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NUNAVUT WATER BOARD  
NUNAVUT IMALIRIYIN KATIMAYINGI  
OFFICE DES EAUX DU NUNAVUT

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File No.: 1BR-BEA1015/TR/E1

September 28, 2010

Natalie Plato  
Director, Contaminated Sites  
Indian and Northern Affairs Canada  
P.O. Box 2200  
Iqaluit, NU X0A 0H0  
Email: [Natalie.plato@inac-ainc.gc.ca](mailto:Natalie.plato@inac-ainc.gc.ca)

**RE: Licence No. 1BR – BEA1015, Type “B” Review of Operation and Maintenance Plan – Bear Island Remediation Project**

Dear Ms. Plato:

The Nunavut Water Board (“NWB”) received June 15, 2010, the Plan entitled “REMEDIATION OF BEAR ISLAND, NUNAVUT, OPERATIONS AND MAINTENANCE PLAN FOR THE SEWAGE DISPOSAL FACILITIES” dated June 2010. On August 17, 2010 the NWB acknowledged receipt and distribute the Plan to interested parties for a thirty-day review Period. Comments were received from Environment Canada (EC) and Indian and Northern Affairs Canada (INAC).

A review of the Plan and submissions, has determined that the document is deficient and will require revision before Board approval could be granted. The revised plan should be submitted within thirty (30) days from the date on this letter and should address the following items:

- a. Include procedure to address abnormal operating conditions, such as short-circuiting within the lagoons, and measures to address or remove excessive sludge accumulation;
- b. NWB suggest that Licensee use an alternative procedure, rather than the application of Calcium Hypocrite to the lagoons, to reduce excessive BOD and fecal coliform; increasing the detention time or operating the lagoons in a parallel configuration instead of series might be good alternatives;
- c. Include the contact numbers for EC, GN-DOE, DFO, NWB, QIA, the Project Manager (24-hr contact number) and INAC’s Manager of Field Operations;
- d. Provide information on the yearly operating period as well as temporary shutdown or winterization procedures;
- e. provide specifics, in the abandonment and restoration section of the plan, the with respect to follow-up monitoring activities designed to confirm the integrity of the of abandoned lagoons;
- f. Include a list of all hazardous substances affiliate with the sewage disposal facility. Please note that Calcium Hypochlorite was mentioned in the O&M Plan but not listed on hazardous and non-hazardous substances inventory in the Spill Contingency Plan;
- g. Include measures implemented to secure the site, fencing, signage, etc.; and
- h. Address comments from EC and INAC.

Should you have any questions, please feel free to contact the undersigned at 867-360-6338 ext. 25 or by email at [sjoseph@nunavutwaterboard.org](mailto:sjoseph@nunavutwaterboard.org).

Yours truly,

*Original Signed By:*

Sean Joseph  
Technical Advisor

Cc: Distribution List – Qikiqtani Region