

Fisheries and Occans

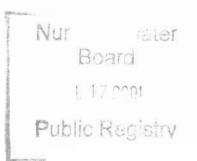
Pêches et Océans

Fish Habitat Management P.O. Box 358 Iqaluit, Nunavut XOA 0H0



June 28th, 2001

Diane Gregory
Kennecott Canada Exploration Inc.
354-200 Granville St.
Vancouver, B.C.
V6C 1S4



RE: NWB File # NWB2BRO, Water Use Application, Prospecting, Kennecott Canada Exploration Inc., Brodeur Peninsula, Nunavut.

Dear Ms. Gregory:

This letter is to advise that The Department of Fisheries and Oceans, Fish Habitat Management (DFO-FHM) received your Water Use Application for prospecting, in the Brodeur Peninsula area, submitted on your behalf by Nunavut Impact Review Board. This work will be conducted between June 1,2001 and the end of the summer field season. I have reviewed the plans for the proposed work.

Pield operations in or near water may result in the harmful alteration, disruption or destruction of fish habitat, which is prohibited under Section 35 of the Fisheries Act. In addition to the measures set out in the project proposal, the following mitigation measures, if incorporated into the project, are intended to prevent any potentially harmful impacts to fish and fish habitat:

- All disturbed areas should be stabilized and re-vegetated as required, upon completion of work, and restored to a pre-disturbed state.
- If artesian flow is encountered, drill holes should be plugged and permanently sealed upon completion of the project.
- When using explosives, please follow the Guidelines for the Use of Explosives In or Near Water (DFO, 1998) available on request. If, for any reason these guidelines cannot be followed, please contact DFO, as an Authorization may be required.
- If the drilling requires water in sufficient volume that the source waterbody may be
 drawn down please submit details (volume required, size of waterbody, etc.) to DFOFIJM for review. DFO-FHM does not recommend the use of streams as a water
 source.



- All water intakes should be properly screened to prevent the entrainment of fish.
 Refer to the Freshwater Intake End-of-Pipe Fish Screen Guideline (DFO 1995), available on request.
- Cutting or filling of crossing approaches below the normal high water mark will require prior review and approval by DFO-FHM.
- No material should be left on the ice when there is the potential for that material to enter the water (i.e. spring break-up).

Depositing deleterious substances into fish bearing waters is prohibited as stated under Subsection 36(3) of the *Fisheries Act*. The following are additional measures to mitigate habitat disturbance or loss as well as the deposition of deleterious substances.

- Sediment and crosion control measures should be implemented prior to, and maintained during the work to prevent entry of sand or sediment into the water.
- All activities, including maintenance procedures and vehicular refuelling, should be controlled to prevent the entry of petroleum products, debris, slash, rubble, or other deleterious substances into the water.
- All wastes, drill cuttings, sewage containments and fuel caches should be located a
 minimum of thirty (30) metres from the normal high water mark of any water body,
 and be sufficiently bermed or otherwise contained to ensure that these substances do
 not enter any water body.
- Drill cuttings should be disposed of in a sump such that they do not enter any water body. The use of biodegradable, salt free drill additives is encouraged over nonbiodegradable types.
- All spills of oil, fuel, or other deleterious material should be reported immediately to the 24-Hour Spill Line at (867) 920-8130.

If the proposed work is carried out as described in the plans provided to DFO-FHM and if the additional mitigation measures specified above are implemented, the proposed work will not be considered as contravening Subsection 35(1) of the Fisheries Act which reads:

"No person shall carry on any work or undertaking that results in the harmful alteration, disruption or destruction of fish habitat."

Therefore, an authorization under Subsection 35(2) of the Fisheries Act will not be necessary. If a harmful alteration, disruption or destruction of fish habitat and/or the deposition of deleterious substances into fish bearing waters occurs as a result of a change in the plans for the proposed works or failure to implement the additional mitigation measures specified above, prosecution under Subsection 35(1) and/or Subsection 36(3) of the Fisheries Act may be initiated.

Please note that this letter of advice does not release the proponent of the responsibility for obtaining any other permits that may be required and will apply for the proposed activities for the period of the Water Licence.



If you have any questions concerning the mitigation measures or should there be any changes to the proposed work, please contact me at (867) 979-8007 or Pete Cott at 669-4913 or by fax at (867) 979-8039.

Jordan DeGroot
Area Habitat Biologist
Fish Habitat Management
Department of Fisheries and Oceans-Eastern Arctic Area

c.c. Dionne Filiatrault - Nunavut Impact Review Board Stephanie Briscoe - Nunavut Water Board Winston Fillatre - A/C&P Supervisor/Fishery Officer

