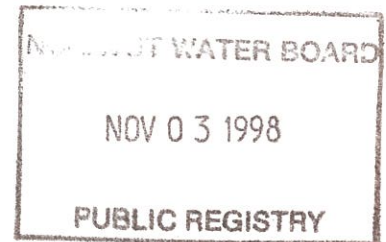


November 3, 1998

To: Dionne Filiatrault, Technical Advisor  
Nunavut Water Board  
PO Box 119  
Gjoa Haven, NT X0E 1J0



Dear Ms. Filiatrault

**HAMLET OF POND INLET - COMMENTS ON WATER LICENCE APPLICATION  
NWB3PON FOR MUNICIPAL WATER USE AND WASTE DISPOSAL**

Here are some more comments which I have received regarding the Water Licence application for Pond Inlet:

This is a fairly straight forward municipal licence that should not require a public hearing. The Hamlet has a new (2-3 years old) waste disposal site.

**Water Supply**

There are no particular issues with this aspect. Raw water is taken from Salmon Creek to fill the reservoir (which is a natural lake (albeit a little one)). In the initial application, it is indicated that approx 22,000 cubic metres of water are used annually. In order to accommodate the increase in population in the past 4 years and to allow for the growth due to decentralization of the Nunavut Government, I would suggest that the licence water use level be set at around 35,000 cubic metres.

**Waste Disposal**

There are two issues here. First is the A+R of the old site (which has houses being built close to it). The second is the requirement that an O+M plan be developed for the new site.

**Old Site**

The GNWT (MACA) is paying for this work to be done. They recently contracted Dillon to conduct an Environmental Health Risk Assessment and have entered into a contribution agreement with the Hamlet to physically remediate the area (which includes the former sewage disposal area as well as the solid waste disposal area). I am concerned that the licence will incorporate aspects of this A+R activity in the licence without due recognition given to the role and responsibility that the GNWT has assumed. FSC proposed the A+R activities required and the GNWT intended to follow these recommendations.

### New Site

An O+M plan is required for this site. The Hamlet submitted the guidelines that they had been provided, but as yet don't have an actual plan that they follow.

The new lagoon appears to be operating satisfactorily. Sewage was being discharged at the time of the August, 1998 inspection. A microtox sample was collected on behalf of Environment Canada at the discharge point in addition to a sample prior to the discharge entering the ocean. The slope is quite steep, but is well vegetated. The effect however was notable in that the clarity of the effluent was significantly improved.

An SNP station at the discharge point is necessary (testing for TSS, BOD, FC and pH), but I would also suggest that a sample collected prior to discharge into the ocean could also be appropriate (one sample each annually). I also suggested to the Hamlet Foreman that when the lagoon is drained in the summer, that it be done so over a period of weeks as opposed to days to allow for the vegetation to be able to take advantage of the available nutrients.

There is a waste oil storage area. This is a bermed area adjacent to the main dump site. There are several drums in the pit and there is staining of the area. The problem with this site is that it fills with water (from above or below, it doesn't matter). The Hamlet recognizes that the site is inappropriate and has plans to decommission it - but exactly how is not clear. The licence should address this (in a general way - i.e. a clause dealing with A+R).

The Hamlet plans to utilize a sealift container for hazardous goods. This will be located by the sewage lagoon.

The waste disposal site is well signed already. SNP signs would be required at the water supply, dump leachate and sewage effluent points.

The NWB will probably require sampling of dump leachate. If required this should only be an annual event (with oil & grease being a 'visual' test - not something that has to be sampled).

If you have any questions or comments on the above please do not hesitate to contact me at (867) 669-2658 or fax (867) 669-2716.

Sincerely,



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