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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File: 3BC-EUR0611/Part G/1

November 14, 2008

Natalie Boulanger, Manager
Environment Canada
335 River Road
Ottawa ON K1A 0H3
Email: Natalie.Boulanger@ec.gc.ca

**Subject: Environment Canada; Submission of an Operation and Maintenance Manual (O&M)
for the Eureka High Arctic Weather Station; Licence 3BC-EUR0611**

Dear Mrs. Boulanger;

The Nunavut Water Board ("NWB") acknowledges the receipt of the above Manual under Part G, Item 1 of Licence No.3BC-EUR0611. The Operation and Maintenance Manual was sent out for review and comment from interested parties on January 18, 2008.

No comments on the Manual were received during the review period. During a technical review of the Manual several areas of concern were identified and will need to be addressed. The Licensee is instructed to resubmit the Operation and Maintenance Manual within sixty (60) days of the date of this letter. The resubmitted plan will address the following issues:

1. Inclusion of a detailed schedule for the inspection of the water supply, sewage waste and solid waste disposal facilities; The schedule shall discuss the monthly recording of water volumes used at the station, the inspection of all earthenworks, the inspection of all waste disposal facilities and a schedule for these activities;
2. An explanation as to why the Manual states that the potential for runoff from the abandoned dump to enter Station Creek is considered very low;
3. Identification of where chlorine is stored at the water supply facilities and if there is a spill kit on site;
4. An explanation of when the sewage holding tank is to be emptied into the sewage lagoon;
5. Discharges from the sewage lagoon are to be tested for ammonia-nitrogen, nitrate/nitrite, phosphorous and conductivity in addition to the parameters listed in the Manual;
6. A discussion on how contaminated soils are stored;
7. How the waste liquids from the crushed barrels is disposed;
8. Where the incinerator ash is stored and if this is the final disposal location for those materials;
9. Design details for the incinerator being used on site;
10. What conditions that are considered prior to open burning at the site;
11. The location where waste batteries and waste oils stored;
12. The Manual states that 'any hazardous waste that cannot be dealt with on site must be shipped south for processing'. How is hazardous waste deal with on site?
13. A discussion on how sludge is managed and disposed;

14. A map identifying the water intake source, all facilities and structures on site, all waste disposal locations and all monitoring locations shall be included in the resubmitted plan. The map shall be of an appropriate scale.

Should you have any further questions, please feel free to contact me at (867) 360-6338, at your earliest convenience.

Yours truly,

Deon Bridge
Technical Advisor