



Environment Environnement
Canada Canada

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Our file: 4517 000 002

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RE: NIRB 03DN052 – Defence Construction Canada – DEW Line Site Clean-up – FOX-2, Longstaff Bluff, NU

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 Environment Canada's mandated responsibilities for the enforcement of 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., on behalf of Defence Construction Canada, is proposing to excavate hydrocarbon contaminated soils from the Beach Landing and Storage Area of the FOX-2 Longstaff Bluff DEW Line Site. The excavated soil will be stockpiled within the existing bermed POL tank area until the full clean-up of the site in 2009.

Environment Canada recommends that the following conditions be applied throughout all phases of the project:

- The proponent shall not deposit, nor permit the deposit of any fuel, chemicals, wastes or sediment into any water body. According to the Fisheries Act, Section 36(3), the deposition of deleterious substances of any type in water frequented by fish, or in any place under any conditions where the deleterious substance, or any other deleterious substance that results from the deposit of the deleterious substance, may enter any such water, is prohibited.
- All sumps shall be located above the highwater mark of any water body and in such a manner as to prevent the contents from entering any water body frequented by fish. Further, all sumps shall be backfilled upon completion of the season and recontoured so as to match the existing landscape.
- Environment Canada recommends the use of an approved incinerator for the disposal of combustible camp wastes.
- Environment Canada recommends that if it is necessary to excavate contaminated soils in close proximity to a water body, measures be taken to ensure that sedimentation of the waterway does not occur. This could include the use of silt curtains, silt fences, or other such preventative measures.
- The proponent shall not deposit nor permit the deposit of sediment into any water body. The ecological balance of fish and plants in rivers and lakes can easily be upset by sedimentation or blockage from quarrying. A minimum undisturbed buffer zone of one

hundred metres (100) shall be maintained between the proposed quarry operation and the high water mark of any definable watercourse as identified on a 1:50,000 NTS map.

- Environment Canada recommends that when storing barrelled fuel on location for the project, secondary containment, such as self-supporting insta-berms, be used.

Please do not hesitate to contact me with any questions or comments with regards to the foregoing at (867) 975-4639 or by email at colette.meloche@ec.gc.ca.

Yours truly,

Colette Meloche
Environmental Assessment Specialist

cc: (Mike Fournier, Northern Environmental Assessment Coordinator, Environment Canada, Yellowknife)