prepared due to fund availability. Currently there is no capital planning for developing an O&M manual. Definitely once funds are available, development of O&M manual will be considered priority to satisfy the requirements of the Water License.