



Water Resources Division
Nunavut Regional Office
Iqaluit, NU
X0A 0H0

NWB File: 1BR-PEE1116
CIDMS #: 523254

Apr 20, 2012

Re: 1BR-PEE1116 – Cape Peel Project – Site Specific Operation and Maintenance Plans for the Wastewater Treatment and Landfarm Facilities – E Gruben Ltd - Contaminated Sites - Aboriginal Affairs and Northern Development Canada.

Please be advised that Aboriginal Affairs and Northern Development Canada (AANDC) has completed a review of the Site Specific Operation and Maintenance Plans for the wastewater and landfarm facilities at the Cape Peel Project prepared by E Gruben Ltd. on behalf of Contaminated Sites branch of AANDC for water license 1BR-PEE1116. The Nunavut Water Board (NWB) circulated the Site Specific Operation and Maintenance plans for comments on March 20, 2012. All documents related to the application posted on the NWB ftp site under 1BR-PEE1116 were included in my review (See attached Technical Review Memo).

Should you have any questions or comments, please do not hesitate to contact me at (867) 975-4282 or by email at Ian.Parsons@aandc.gc.ca.

Sincerely,

Original signed by

Ian Parsons
Regional Coordinator

Cc. Murray Ball, Manager of Water Resources – Aboriginal Affairs and Northern Development Canada, Nunavut Regional Office



Technical Review Memorandum

To: Phyllis Beaulieu – Manager of Licensing, Nunavut Water Board

From: Ian Parsons – Regional Coordinator, AANDC.

Re: 1BR-PEE1116 – Cape Peel Project – Site Specific Operation and Maintenance Plans for the Wastewater Treatment and Landfarm Facilities – E Gruben Ltd - Contaminated Sites - Aboriginal Affairs and Northern Development Canada.

Background

Cape Peel is a former Distant Early Warning (DEW) Line Site that was been selected for clean-up by the Federal Contaminated Sites Action Plan (FCSAP). It is situated in the Kitikmeot Region of Nunavut on the South Coast of Victoria Island. The nearest community of Cambridge Bay is located 80 Kilometres to the East.

Recommendations/Comments

Wastewater Treatment Facility

AANDC notes that the wastewater treatment facility plan has two sets of lagoon design drawings associated with it. These two sets of design drawings are different from one another and only one set has been stamped and signed by a professional engineer. AANDC recommends that the proponent clarify which set of design drawings that it intends to use as well as ensuring that the drawings are stamped and signed by a professional engineer.

AANDC recommends that the proponent provide more detail, to the NWB, in regards to the operation of the lagoon. These details should include, but are not limited to, whether or not the lagoon will be lined, whether or not the lagoons will function as exfiltration or will be decanted at season's end and how the discharge (decanting) of effluent will take place (flow rates, etc). Also the proponent should provide details about retention times in both lagoons (and is this, the only method of treatment to be used).



AANDC recommends that the proponent provide sludge management plan for both the surge tank and the two lagoons.

AANDC recommends that the proponent restrict access to the wastewater treatment facility by putting up fencing or other barricade structure as well as posting signs limiting access to the facility to properly trained personnel only.

Landfarm Treatment Facility

AANDC notes that the Landfarm Treatment Facility Operation and Maintenance Plan is quite well done and is satisfied that the plan contains all pertinent information to remediate the hydrocarbon contaminated soils while mitigating against potential adverse environmental affects.

AANDC recommends that the applicant provide, to the NWB, the above referenced outstanding information pertaining to the plans.

Cc. Murray Ball, Manager of Water Resources – AANDC, Nunavut Regional Office
Andrew Keim, A/Manager of Field Operations - AANDC, Nunavut Regional Office