



Environment Environnement  
Canada Canada

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Our file: 4517 000 005

Via Facsimile

**RE: NIRB 03DN126 – Site Investigation – Pin 4 Dew-Line Site Cleanup, Byron Bay, 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*, and the *Migratory Birds Convention Act*.

UMA Engineering, Ltd., on behalf of Defence Construction Canada, is seeking a land use permit to conduct a site investigation at the Pin 4 Dew-Line site, located at Byron Bay, NU. The proposed project includes plans to collect soil samples, water samples, and subsurface soil samples using a mini-excavator, and collect samples of structural materials to test for contamination. Other aspects of the project include performing an inventory of buildings and facilities on site, identifying surface debris, performing a geophysical survey of landfills, identifying potential sources of granular material, identifying potential areas for site disposal locations, facilities, storage areas, construction camp, etc. required for clean-up activities, and completion of topographic and location surveys.

Environment Canada supports the monitoring/mitigation requirements identified by the proponent in the project application, and recommends that the following conditions be applied throughout all phases of the project:

- The proponent shall not deposit, nor permit the deposit of sediment, chemicals, fuels or wastes associated with this project 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 landfills shall be located and capped in such a manner as to prevent erosion from occurring. Further, all landfills shall be located above the high water mark of any waterbody and in such a manner as to prevent the contents and/or any runoff from entering any waterbody frequented by fish.
- All sumps are to be located above the high water mark of any waterbody and in such a manner as to prevent the contents from entering any waterbody frequented by fish. All

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sumps shall be backfilled upon completion of the work period to prevent the contents from entering any waterbodies.

- Environment Canada encourages proponents, if storing barrelled fuel at a location, to use secondary containment, such as self-supporting insta-berms. All fuel caches shall be located in such a manner so as to prevent the contents from entering any waterbody frequented by fish.
- Environment Canada recommends the use of an approved incinerator for the disposal of camp wastes.
- The proponent shall prepare and submit a hazardous waste management plan for review.
- Drip pans should be used while refuelling any equipment used at the site.

Environment Canada should be notified of any changes to the operating plan of this project, 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) 975-4639 or by email at [colette.meloche@ec.gc.ca](mailto:colette.meloche@ec.gc.ca).

Yours truly,

Colette Meloche  
Environmental Assessment Specialist

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