

Environment
CanadaEnvironnement
Canada

NWT DIVISION

ENVIRONMENTAL PROTECTION BRANCH

PRAIRIE AND NORTHERN REGION

Box 370

YELLOWKNIFE, NT X1A 2N3

PH, (403) 920-6060

May 2, 1997

1165 036 L005

Jorgen Komak
Nunavut Impact Review Board
Box 2379
Cambridge Bay, NT X0E 0C0

BY FACSIMILE (403) 983-2574

Dear Mr Komak;

**Re: Land Use Application 97E07N030 - Cogema Resources Inc. - Mineral Exploration -
Sissons and Schultz Lakes Areas**

On behalf of the Environmental Protection Branch (EPB), Environment Canada, I have reviewed the information submitted with the above application.

EPB's contribution to your request for specialist advice is based primarily on the mandated responsibilities for the enforcement of Section 36 of the *Fisheries Act* and the *Canadian Environmental Protection Act* (CEPA). On the basis of the information provided, EPB believes that the above noted project has the potential to affect fish pursuant to the *Fisheries Act*.

Comments and Recommendations

1. The proponent shall ensure that any chemicals, fuel or wastes associated with the proposed project do not enter waters frequented by fish. All sumps and fuel caches should be located a minimum of thirty (30) metres from the normal high water mark of and in such a manner that no fuel can enter any such waterbody.
2. Drilling wastes from land-based drilling shall be disposed of in a sump such that they do not enter any waterbody.
3. If any lake-based winter drilling is done, the Interim Guidelines for On-Ice drilling will apply. Return water released to the lake must be non-toxic, and not result in an increase in total suspended solids in the immediate receiving waters of the lake above Canadian Council of Ministers for the Environment Guidelines for the Protection of Freshwater Aquatic Life (i.e. 10mg/L for lakes with background levels under 100 mg/L, or 10% for those above 100 mg/L).



4. Drilling additives or muds shall not be used in connection with holes drilled through the lake ice unless they are recirculated or contained such that they do not enter the water, or are demonstrated to be non-toxic.
5. With respect to access road construction, pad construction or other earthworks, the deposition of debris or sediment into any waterbody is prohibited. These materials shall be disposed of above the high water mark in such a fashion that they do not enter the water.
6. If artesian flow is encountered, drill holes shall be plugged and permanently sealed upon project termination.
7. The permittee shall not erect camps or store material on the surface ice of streams or lakes.
8. EPB shall be advised of any material changes to operating plans or conditions associated with this land use activity.

Please do not hesitate to contact me at (403) 920-6053 with any questions or comments regarding the foregoing.

Yours truly,

*original
Signed by*

Anne Wilson
Water Pollution Specialist

cc: Steve Harbicht (Head, Assessment & Monitoring, EPB)
Neil Scott (Inspector, EPB)
Brian Reilly (Cogema Resources Inc. Fax #306-343-4632)