



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

February 12, 2010

Phyllis Beaulieu
Manager of Licensing
Nunavut Water Board
PO Box 119
Gjoa Haven, NU X0A 1J0

**Re: 1BR-FOD0813 – Fox-3 Dewar Lakes Dew Line Site – Defence
Construction Canada**
**Submission of: Operation and Maintenance Plan, Spill Contingency
Plan, and Post Construction Monitoring Plan**

Please be advised that Indian and Northern Affairs Canada (INAC) has completed a review of the above noted Plans.

The Nunavut Water Board (NWB) distributed the Plans for comment on January 25, 2010.

In conducting this review, I have referred to all documents on the Nunavut Water Board FTP site as it relates to 1BR-FOD0813. Attached is a Technical Review Memorandum for your consideration.

Please feel free to contact me should you have any questions or comments. I can be reached at (867) 975-4566 or by email at tanya.trenholm@inac.gc.ca.

Sincerely,

Original signed by

Tanya Trenholm
Pollution Policy Specialist



Technical Review Memorandum

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

From: Tanya Trenholm, Pollution Policy Specialist - Indian and Northern Affairs
Canada – Water Resources Division

**Re: 1BR-FOD0813 – Fox-3 Dewar Lakes Dew Line Site – Defence
Construction Canada**

**Submission of: Operation and Maintenance Plan
Spill Contingency Plan
Post Construction Monitoring Plan**

Existing Water Licence #: 1BR-FOD0813

Comments and Recommendations

Operation and Maintenance (O&M) Manual

O&M – Sewage Lagoon:

The Licensee should provide the following information to the NWB with the annual report. If site maps are not available from the contractor until after such a time that the annual report is due, the Licensee should provide the outstanding information to the NWB without delay.

- Site description showing specific location of the sewage treatment facility, drainage and distance to water bodies by means of maps and drawings
- Discharge method (if required) – continuous, intermittent or zero
- Description of O&M procedures
- Frequency of each of the O&M procedures for the lagoon system (daily, weekly,... etc)

O&M – Solid Waste Disposal Area:

The Licensee should provide the following information to the NWB with the annual report. If site maps are not available from the contractor until after such a time that the annual report is due, the proponent should provide the outstanding information to the NWB without delay.

Site description including maps of the area showing:

- Location of the facility



- Dimensions of the facility
- Distance to water bodies and drainage paths
- Prevailing wind

O&M - Excavation Sites:

As per the licence, Part E, Item 2, Options for handling and treatment of excess water collected as a result of excavation of the Airstrip Landfill Lobes adjacent to the Macbeth River, or any excavations must be included in the O&M Plan.

Spill Contingency Plan

The proponent should, without delay, provide the NWB with a site map that illustrates the fuel storage facility and its relationship to other areas which may be affected by a spill. The map should identify nearby buildings, facilities, roads, culverts, catch basins, drainage patterns and nearby bodies of water which could be impacted by a spill and topographic features which may affect access and response.

Post Construction Monitoring Plan

Thermal Monitoring:

The Post Construction Monitoring Plan indicates that a minimum of 3 thermistors will be installed at each landfill. Further, the Plan states that “A sketch to indicate the location of each cable is to be prepared”.

This has not been submitted to the NWB.

It is therefore recommended that the licensee identify the total number of thermal strings that will be installed at each landfill, a description of the proposed locations for installation of the thermistors, and the depth (and intervals) to which the temperatures will be measured and recorded.

Please feel free to contact me at your convenience should you wish to further discuss any part of this submission to the Board. I can be reached at 867-975-4566 or via email, tanya.trenholm@inac.gc.ca.

Cc. Lou-Ann Cornacchio, Manager, Water Resources Division – Indian and Northern Affairs Canada;