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NWB file: 1BR-ROB0813

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*Via email: [licensingadmin@nunavutwaterboard.org](mailto:licensingadmin@nunavutwaterboard.org)*

**RE: 1BR-ROB0813 E11 Quarry Management Plan**

Environment Canada (EC) has reviewed the information submitted with the above-mentioned application to the Nunavut Water Board (NWB). 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*.

Indian and Northern Affairs Canada (INAC) has submitted a Quarry Management Plan as a requirement of Part E, Item 11 of water license 1BR-ROB0813. The Plan summarizes the proposed borrow sources for the Roberts Bay and Ida Bay project. Upon review of the Quarry Management Plan, EC provides the following comments and recommendations for the NWB's consideration:

- The proponent shall not deposit, nor permit the deposit of chemicals, sediment, wastes, or fuels associated with the 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 deleterious substance that results from the deposit of the deleterious substance, may enter any such water, is prohibited.
- It is recommended that an undisturbed buffer zone of at least 100 metres be maintained between any quarrying that may occur and the normal high water mark of any water body.
- The proponent shall ensure that silt fences/curtains are installed down gradient of any quarrying activities.
- No disturbance of the stream bed or banks of any definable watercourse is permitted; clearing adjacent to streams/lakes should be done without disturbing the organic layer.
- EC recommends that a Spill Contingency Plan be prepared for the operation of the quarry. The possibility of broken fuel lines and hydraulic hoses likely exists with the heavy equipment to be operated at the site. The proponent should have a Spill Contingency Plan that outlines a clear path of response and should include, but is not limited to, the following:
  - Operational practices for the handling of fuels and hazardous fluids;
  - List of persons to be contacted in the event of a spill; and,
  - Location of equipment, both on and off site, to be used in the event of a spill.

- Please note that any spill of fuel or hazardous materials, adjacent to or into a water body, regardless of quantity, shall be reported immediately to the NWT 24-hour Spill Line at (867)920-8130.
- Also, an appropriate spill kit with absorbent materials should be located at the quarry site while equipment is operating and drip pans should be used when refueling equipment.
- EC recommends that an Abandonment and Restoration Plan be prepared for the proposed quarry site. This Plan should contain the proponent's reclamation objectives and procedures for the area affected by excavation activities. EC suggest that the Plan include both seasonal shutdown and final abandonment and restoration procedures.

If there are changes to the 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](mailto:Paula.C.Smith@ec.gc.ca).

Yours truly,



Paula C. Smith  
Environmental Assessment Coordinator

cc: Carey Ogilvie (Head, Environmental Assessment-North, EPO, Yellowknife, NT)  
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