



**Environment Environnement
Canada Canada**

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Our file: 4517 000 024
NWB file: 1BR-LON0813

Phyllis Beaulieu
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Nunavut Water Board
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Via email: licensing@nunavutwaterboard.org

**RE: 1BR-LON0813 – FOX-2 Longstaff Bluff DEW Line Site Post-Construction
Monitoring Plan**

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*.

UMA Engineering Ltd./AECOM Canada Ltd. has submitted a Post-Construction Monitoring Plan (Plan) for the FOX-2 Longstaff Bluff DEW Line Site, as part of Water License 1BR-LON0813, issued by the Nunavut Water Board. The FOX-2 DEW Line site is owned by the Department of National Defence and is located at 68°38'99"N 71°13'76"W. There are six landfill areas at the FOX-2 site that are included in the landfill monitoring program, they are: non-hazardous waste landfill, tier II soil disposal facility, airstrip landfill, airstrip camp landfill, west landfill, and upper site landfill.

Upon review of the Plan, EC provides the following comments and recommendations for the Nunavut Water Board's consideration:

- There is no indication of what guideline levels the monitoring program will compare sample values to. It is recommended that either guidelines are developed prior to implementing the monitoring program, or available guidelines (e.g., CCME) are used.
- The plan should be updated once the sampling locations at the Tier II Disposal Facility, the Non-hazardous Landfill, the Upper Site Landfill, and at the Airstrip Landfill, Airstrip Camp Landfill and West Landfill are determined (Tables 1, 2, 3, and 4).

Previous comments and recommendations submitted by Environment Canada relating to the FOX-2 Longstaff Bluff site 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 paula.c.smith@ec.gc.ca

Yours truly,

Canada

Original signed by

Paula C. Smith
Environmental Assessment Coordinator
Environmental Assessment – North
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cc: Carrie Spavor, (Environmental Assessment Coordinator, Iqaluit, NU)
Carey Ogilvie (Head, EA-North, EPO, Yellowknife, NT)
Ron Bujold (Environmental Assessment Technician, EPO, Yellowknife, NT)
Mirey Lopez (Contaminated Sites Officer, Environment Canada, Calgary, AB)

References

CCME. 1999. Canadian Water Quality Guidelines for the Protection of Aquatic Life. Retrieved from <http://www.ccme.ca/publications/>.