

Water Resources Division
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référence

Your file - Votre

NWB5GLA

Our file - Notre référence

April 2, 2003

Phyllis Beaulieu
A/Licence Administrator
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NT X0E 1J0

RE: Gladman Point DEW-Line Site

Dear Ms. Beaulieu:

On behalf of Indian and Northern Affairs Canada (INAC), I have reviewed the water licence application submitted for the Gladman Point DEW Line Site. Based on the mitigative measures outlined in the application and project description submitted by Defence Construction Canada, the water-related aspects of the project have been fairly well addressed.

A noteworthy omission in the application, is that a description and specific designs of the two-cell lagoon have not been provided. INAC recommends that a condition of the water licence be that the designs of the lagoon be approved by the Nunavut Water Board (NWB) prior to its construction. Monitoring stations as part of the surveillance network program (SNP) should be established to monitor the quality of any effluent that is discharged from the lagoon. As a minimum, the effluent should meet the following criteria:

Total Suspended Solids	180 mg/L
BOD	120 mg/L
Fecal Coliform	10,000 CFU/100 mL
pH	6-9
Oil and Grease	no visible sheen
Ammonia	monitor only

As was acknowledged in the NWB's Reasons for Decision for the Fox-5 clean-up (June 20, 2002), "the Board has confidence that the proposed decommissioning measures will be successful and that impacts on water will be unlikely." Since the criteria and methodology

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for both sites are the same, it is unlikely that water will be impacted at Gladman Point. Assuming the proponent adheres to the plans provided in the application, specific conditions regarding the decommissioning landfills may not be required in the water licence. The landfills will be monitored according to the monitoring program provided by the proponent and it is requested that the results be submitted to the NWB in the form of annual summary reports. This will help ensure the landfills are working according to design and that any problems can be detected at an early stage. The annual report should also include a details of the performance of the hydrocarbon landfarm and the analytical results of any accumulated runoff water. SNP stations should be established at the toe of the collection ditch to confirm that hydrocarbons are adequately treated.

An abandonment and restoration plan should be submitted at least six months prior to completion of the remedial activities at this site. This plan should describe the steps for final closure and removal of all of the work-camp related infrastructure, including photographs of the remediated site.

In closing, INAC is supportive of the Defence Construction Canada's initiatives to reclaim the former DEW Line sites. The approach outlined in the Project Description applies best available technologies and the end result will prevent future environmental impacts.

Should you have any questions or comments, please do not hesitate to contact me at (867) 975-4548 or by e-mail at mcchristiem@inac.gc.ca.

Sincerely,

Original signed by:

Michelle McChristie
Kitikmeot/Kivalliq Regional Coordinator