



Environment Canada
Environnement Canada

Environmental Protection Operations
Qimugjuk Building 969
P.O. Box 1870
Iqaluit, NU X0A 0H0
Tel: (867) 975-4631
Fax: (867) 975-4645

June 5, 2009

Our File: 4517 000 027
NWB File: 1BR-QIK0712

Phyllis Beaulieu
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU, X0B 1J0
Tel: (867)360-6338
Fax: (867)360-6369

via e-mail: licensing@nunavutwaterboard.org

Re: Submission of Modification to water Use License 1BR-QIK0712: FOX-5 Qikiqtarjuaq DEW Line Site

On behalf of Environment Canada (EC), I have reviewed the information submitted with the above-mentioned application. The following specialist advice has been provided pursuant to the Canadian Environmental Protection Act, Section 36(3) of the Fisheries Act, the Migratory Birds Convention Act, and the Species at Risk Act.

AECOM has submitted a request for modification as per Section H.1 of the existing 1BR-QIK0712 Water License, on behalf of the Defence Construction Canada (DCC) and the Department of National Defence (DND). Modifications will include additions to remedial work at the FOX-5 Site at the following locations: Beach Area- Clamming Raft/Barge, Airstrip Landfill West, Reservoir Road Debris Area, Community Borrow Buried Debris Area, Main Landfill, Station Non-Hazardous Waste Landfill, and the Middle Site Non-Hazardous Waste Landfill.

Environment Canada recommends that an updated copy of the Final Report should be provided and should include the proposed additional remediation, including soil samplings, related drawings, records, monitoring data (confirmatory data, etc.). The Post-cleanup and Landfill Monitoring Plan should be updated to accommodate the proposed additional remediation. The monitoring plan should include, but not be limited to, the following:

- Monitoring frequency;
- Analytical parameters (should monitor for contaminants of concern or potential contaminants);
- Appropriate detection limits;
- Sampling sites;
- Sampling methods;
- QA/QC procedures; and,
- Confirmatory sampling to demonstrate that contaminants of concern have been removed as per cleanup objectives.

Based on the information presented at this time, EC has no concerns with the modification of water license 1BR-QIK0712, provided the proponent follows mitigation measures outlined in the original application and that they are in compliance with the existing water license. Comments and recommendations submitted previously by EC relating to water license NWB 1BR-QIK0712 would still apply.

If there are any changes in the proposed project, EC should be notified, as further review may be necessary. Please do not hesitate to contact me with any questions or comments with regards to the foregoing at (867) 975-4631 or by email at carrie.spavor@ec.gc.ca.

Yours truly,

Original signed by

Carrie Spavor
Environmental Assessment Coordinator

c.c: Carey Ogilvie (Head, Environmental Assessment-North, EC, Yellowknife, NT)
Ron Bujold (Environmental Assessment Technician, EPO, Yellowknife, NT)
Yvon Theriault (Environmental Assessment Coordinator, Contaminated sites, Edmonton, AB)