

# **Appendix I**

## **Proposed Mitigation Measures for Winter Road and Barge Activities**

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#### **Winter Road**

- The Contractor shall locate all camps on gravel, sand or other durable land.
- The Contractor shall locate all lines, trails, right-of-ways to be constructed parallel to streams a minimum of thirty (30) meters from any stream except at crossings unless otherwise authorized in writing by a land use inspector.
- The Contractor shall scout proposed lines and routes to select the best location for crossing streams and avoiding terrain obstacles.
- The Contractor shall remove all snow fills from stream crossings prior to spring break-up or completion of the land use operation unless otherwise approved in writing by an Inspector.
- The Contractor shall not conduct vehicle travel in areas without snow-covered surfaces.
- The Contractor shall construct and maintain winter roads with a minimum of ten (10) centimetres packed snow at all times during this land use operation. If this cannot be done, then the Contractor shall construct Ice Roads in a manner authorized by an Inspector.
- The Contractor shall minimize approach grades on all winter lake and/or stream crossings.
- The Contractor shall not cut any stream bank.
- The Contractor shall not use any material other than water in the construction of ice bridges.
- The Contractor shall not use any material other than snow in the construction of snow fills.
- The Contractor shall not move any equipment or vehicles unless ground surface is in a state capable of fully supporting the equipment or vehicles without rutting or gouging.
- The Contractor shall dispose of all combustible waste petroleum products by incineration or removal.
- The Contractor shall report all spills immediately to the 24 hour Spill Report Line, (867) 920-8130, which is in accordance with instructions contained in "Spill Report" form N.W.T.
- The Contractor shall minimize damage to wildlife habitat in conducting this land use operation.

- The Contractor shall not harass wildlife during this land use operation.
- During periods of caribou herd migration through the permitted area, the Contractor shall cease operations at any active caribou road crossings.
- The Contractor shall remove all non-combustible garbage and debris, including plastics from the land use area to a disposal site as specified in the accepted application.
- The Contractor shall not operate any vehicle within thirty (30) meters of a known or suspected archaeological site.
- The Contractor shall immediately cease any activity which disturbs an archaeological, historical and/or burial site.
- The Contractor shall not allow petroleum products to spread to surrounding lands or into water bodies.
- The Contractor shall submit to the Board, prior to commencement of operations, a spill contingency plan for chemical and petroleum spills.
- The Contractor shall ensure that adequate contingency plans and spill kits are in place, prior to commencement of operations, to respond to any potential spills.
- The Contractor shall dispose of all brush and debris cleared from trails and lines by: (a) pushing or felling the material into the adjacent forest; and (b) cutting branches from the stems, and cutting the stems into lengths so that all parts of the trees felled lie flat on the ground surface.
- The Contractor shall complete total disposal of all debris and brush cleared prior to the expiry date of this Land Use Permit.
- The Contractor shall complete all clean-up and restoration of the lands used prior to the expiry date to this Land Use Permit.
- The Contractor shall, while preparing the access road, make every effort to avoid covering or destroying traps or snares that may be found along these routes.
- The Contractor shall restore any trails used by trappers or hunters along access routes by slashing any and all trees that may fall across these paths or trails and by removing any other obstructions such as snow piles or debris that may be pushed across the trails.

### **Barge**

- The Contractor shall operate the barge in accordance with Transport Canada “Guidelines for the Operation of Tankers and Barges in Canadian Arctic Waters (Interim)” <http://www.tc.gc.ca/marinesafety/tp/TP11663/menu.htm>
- The Contractor shall ensure that no activities in and around any water body will do any damage to the shoreline of that water body.

- The Contractor shall ensure that all items are securely strapped and will not move during the transportation.
- The Contractor shall ensure that the barge is kept in good operational order and routinely checked and maintained.
- The Contractor shall use skidways when loading and unloading equipment from the barge.
- The Contractor shall operate the barge in compliance with the provisions of the "Ship Safety Standards and Guidelines for the Construction, Inspection and Operation of Barges That Carry Oil in Bulk," TP11960E.
- The Contractor shall ensure that no oil is stored in any forepeak compartments, provided they reach the full depth of the barge (otherwise, the tanks directly aft of the forepeak, which reach full depth, are also to be kept void), the forward port and starboard wing tanks (usually described as No1) and all aft peak compartments.