FSC
ARCHITECTS & ENGINEERS

FSC File: 2005-2150

May 13, 2008

Nunavut Water Board
PO Box 119
Gjoa Haven, NU
Attn: Phyllis Beaulieu, Manager of Licensing

Re: **Rankin Inlet Land Farm Water Licence Application**
Abandonment Restoration Plan & Spill Contingency Plan

Dear Phyllis Beaulieu,
As you have requested in you email, we have prepared both the Abandonment Restoration Plan & Spill Contingency Plan.

Abandonment Restoration Plan

1. Determine the facility is no longer required
2. Sample the contents for compatibility with intended use.
3. Remove contents
4. Remove berms
5. Remove liner in sections for disposal in landfill
6. Sample under each liner section for compliance.
7. Assuming compliance, remove the entire liner and grade to positive drainage.
8. If non-compliant under the liner, excavate offending soil and place in the remaining lined area for treatment.
9. Return to point 2 and continue until the facility is removed.

Spill Contingency Plan

A. Facility Owner: NU, Dept. Community & Government Services
B. Facility Management: Contractor to be determined
C. Description of Facility: FSC is working with the Government of Nunavut (CGS) to develop a landfarm for the purpose of treating the hydrocarbon-contaminated soil that will be removed from the present tank farm in Rankin Inlet during a planned upgrade project. Construction is planned for 2009. The proposed site for the landfarm is located in the area of 62o 49' 49.66" N, 92o 10' 28.15" W, near the Hamlet of Rankin Inlet's municipal solid waste site.
D. Description of Stored Contaminants: Hydrocarbon-contaminated soil.
E. Site Map: (previously included)
F. In the Event of a Spill:
    i. The facility manager would contact the spill report line.
    ii. Equipment Fuel Spill: the contaminant would be added to the remediation plan
    iii. Tear in Liner: Location of tear would be determined and repaired. Any effects to groundwater would be determined by a qualified engineer.
G. Trigger for Activating Spill Contingency Plan: There are two triggers for activating the plan. One is if there is a spill from the equipment operating in the site. The second is if there is a leak in the liner. Testing at the piezometers located around the site or a tear in the liner would be the determining factor in a leak.

H. Training Provided to Employees: To be determined

I. Inventory of Response Equipment: To be determined

Sincerely,
FSC ARCHITECTS & ENGINEERS

Ron Kent, P.Eng.
Manager, Environmental Engineering.

REGISTERED PROFESSIONAL ENGINEER
R.J. KENT
N.W.T.

PERMIT TO PRACTICE
FSC ARCHITECTS AND ENGINEERS
(5107 NWT LTD.)
Signature
Date 15 May 2008
PERMIT NUMBER: P0457
The Association of Professional Engineers, Geologists and Geophysicists of the NWT / NU