



Fisheries and Oceans
Canada

Coast Guard

Central & Arctic Region

201 N. Front Street, Suite 703
Sarnia, Ontario
N7T 8B1

June 10, 2002

Gladys Joudrey
Nunavut Impact Review Board
PO Box 2379
Cambridge Bay, NT X0E 0C0

Pêches et Océans
Canada

Garde côtière

Région du Centre et de l'Arctique

Copy

Your file Votre référence

Our file Notre référence
1675-9-9



Dear Madam:

Thank you for your submission with regard to NIRB # 02EN091, Exploratory Drilling for Mineral Deposits, Alex McPherson, Kitikmeot Region, Nunavut.

The information will be reviewed by this office and our response will be forwarded to DFO Fish Habitat in Iqaluit. They in turn will prepare a Departmental response encompassing both the Navigable Waters Protection Act and the Fisheries Act.

Yours truly,

Barry Putt
A/Inspections Supervisor
Navigable Waters Protection

BP/kab

cc: FHM

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7 PAGES

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NWB2B0R DFO Comments-16AE



May 30 2002

David Sateana
Environmental Assessment Officer Trainee
NIRB - Cambridge Bay

Exploratory Drilling for Mineral Deposits - Platinex Inc.

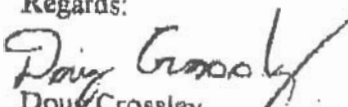
This seems to be generally a pretty simple and basic early exploration application. Normally there shouldn't be too many issues of concern as long as routine operating procedures are followed. I would suggest though that the proponent be fully briefed and perhaps this should be followed through with a written summary of instructions on the procedures of acceptable operations for a camp of this size and with the proposed intent.

It seems to me judging from the state of the application, this proponent does not have a lot of Northern experience. His drill crew Sub Contractors (Major Midwest Drilling) do; so very likely they will ensure proper operating conditions for the camp; however a briefing for the applicant would assist in creating awareness of the appropriate conditions of operation for this company. It is very important the applicant is aware of the need to regularly backhaul non-combustible material so as to avoid a build-up of "Junk" which can quickly become unmanageable and ultimately costly to comply with license needs.

The extent of the period being considered with this application should be clarified as well. If it is one-year only; then there are applicant requirements for additional site restoration over an operating length of say two years or more. The applicant might also be encouraged to contact the Kugluktuk Economic Development Manager (867-982-4471 - Sandy Buchan) to determine the availability of Kugluktuk resources including potential supply of camp materials, available labour expertise and the local availability of float planes at the time they would require them. This will also provide a potential Buy-In opportunity for the applicant with the nearby community.

The applicant should also identify a source for their drinking water as some of the small lakes in this area might have questionable water quality if required for domestic purposes. The Kugluktuk HTO should be able to advise on a suitable Drinking Water source in the vicinity of their proposed camp.

Regards:


Doug Crossley
CG&T - Cambridge Bay

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FAX NO. 807 878 8039

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Fisheries
and OceansPêches
et OcéansFish Habitat Management
P.O. Box 900
Igloolik, Nunavut
X0A 0H0

Your file Votre référence

0271N091

Our file Notre référence

June 3, 2002

Alex McPherson
Platinex Inc.
391-56 St.
Delta, B.C.
V4L 1Z4
Fax: (604) 943-0177**RE: NIRRI File # 0271N091, Exploratory Drilling near Kugluktuk, Nunavut.**

Dear Mr. McPherson:

This letter is to advise that The Department of Fisheries and Oceans, Fish Habitat Management (DFO-FHM) received the project proposal, submitted by the Nunavut Impact Review Board for exploratory drilling near the community of Kugluktuk. The proposed project length is June 2002 through to September 2002. During this time, land based drilling for copper will be conducted. DFO-FHM's assessment takes into consideration primarily fish and fish habitat related concerns. I have reviewed the plans for the proposed work.

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*. The following mitigation measures, along with mitigation measures indicated in the project proposal, are intended to prevent any potentially harmful impacts to fish and fish habitat:

- If artesian flow is encountered, drill holes should be plugged and permanently sealed upon completion of the project.
- All disturbed areas should be stabilized and re-vegetated as required, upon completion of work, and restored to a pre-disturbed state.
- No material should be left on the ice when there is potential for that material to enter the water (i.e. spring break-up).
- 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 DFO-FHM 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 1992), available on request.

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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 erosion control measures should be implemented prior to, and maintained during the work to prevent sediment entry into the water during a spring thaw.
- All plans for proposed stream crossings or work conducted below the high water mark adjacent to the banks of streams and lakes require prior approval by DFO-HM.
- All wastes, drill cuttings, sewage contaminants, 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 non-biodegradable types.
- All activities, including maintenance procedures and refuelling, should be controlled to prevent the entry of petroleum products or other deleterious substances into the water.
- 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-HM 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.

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 by fax at (867) 979-8038.

Jordan DeGroot
Area Habitat Biologist

Canada

JUN-04-2002 TUE 02:12 PM 017

FAX NO. 867 978 8038

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

c.c. Gladys Joudroy-Nunavut Impact Review Board
Rita Becker-Licensing Administrator, NWB
Ineslee Norcheak- A/C&P Field Supervisor

Canada

Received 06-04-02 12:17pm

From-867 978 8038

To-

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T-709 P.016/017 F-400

Mar-11-2003 07:21pm From-

COMMENT FORM FOR NIRB SCREENINGS

The Nunavut Impact Review Board has a mandate to protect the integrity of the ecosystem for the existing and future residents of Nunavut. In order to assess the environmental and socio-economic impacts of the project proposals, NIRB would like to hear your concerns, comments and suggestions about the following project application:

Project Title: <u>Exploratory Drilling for Mineral Deposits</u>	
Proponent: <u>Alex McPherson</u>	
Location: <u>Kivikmeot Region</u>	
Comments Due By: <u>June 18, 2002</u>	NIRB #: <u>02EN091</u>
Indicate your concerns about the project proposal below:	
<input checked="" type="checkbox"/> No concerns	<input type="checkbox"/> traditional uses of land
<input type="checkbox"/> water quality	<input type="checkbox"/> Inuit harvesting activities
<input type="checkbox"/> terrain	<input type="checkbox"/> community involvement and consultation
<input type="checkbox"/> air quality	<input type="checkbox"/> local development in the area
<input type="checkbox"/> wildlife and their habitat	<input type="checkbox"/> tourism in the area
<input type="checkbox"/> marine mammals and their habitat	<input type="checkbox"/> human health issues
<input type="checkbox"/> birds and their habitat	<input type="checkbox"/> other: _____
<input type="checkbox"/> fish and their habitat	
<input type="checkbox"/> heritage resources in area	
Please describe the concerns indicated above:	
Do you have any suggestions or recommendations for this application?	
As stated in application, As stated in application, drill cuttings/drill water must go into sumps greater than 30m from any water bodies - the same applies to grey water + sewage. These conditions will be duplicated in the land use permit	
Do you support the project proposal? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Any additional comments?	
Name of person commenting: <u>Ben Smith</u> of _____	
Position: <u>Water Resources</u>	Organization: <u>DIAND</u>
Signature: <u>Ben Smith</u>	Date: <u>June 13/02</u>