

ମୁଦ୍ରାତଃ୍କ ଦେଶପରିଷଦ୍ୟକ୍ ବ୍ୟାପକ୍ କାନୋଗିଲିଵାଲିଯାନିକ୍ ଏତୋହୀୟୋପଲିତିକ କାତିମ୍ୟିତ

June 1, 2000

To: Rita Becker
Licensing Administrator
Nunavut Water Board
Gjoa Haven, NU

Re: Camp & Fuel Cache for Mineral Exploration on Boothia Peninsula
NIRB: 00CN021 NWB: NWB2B00 DIAND: N2000J003

Enclosed is the completed NIRB Screening Decision Report on an application for a land use permit for a campsite/fuel cache to conduct mineral exploration on Boothia Peninsula in the Kitikmeot Region near Taloyoak.

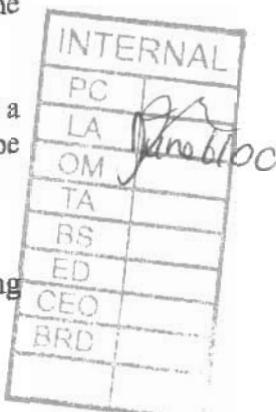
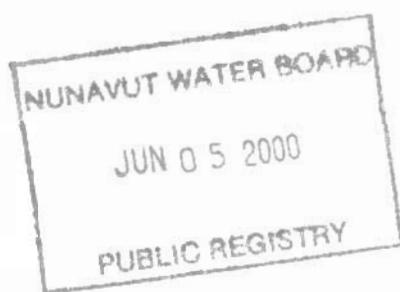
NIRB has screened this application for ecosystemic and socio-economic impacts of the proposal.

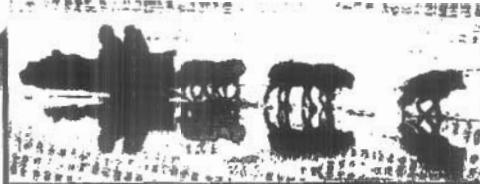
NIRB's indication to the Minister is: 12.4.4 (a) the proposal may be processed without a review under Part 5 or 6; NIRB may recommend specific terms and conditions to be attached to any approval, reflecting the primary objectives set out in Section 12.2.5;

Please contact me at (867) 983-2593 if you have any questions about the Screening Report.

Yours truly,

Gladys Joudrey
Environmental Assessment Officer





SCREENING DECISION

Date: June 1, 2000

Mr. Thomas Kudloo
Chairperson, Nunavut Water Board
Gjoa Haven, NT

Dear Mr. Kudloo:

**RE: Screening Decision of the Nunavut Impact Review Board (NIRB) on Application:
NIRB 00CN021 DIAND# N2000J0035 NWB NWB2BOO
Campsites/Fuel cache for Mineral Exploration on Boothia Peninsula
Cominco Ltd.**

Authority:

Section 12.4.4 of the Nunavut Land Claim Agreement states:

Upon receipt of a project proposal, NIRB shall screen the proposal and indicate to the Minister in writing that:

- a) the proposal may be processed without a review under Part 5 or 6; NIRB may recommend specific terms and conditions to be attached to any approval, reflecting the primary objectives set out in Section 12.2.5;
- b) the proposal requires review under Part 5 or 6; NIRB shall identify particular issues or concerns which should be considered in such a review;
- c) the proposal is insufficiently developed to permit proper screening, and should be returned to the proponent for clarification; or
- d) the potential adverse impacts of the proposal are so unacceptable that it should be modified or abandoned.

Primary Objectives:

The primary objectives of the Nunavut Land Claims Agreement are set out in section 12.2.5 of the Land Claims Agreement. This section reads:

In carrying out its functions, the primary objectives of NIRB shall be at all times to protect and promote the existing and future well-being of the residents and communities of the Nunavut Settlement Area, and to protect the ecosystemic integrity of the Nunavut Settlement Area. NIRB shall take into account the well-being of the residents of Canada outside the Nunavut Settlement Area.

The decision of the Board in this case is 12.4.4 (a) the proposal may be processed without a review under Part 5 or 6; NIRB may recommend specific terms and conditions to be attached to any approval, reflecting the primary objectives set out in Section 12.2.5;

Reasons for Decision:

NIRB's decision is based on specific considerations that reflect the primary objectives of the Nunavut Land Claims Agreement. Our considerations in making this decision included:

- storage and disposal of equipment, fuel, garbage, sewage, and grey water, and impact of these on the ecosystem;
- the potential impact to the ecosystem from accidental spillage of petroleum products;
- impact and disturbance to wildlife;
- impact and disturbance to archaeological sites;
- clean up/restoration of the camp site upon abandonment; and
- community concerns

Terms and Conditions:

- That the terms and conditions attached to this screening report will apply.

Fuel Storage

1. The Permittee shall ensure that all fuel storage containers are located thirty metres (30m) from the normal high water mark of any water body at all times during operation.
2. The Permittee shall ensure that any chemicals, fuels or wastes associated with the project do not spread to the surrounding lands or enter into any water body.
3. The Permittee shall take all reasonable precautions to prevent the possibility of migration of spilled petroleum fuel or chemicals over the ground surface.
4. The Permittee shall have one extra fuel storage container on site equal to, or greater than, the size of the largest fuel container.
5. The Permittee shall have a spill clean up kit located on site including equipment such as absorbent pads, shovels etc.
6. The Permittee shall immediately report all spills of petroleum and hazardous chemicals to the twenty four (24) hour spill report line at (867) 920-8130.
7. The Permittee shall examine all fuel and chemical storage containers daily for leaks.
8. The Permittee shall repair all leaks immediately.
9. The Permittee shall mark all fuel containers with the Permittee's name.
10. The Permittee shall seal all container outlets except the outlet currently in use.

Waste Disposal

11. The Permittee shall not discharge or deposit any refuse substances or other waste materials in any body of water, which will impair the quality of the waters of the natural environment.
12. The Permittee shall not locate any sumps or areas designated for waste disposal within thirty (30) metres of the ordinary high water mark of any body of water, unless otherwise authorized.

13. The Permittee shall construct a sump to contain all sewage and greywater discharged and shall ensure drainage is away from any waterbody.
14. The Permittee shall backfill and recontour all sumps to match the natural environment prior to the expiry date of the permit.
15. The Permittee shall keep all garbage and generated waste in a covered metal containers until disposed of.
16. The Permittee shall incinerate all combustible and food wastes to eliminate the potential for wildlife problems created by the attraction of wildlife to garbage.
17. The Permittee shall ensure that all wastes generated through the course of the operation are backhauled and disposed of in an approved dumpsite. The Permittee is to follow a "pack it in, pack it out" policy.
18. The Permittee shall remove all scrap metal, discarded machinery and parts, barrels, kegs, buildings, and building materials that are no longer required at the site.
19. The Permittee shall complete all clean-up and restoration of the lands prior to the expiry date of the permit.

Camps

20. The Permittee shall locate all camps on gravel, sand, or other durable land.
21. The Permittee shall not erect camps or store material on the surface ice of lakes or streams.

Wildlife

22. The Permittee shall ensure that there is no damage or disturbance to wildlife or their habitat in conducting this operation.
23. The Permittee shall not feed wildlife.
24. The Permittee shall ensure that aircraft pilots adhere to recommended flight altitudes of greater than 300 m above ground level as to not disturb wildlife. Raptor nesting sites and concentrations of nesting or molting waterfowl should be avoided by aircraft at all times.
25. The Permittee shall ensure compliance with Section 36 of the *Fisheries Act* which requires that no person shall deposit or permit the deposit of a deleterious substance on any type in water frequented by fish or in any place under any conditions where the deleterious substance may enter such a water body.
26. The Permittee shall use the latest bear detection and deterrent techniques to minimize man-bear interactions and shall report any Man-Bear Interactions to the nearest GN Renewable Resource Officer.
27. The Permittee shall not hunt or fish, unless the appropriate permits and licenses are acquired from a Renewable Resources Officer.

Environmental

28. The Permittee shall ensure that the land use area is kept clean and tidy at all times.
29. The Permittee shall be required to undertake any corrective measures in the event of any damage to the land as a result of the Permittee's operation.
30. The Permittee shall undertake only the activities specified in their permit application.

31. The Permittee shall not use any equipment except of the type, size, and number that is listed in the accepted application.
32. The Permittee shall not conduct any overland movement of vehicles or equipment unless the ground surface is in a state capable of fully supporting the equipment or vehicles without rutting or gouging.
33. The Permittee shall suspend overland travel of equipment or vehicles if rutting occurs. Restoration of the land shall occur immediately thereafter.
34. The Permittee shall be required to undertake any corrective measures in the event of any damage to the land or water as a result of the Permittee's operation.

Archaeological Sites

35. The Permittee shall follow all terms and conditions for the protection and restoration of archaeological resources as outlined by the Department of Culture, Language, Elders and Youths (CLEY) in attached letter.

Attachments

36. The Permittee shall refer to the attached Department of Sustainable Development comments and recommendations and the Fisheries and Oceans letter of advice addressed to the Permittee.

Reclamation

37. The Permittee shall complete all clean-up and restoration of the lands used prior to the expiry date of the permit.

Other Recommendations

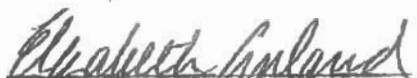
1. NIRB would like to encourage the proponent to hire local people and services, to the extent possible.
2. NIRB strongly advises proponents to consult with local residents regarding their activities in the region.
3. Proponents are strongly urged to negotiate in advance the amount to be compensated in the event that a defense kill of a polar bear occurs.
4. Any amendment requests deemed by NIRB to be outside the original scope of the project will be considered a new project.

Validity of Land Claims Agreement

Section 2.12.2

Where there is any inconsistency or conflict between any federal, territorial and local government laws, and the Agreement, the Agreement shall prevail to the extent of the inconsistency or conflict.

Dated June 01/00 at Edmonton, AB



Elizabeth Copland, Vice-Chairperson

**NUNAVUT IMPACT REVIEW BOARD
SCREENING FORM**

1. General File Information on Screening

NIRB #: DDCNWQV
(W-XXX)

Authorizing Agency #(s): W2000035
permit or licence #

Project Title: Composite Fuel Cache for Mineral Exploration

Proponent: Cominco Ltd. Name of Project
Company/ Applicant

Proponent's Address: Suite 400, Oceanic Plaza
1026 West Hastings Street
Vancouver, BC V6E 3X1
Full Address

Contractor: _____ Company / persons doing the work if different from the proponent

Proposed Dates of Activity: Start Date May 1, 2005 End Date Sept 30, 2005

EA Starting Date: May 2, 2000 Date application accepted (yyyy-mm-dd)

Date Application Referred for Comments: May 3, 2000
(yyyy-mm-dd)

Deadline for Comments: May 21, 2020 (yyyy-mm-dd)

NIRB's EA Indication: **12.4.4 (d)**

Date of Indication: June 5, 2000
(yyyy-mm-dd)

Project Cancelled: Yes, Give Reason _____

Comments: _____

2. Authorizing Agencies

Authorizing Agency(ies): Kivalliq I.A., Kitikmeot I.A., QIA, NWB, NWMB, DIAND, DFO, DOE, NRI, RWED, Other: _____

Authorizing Agency Contact Person: Sandra Bradbury
(office where project file is located, contact person, number)

Land Status: Inuit Owned Crown Commissioner's Marine Areas

Type of Application: Land use permit
(e.g. water licence, land use permit, quarry permit, research permit, lease, reserve)

Type of Approval being sought: New
(e.g. new, renewal, amendment, cancellation)

Other required approvals, permits or licences: Water licence
(e.g. water licence, land use permit, quarry permit, lease, reserve)

Present Authorizations (active): _____
(file number)

Previous Authorizations (inactive/expired): _____
(file number)

3. Project Location

Kivalliq _____ Kitikmeot Baffin _____

Land Use Planning Region: East Kitikmeot
(e.g. West Kitikmeot, North Baffin, South Baffin, Kivalliq)

Geographic Place Name: Baffin Peninsula
(nearest place name or geographic feature)

Local/Traditional Name: _____

National Topographic Sheet (NTS) Number: 54G, F Scale: 67E, H

Latitude/Longitude: 70°45'N, 93°08'W to 71°50'N, 96°30'W
(degrees, minutes seconds)

Drainage Region and Watershed: Major Lake
(nearest creek, river or lake system)

Nearest Settlement: Taloyoak

Adjacent Settlement/Out-post camps: _____

Special Designation: No
(Yes/No - e.g. Heritage River, Wildlife Reserve, Park)

Does the project have Nunavut transboundary implications? Yes _____ No

If yes, what additional procedures/contacts are needed?

4. Project Description and Assessment

Physical Work, Activity(ies): Camp, exploration
(drilling, construction, camp, research, water works, installation, modification, maintenance)

Multiple Activities: Yes No

Project Category Code Point Multiple Points Linear

Phase of Project: operations
(exploration, bulk sampling, development, operations, decommissioning, abandonment, restoration)

Project Description Summary (non-technical).

(duration of project, size of project, number of personnel on site, related physical activities, machinery used, fuels and chemical use and storage, associated infrastructure, methods of transportation, amount and source of resources needed eg. Gravel)

Attach Project Overview (English and Inuktitut)

Alternatives Considered:

(list all alternatives to the project and/or components of the project to avoid unnecessary amendments, (e.g. alternatives to location of ice road or camp logistics)

5. The Proponent's Public Consultation Process**Description of Proponent's Public Consultation Process**

Proponent will offer a consultation visit to
agrees the proposed program to the
community of Tuktoyaktuk

Did proponent make use of traditional knowledge? Yes No

Was information available in the community's preferred language? Yes No

In NIRB's opinion, was the proponent's public consultation adequate? Yes No

If no, explain why the proponent's consultation program was found deficient.

NIRB Project Proposal Information Requirements related to our Class A Land Use Permit Application

0. Non-technical Project Proposal Summary

Cominco Ltd. will be conducting a 2000 exploration program from a small reconnaissance-scale camp on the north end of the Boothia Peninsula, mainland Nunavut. The fieldwork in 2000 includes helicopter supported prospecting, and soil, silt and lake sediment geochemical sampling. The work will be conducted on recently acquired Cominco Ltd. prospecting permits covering both DIAND-administered and Type I Lands. A total of eight persons will be on site for the project. The crew, camp and fuel caches will be transported to site via Twin Otter this summer. This field program is planned to start near the middle of July and run for approximately four weeks until the middle of August. The camp will be mobilized in the second week of July and will be placed on DIAND-administered Land. As prospecting may also be conducted over Type I surface land parcels in the area, requisite permits will be applied for. Consultation with the local regional community has been a regular part of Cominco's exploration activities in past years and we will be doing the same in Taloyoak. A meeting will be proposed with the community counsel, CLARC and the HTA prior to the start-up of the 2000 field program with timing at the discretion of the community.

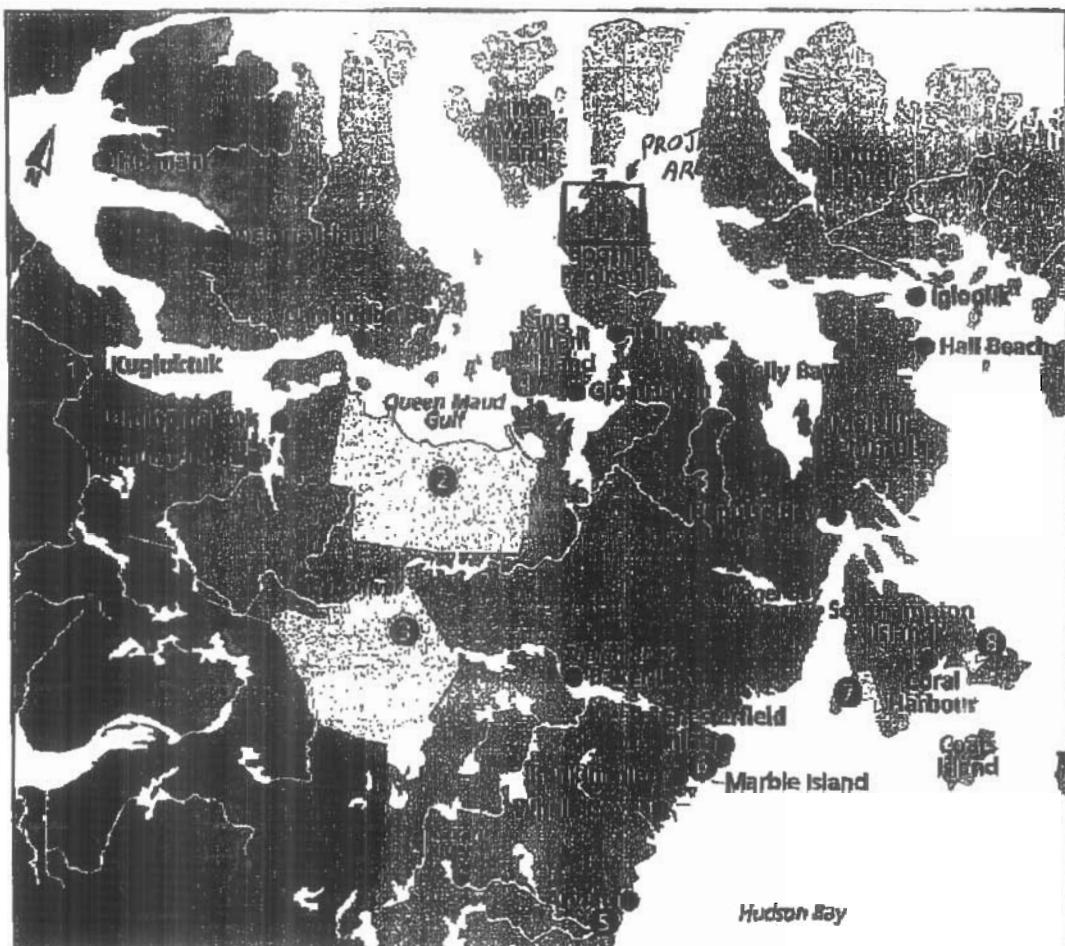
A handwritten signature in black ink, appearing to read "John K. K." or a similar variation, is placed here.

9. የአድራሻውን ማረጋገጫ የሚከተሉ ለመስጠና

W. W.

Map of Arctic Coast/Hudson Bay West Coast, Nunavut

<http://www.arctic-travel.com/maps/bluearea.html>



6. Description of the Environment

Description of Biophysical Environment

The northern half of Boothia Peninsula provides important year round range for between 1,000 and 2,000 barren-ground caribou.

Along the east coast of Boothia Peninsula provides summer retreat for polar bears when the coastal ice has disappeared.

Wolves and foxes are thought to be in this area.

A large area of important habitat for birds on Boothia Peninsula.

Description of Socio-Economic and Cultural Environment

Several Spruce Bay hunters occasionally travel to Frobisher Bay by boat to hunt caribou.

7. NIRB's Consultation Process

Date application referred for comments

May 3, 2000

(yy-mm-dd)

Deadline for comments:

May 14, 2000

(yy-mm-dd)

Distribution List:

Contact Person

Date comments received:

NUNAVUT:

- NTI
- QIA
- Kivalliq I.A.
- Kitikmeot I.A.
- NPC
- NWB
- NWMB
- RWO
- Inuit Heritage Trust
- Community(s)
- Hamlet _____
- HTO _____
- Other? _____

Jack KaniakMay 23, 2000

FEDERAL:

- DIAND
- DFO
- DOE
- Heritage Can.
- Natural Resources
- Other? (eg. Health
- DOT, DND)

Katherine SilcockMay 16, 2000Stephen HarbichtMay 15, 2000Rick McLeanMay 11, 2000

GOVERNMENT OF NUNAVUT:

- Sustainable Dev.
- CGHT
- HSS
- CLEY
- Other? _____

Dave CrossleyMay 15, 2000

TRANSBOUNDARY PARTIES

OTHER PARTIES

Identification of Project Activities and Environmental Effects

Identify all activities of the project under screening and their potential adverse environmental effects.

Project Activities

check all the items appropriate to this project)

- access road
 - winter
 - construction
 - abandonment/ removal
 - modification e.g., widening
- automobile, aircraft or vessel movement
- blasting
- burning
- burying
- channelling
- construction
 - building
 - shed/ warehouse
 - landing strip
- cut and fill
- removal of vegetation
- dams and impoundments
 - construction
 - abandonment/ removal
 - modification
- ditch construction
- drainage alteration
- drilling other than geoscientific
- ecological surveys
- excavation
- explosive storage
- fuel storage
- garbage
 - disposal of hazardous waste
 - disposal of sewage or grey water
 - disposal of solid waste
- geoscientific sampling
 - trenching
 - diamond drill
 - borehole core sampling
 - bulk soil sampling
- quarry
- hydrological testing
- over/ stream/lake crossing/ bridging
- site restoration
 - fertilization
 - grubbing
 - planting/ seeding
 - scarification
 - spraying
 - recontouring
- soil testing
- topsoil, overburden or soil
 - fill
 - disposal
 - removal
 - storage
- tunnelling/ underground
- other, explain Camp/ Fuel Cache
- possibility for accidents or malfunctions. Describe. Fuel spill

effects of environment on project (e.g., flooding). Describe. _____

Project Effects

check all the items appropriate to this project)

Directly-related Socio-Economic & Cultural Effects:

1. impact to hunting / trapping / fishing
2. impact on women
 - men
 - children
 - elders
3. impact to traditional use or traditional use area
4. impact to outfitters
5. impact on recreational use
6. impact on family structure
7. impact to community health
8. change in community economics
9. change in community housing or infrastructure
10. impact to industry
11. change in regional transportation
12. impact to archaeological or cultural landmarks
13. impact on beauty of the landscape
14. other, explain _____

Biophysical Environment Effects

15. deposit into surface or ground water
16. deposit to marine environment
17. change in surface or ground water flow
18. change in water temperature
19. change in drainage pattern
20. change in air quality
21. change in air flow
22. micro-climate change
23. ice fog
24. change in ambient noise level
25. deposit onto ground surface
26. change in slope stability
27. change in soil structure
28. alteration of permafrost regime
29. destabilization/erosion
30. soil compaction
31. change in access to renewable resources
32. depletion of non-renewable resource
33. removal of rare/endangered plant species
34. introduction of species
35. toxin/heavy metal accumulation
36. removal of rare/endangered wildlife species
37. change in wildlife health
38. impact to large mammals
39. impact to small mammals
40. impact to fish
41. impact to birds
42. impact to other wildlife
43. impact in a calving, nesting, staging or spawning area
44. removal of wildlife buffer zone
45. change in wildlife habitat/ecosystem
46. other, explain _____

Describe biophysical and socio-economic and cultural effects identified from check-list.

Environmental Effect	Describe
#24	Change in ambient noise level from activities and helicopter
#25	depositing grey water and sewage into ground surface.
#36, 41	Activities in the area could disturb large mammals and birds.

9. Cumulative Effects: Identification of Other Resources Used in the Area. Identify past, current and future (pending applications) physical works and activities in the area (for the proponent, other proponents and nearby communities) and their potential adverse environmental effects.

Other Resource Uses

check all the items appropriate to this project

harvesting

- marine mammals
- land mammals
- fur bearers
- birds
- shellfish
- plants
- berries
- fish

mining

- exploration
- open pits
- underground
- off-shore

mineral processing

industry _____ (type)
 quarries

- carving stone
- aggregate

transportation/communications

- airport / landing strip
- roads/access routes
- shipping
- channels/canal
- telephone lines, satellite dishes, cables
- beacons

waste disposal (solid, liquid or gas?)

energy project

- hydro
- pipeline
- transmission line

other water licenses, permits, leases

lands

- Inuit owned
 - surface rights
 - sub-surface rights

Crown

- Commissioner's
- Marine Areas

other private lands held under tenure

heritage sites or archaeological sites

recreation (e.g. cabins, tent frames)

tourism

municipal (construction)

- commercial
- built structures
- infrastructure

agriculture

forestry

other, explain _____

Effects from Other Resource Uses

check all the items appropriate to the scope of this project

Directly-related Socio-Economic & Cultural Effects:

1. impact to hunting / trapping / fishing
2. impact on _____ women
 - men
 - children
 - elders
3. impact to traditional use or traditional use area
4. impact to outfitters
5. impact on recreational use
6. impact on family structure
7. impact to community health
8. change in community economics
9. change in community housing or infrastructure
10. impact to industry
11. change in regional transportation
12. impact to archaeological or cultural landmarks
13. impact on beauty of the landscape
14. other, explain _____

Biophysical Environment Effects

15. deposit into surface or ground water
16. deposit to marine environment
17. change in surface or ground water flow
18. change in water temperature
19. change in drainage pattern
20. change in air quality
21. change in air flow
22. micro-climate change
23. ice fog
24. change in ambient noise level
25. deposit onto ground surface
26. change in slope stability
27. change in soil structure
28. alteration of permafrost regime
29. desratilization/erosion
30. sod compaction
31. change in access to renewable resources
32. depletion of non-renewable resource
33. removal of rare/endangered plant species
34. introduction of species
35. toxin/heavy metal accumulation
36. removal of rare/endangered wildlife species
37. change in wildlife health
38. impact to large mammals
39. impact to small mammals
40. impact to fish
41. impact to birds
42. impact to other wildlife
43. impact in a calving, nesting, staging or spawning area
44. removal of wildlife buffer zone
45. change in wildlife habitat/ecosystem
46. other _____

10. Cumulative Environmental Effects

Based on a comparison of effects identified in #8 and #9.

Matching Number's:

Description of Cumulative Environmental Effects

- Will the project make large demands on non-renewable energy sources?
- Will the project encourage further developments within the current project or other developments (other similar projects, energy development, generation, petroleum development and extraction, the building of additional roads)?
- Will the project encourage a "boom-bust" economy over an economy of permanence?
- Will the project encourage more wildlife harvesting on account of better access for hunters and fishers?
- Will the project have an effect on the water quality of the watershed?
- Will the project have a significant effect on existing land uses?

11. Mitigation Measures

For each environmental effect identified in #8, #9 and #10, describe the required mitigation measures.

Number(s)
(as identified
in $\#8$, $\#9$ & $\#10$)

Description of Mitigation Measures

See Screening Decision Report T&C.

12. Significance

After taking into account the mitigation measures identified in #11, are any of the residual adverse environmental effects significant?

Yes No

If yes, identify which one(s), and proceed to #13; if no proceed to # 14.

Number(s) _____

13. Likelihood of Occurrence

Of the significant, residual, adverse environmental effects identified in #12, are any likely to occur?

Yes No

Number(s) _____

14. Information Sources

What sources of information were used in the screening process?

- local knowledge
- traditional ecological knowledge
- land use plans (and draft land use plans)
- authorizing agencies' data
- departmental or agency opinions
- maps
- photos
- reports (scientific, economic, social, or anthropological, archival or historical information)
- Nunavut Environmental Database (NED)
- personal communications
- Project Registry (NPC)
- previous similar projects
- service organizations
- media monitoring
- experts
- other _____

For information sources identified above, provide contact person and/or information location (for future follow-up): _____

15. Staff Recommendations

Staff Recommendations: (include rationale)

Prepared By: Charles Jaudrey Scratches Date: May 19, 2000 (mm-mm-yy)

16. NIRB'S Principles

- The project has significant adverse effects on the ecosystem, wildlife habitat or Inuit harvesting activities.
- The project may have significant adverse socio-economic effects on northerners.
- The project will cause significant public concern.
- The project involves technological innovations for which the effects are unknown.
- The project does not have significant effects or concerns.

17. Indication to the Minister (12.4.4)

N.B. Transfer this information to Box 1: "EA Indication" and "Date of Indication".

a) the proposal may be processed without a review under Part 5 or 6: NIRB may recommend specific terms and conditions to be attached to any approval, reflecting the primary objectives set out in Section 12.2.5;

b) the proposal requires review under Part 5 or 6: NIRB shall identify particular issues or concerns which should be considered in such a review;

c) the proposal is insufficiently developed to permit proper screening, and should be returned to the proponent for clarification; or

d) the potential adverse impacts of the proposal are so unacceptable that it should be modified or abandoned.

18. Terms and Conditions

If the determination is 12.4.4 (a), NIRB's terms and conditions include those listed in the **Screening Decision Report**.

Specific Terms and Conditions to note include:

19. Authorization

Approved By: Elizabeth Culland
NRA Decision Maker

Date: June 01/00 (mm-mm-dd)

20. Follow-up / Monitoring

Minister's Determination

Action? Minister agreed with NIRB's indication.

Minister varied NIRB's indication.

Minister rejected NIRB's indication

If applicable,

— Is a follow-up/monitoring program required? If yes, give details.

Has screening report information been added to NIRB's GIS/Calyx system?

Fisheries
and OceansPêches
et Océans

Fish Habitat Management
Suite 101, 5204-50th Avenue
Yellowknife, Northwest
Territories
X1A 1E2

Your file: *Yours reference*

Our file: *Notre référence*
NU00024

May 24, 2000

Jeffrey Heidema
Cominco Limited
Suite 400, Oceanic Plaza
1066 Hastings Street
Vancouver, B. C.
V6E 3X1

RE: Land Use Application 00CN021, Prospecting Camp Boothia Peninsula, Cominco Ltd.

Dear Mr. Heidema:

This letter is to advise that The Department of Fisheries and Oceans, Fish Habitat Management (DFO-FHM) received your Land Use Application for a prospecting camp in the Boothia Peninsula Area submitted on your behalf by the Nunavut Impact Review Board. I have reviewed the plans for the proposed work.

Field 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.

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.

- 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, 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.

- 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 Land Use Permit.

If you have any questions concerning the mitigation measures or should there be any changes to the proposed work, please contact me at (867) 669-4916 or Pete Cott at 669-4913 or by fax at (867) 669-4940.

lw

Lyndon Kivi
Area Habitat Biologist
Fish Habitat Management
Department of Fisheries and Oceans

c.c. Pete Cott - A/Arctic Habitat Co-ordinator, DFO-FHM
Winston Filatre - A/Conservation and Protection Supervisor DFO-C&P
Gladys Joudrey - Nunavut Impact Review Board

MAY-18-00 07:54 From:DIAND WATER RESOURCES
00-May-03 04:31pm From:NUNAVUT IMPACT REVIEW BOARD

1-867-669-271

T-426 P.02/05 Job-887

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 project proposals, NIRB would like to hear your concerns, comments and suggestions about the following project application:

Project Title: Campsite/Fuel Cache for Mineral Exploration on Boothia Peninsula

Proponent: Cominco Ltd.

Location: Boothia Peninsula in the Kitikmeot

NIRB#: 00CN021

Comments Due By: Wednesday May 24, 2000

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? Sumps for grey water and/or sewage should be located > 30m from any water bodies.

Do you support the project proposal? YES NO

Any additional comments?

Name of person commenting: KATHERINE SILCOCK **of** DIAND
Position: PROJECT SPECIALIST **Organisation:** Water Resources
Signature: Katherine Silcock **Date:** May 9, 2000



Environment Canada Environnement Canada

Environment Canada
Environmental Protection Branch
Suite 301 5204 50th Ave
Yellowknife, NT
X1A 1E2

15/5/00

May 15, 2000

Gladys Joudry
Environmental Assessment Officer
P.O.Box 2379
Cambridge Bay NT X0E 0C0

RE:Land Use Permit NIRB # 00CN021 Campsite/fuel cache for Mineral exploration on Boothia Peninsula Cominco Ltd.

On Behalf of Environment Canada, Environmental Protection Branch and Environmental Conservation Branch, Mark Mallory and I have reviewed the information provided for the above noted Land Use Application. The following comments and recommendation are offered for your consideration.

The proposed site appears to be North of the Rasjuussen Lowlands and South of Cresswell Bay which should not interfere with known migratory bird habitat/s. EC recommends that helicopter activity should avoid areas of observed bird concentrations, and aircraft should maintain altitudes of 1500 feet where possible.

EC encourages exploration companies, when storing barreled fuel at location, to use a secondary container rather than relying on "natural depressions". There are self supporting instant berms now available from various suppliers within Canada and if these insta berms are used properly it will virtually eliminate the possibility of ever having to deal with petroleum contaminated soils.

The applicant shall ensure that any chemicals, fuel or wastes associated with the proposed project do not enter waters frequented by fish. All sumps, spill basins and fuel caches should be located a minimum of thirty (30) meters from the normal high water mark of any such waterbody.

I can be contacted at (867) 66904733 or fax (867) 873-8185 or Email
stephen.harbicht@ec.gc.ca

Sincerely

Stephen Harbicht
Head, Assessment and Monitoring, EPB Yellowknife

cc Mark Mallory ECB Iqaluit





May 15 2000

Gladys Joudrey
Environmental Assessment Officer
N.I.R.B.
Cambridge Bay, NT

**Comments to Cominco Application - Fuel Cache - Boothia Peninsula
NIRB File # 00CN021**

For this initial application on a preliminary phase of the work at a proposed Cominco Boothia Peninsula exploration camp, there are no significant concerns towards the application as presented that I might note. This applicant has extensive experience in working in the North and has followed a similar approach at other Northern and Kitikmeot exploration locations.

I would certainly encourage, as identified, a meeting in the community with the KIA representative and perhaps with the Council and the HTO if they were wishing to be directly involved. The opportunity for employment involvement by a member of the Taloyoak community has to be followed through with as this Hamlet suffers from a chronic lack of these type of opportunities.

I would stress that all materials used should be back hauled to the source of location. This would include empty drums, equipment whether still functional or not and the actual camp at the closure of the permit period. This is generally a standard practice but should form a part of the license if approval is to follow; so that there is a means of recourse to ensure compliance by the applicant or at least a means to see they pay for any further follow-up clean-up.

Helicopter minimum altitudes around wildlife should also be part of the conditions applied to this license request.

The spill report and the material proposed to be on site appear to be adequate to meet the initial small needs for this purpose.

The HTO and Community must consider that their support of this initial permit could result in subsequent exploration activity and later application requests potentially to include a mine site should there be successful findings from this preliminary work.

Regards:

Doug Grossley
Doug Grossley
Special Advisor
CG&T - Cambridge Bay

 Nunavut

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 project proposals, NIRB would like to hear your concerns, comments and suggestions about the following project application:

Project Title: Campsite/Fuel Cache for Mineral Exploration on Boothia Peninsula

Proponent: Cominco Ltd.

Location: Boothia Peninsula in the Kitikmeot

NIRB#: 00CN021

Comments Due By: Wednesday May 24, 2000

Indicate your concerns about the project proposal below:

<input 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 checked="" 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:

Follow-up required to ensure the identified intent
on proponent's application takes place

Do you have any suggestions or recommendations for this application?

Mr.

Do you support the project proposal? YES NO

Any additional comments?

See Accompanying Letter identifying
Issues.

Name of person commenting: Doug Crasby	of: Cambridge Bay
Position: Special Advisor	Organisation: CG+T
Signature: <i>Doug Crasby</i>	Date: May 15/01

To: Chadys Joudrey	From: Kirk McLean
Co. Depl. E.A.O.	Co. TC9 - NWP
Phone #	Phone #
Fax # 867-983-2574	Fax # 519-383-1989

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 project proposals, NIRB would like to hear your concerns, comments and suggestions about the following project application:

Project Title: Campsite/Fuel Cache for Mineral Exploration on Boothia Peninsula

Proponent: Cominco Ltd.

Location: Boothia Peninsula in the Kitikmeot

NIRB#: 00CN021

Comments Due By: Wednesday May 24, 2000

Indicate your concerns about the project proposal below:

<input 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	_____

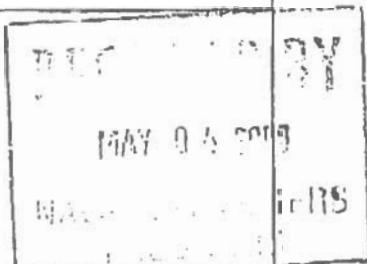
Please describe the concerns indicated above:

*Project description: Mineral exploration
Concerns: Impact on land, Inuit harvesting, tourism, local development, human health issues
Other: None*

Do you have any suggestions or recommendations for this application?

Do you support the project proposal? YES NO

Any additional comments?



Name of person commenting: _____ **of:** _____
Position: _____ **Organisation:** _____
Signature: _____ **Date:** _____

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 project proposals, NIRB would like to hear your concerns, comments and suggestions about the following project application:

Project Title: Campsite/Fuel Cache for Mineral Exploration on Boothia Peninsula

Proponent: Cominco Ltd.

Location: Boothia Peninsula in the Kitikmeot

NIRB#: 00CN021

Comments Due By: Wednesday May 24, 2000

Indicate your concerns about the project proposal below:

<input type="checkbox"/> no concerns	<input checked="" 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 checked="" type="checkbox"/> wildlife and their habitat	<input type="checkbox"/> tourism in the area
<input checked="" type="checkbox"/> marine mammals and their habitat	<input type="checkbox"/> human health issues
<input checked="" type="checkbox"/> birds and their habitat	<input type="checkbox"/> Other: _____
<input checked="" type="checkbox"/> fish and their habitat	
<input type="checkbox"/> heritage resources in area	

Please describe the concerns indicated above:

Taloyoak CLARC have concerns that any exploration will have impacts (negative) on wildlife & habitat, polar bear denning area, caribou migration & habitat (calving) & beluga whale feeding areas, fish habitat & migrating routes.

Do you have any suggestions or recommendations for this application?

Any concerns should be alleviated by the KIA Land Use license terms & conditions, plus NIRB screening.

Do you support the project proposal? YES NO

Any additional comments?

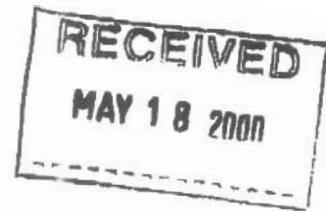
Even though the Taloyoak clarc opposed this application (clarc minutes enclosed), this project is acceptable due to very minimal impacts, i.e. noise + human presence.

Name of person commenting: Jack Kaniak **of** Kugluktuk

Position: Acting Land Manager **Organisation:** KIA

Signature: Jack Kaniak **Date:** May 23/03

Minutes of the
Taloyoak
Community Lands and Resources
Committee.
May 18, 2000



Members present:

Peter Peetooloot - Chairman
 Steve Alookeye - Vice chair
 Adam Totalik - member
 Peter Mannilaq - CLO - KIA - secretary

Absent:

David Aqqaq - member
 Kovalaq Totalik - member

Copy
Peter 561-5206

The meeting started at 2:00 p.m. and the secretary presented the Committee with the application from Cominco Mines Ltd. who had wanted to do some prospecting work in the top section of the Boothia Peninsula this summer.

The members basically discussed the major concerns that they had with regards to the present economic benefits that are involved in the area of interest by the applicant. And these included the wildlife habitat on the top portion of the Boothia Peninsula, which include polar bears and the denning areas as well as migratory route for caribou and calving grounds, beluga whales' feeding and birthing area, also includes fish and arctic char.

The other concerns included present and active outpost camps at Abernathy Bay and Pasley Bay which are almost adjacent to each other on the top section of the Boothia Peninsula.

The members felt that should mining go ahead in this area, the wildlife would immediately be affected by the activities from the mining companies.

All members agreed that this application should not be approved due to the potential impact that it would have on the wildlife.

Kovalaq Totalik (the absent member) mentioned to the secretary that he would not be able to attend the meeting due to work, however said that he would not approve the application due to his concerns on the wildlife in the area.

The meeting was adjourned at 3:00p.m.

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 project proposals, NIRB would like to hear your concerns, comments and suggestions about the following project application:

Project Title: Campsite/Fuel Cache for Mineral Exploration on Boothia Peninsula

Proponent: Cominco Ltd.

Location: Baffin/Kitkmeot Region, NIRB#: 00CN021

Comments Due By: May 24, 2000

Indicate your concerns about the project proposal below:

<input 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 checked="" 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:

fish and their habitat
 heritage resources in area

Please describe the concerns indicated above:

It should be noted that The Boothia Peninsula is an area of Nunavut where important Polar Bear denning habitat can be found. The proponent has not made mention of polar bears in their application. Given the significance of the area to polar bears the proponent should supply NIRB and DSD with a plan that deals with bear safety. This plan should include more information on reducing or eliminating sources of attractants such as kitchen wastes, sewage and grey water (Contact Brent Patterson, Regional Wildlife Biologist for details, 867-982-7244.)

The proponent is strongly urged to contact DSD wildlife officers regarding safety in polar bear country literature and training.

It should be communicated to the proponent and all ground personnel that it is more than possible that caribou and Muskox in the area at this time of year could be with calves. Disturbance of the animals at this time of year could cause calves to be abandoned and subsequent mortality. The proponent should follow all Caribou protection measures, DOT regulations for level flying and avoid harassing wildlife (**it is an offense under the wildlife act to harass wildlife.**)

The proponent should establish a log for wildlife and archaeological sightings and instruct personnel in its use. All information regarding wildlife sightings should be reported to Brent Patterson 982-7244. All information regarding archaeological sites should be sent to Brian Aglukark, Nunavut Planning Commission (867-979-1444) and Doug Stenton, Culture Language Elders and Youth (867-975-5500).

If the company allows exploration personnel to fish/hunt in the area they will require the appropriate licenses in compliance with the NWT Wildlife Act. Also, if the camp turns into a long-term operation this policy should be reevaluated. Prolonged hunting or fishing activities in any localized area can have negative impacts upon fish and wildlife populations and this type of activity should be discouraged.

The spill contingency plan provided by the proponent does not discuss the reporting of spills. The proponent should revise it's spill contingency plan to discuss spill reporting. Copies of these procedures are available for DSD (Donna Kenneally 867- 975-5909).

Upon completion of all seasonal activities all food, waste and plastic fuel containers must be removed from the site.

Problem Wildlife must be immediately reported to Joe Ashevak (867-561-5301) or Andy McMullen (867-982-7250).

The proponent should be advised that DSD have fuel caches in this area. The proponent in the case of an emergency should only use these fuel caches. If the proponent does find itself in a situation where it has to use fuel from a DSD fuel cache it must be immediately replaced and the usage reported to DSD.

It should also be communicated to Cominco that its practice of early consultation with the community is one that our department strongly promotes. Since this area is a new area of exploration it is important that early in the process appropriate and ongoing regional awareness of operations is established. Therefore, Cominco is strongly encouraged to follow through on its community consultation plan and that it continue to advise surrounding communities of work progress within the region.

Please see attached

Do you have any suggestions or recommendations for this application?

Do you support the project proposal? YES NO

Any additional comments?

Name of person commenting: Sustainable Development incorporates a team approach when commenting on NIRB screenings and Reviews. No one person comments for the Department.

Position: _____ **Organisation:** Sustainable Development _____
Signature: Chris Nichols _____ **Date:** May 23, 2000

Wildlife and Their Habitat

- The applicant should be made aware that there is some potential of encountering polar bears when undertaking this type of a trip.
- Potential human-bear encounters can result in injury or death to either the bear or the humans, all possible efforts to avoid human-bear encounters must be made.
- The applicant is encouraged to obtain and read, government publications such as 'Safety in Polar Bear Country'
- The applicant is strongly encouraged to meet with the Wildlife Officer in Taloyoak (Joe Ashevak 867-561-5301) in order to receive a briefing on proper procedures to avoid bear encounters, proper procedures should a bear be encountered, and proper procedures to follow should any kind of an incident related to such an encounter occur
- The proponent should be made aware that any polar bears killed during the trip (defense kill) would come off the quota of the nearest community. As such, the proponent will be expected to compensate the community. If they do not, future applications may not be supported by DSD on the grounds of there being unacceptable impacts from this venture.
- Also, if a defense kill does occur, the proponent must record the location of the carcass, sex of the bear and ensure the hide does not spoil. This means they may have to skin the bear if assistance is not readily available. Other specimens such as the jaw, Baculum (penis Bone), ear tags and lip tattoos must be submitted to the wildlife Officer. This information must be reported to the Wildlife Officer in Taloyaok as soon as possible.
- All defense kills are investigated by an Officer to determine the nature of the incident.
- The applicant should be made aware that it is contrary to the Wildlife Act to harass wildlife in any manner.

Community Involvement and Consultation

- The applicant is strongly encouraged to negotiate in advance the amount to be compensated, in the event that a defense kill of a polar bear occurs
- The applicant should be made aware that any defense kills of polar bears might jeopardize support of applications in the future.

Other

- Bear deterrents (cracker shells, thunder flashes and rubber bullets) should be on site.

- The proponent should consider the use of electric fencing within the camp design, especially around sleeping quarters.

DEPARTMENT OF SUSTAINABLE DEVELOPMENT

ENVIRONMENTAL PROTECTION SERVICE

STANDARD RECOMMENDATIONS FOR LAND USE APPLICATIONS (AS APPLICABLE)

Spill Contingency Plan

The applicant should have a contingency plan for responding to chemical and petroleum spills which might occur during the proposed activity. The plan should include a list of available spill response equipment and the names of trained personnel who will be on-site and available in the case of a spill.

The proponent is referred to DSD's *Spill Contingency Planning and Reporting Regulations* and *A Guide to the Spill Contingency Planning and Reporting Regulations*.

Fuel Storage

To prevent spreading in the event of a spill, fuel stored in drums should be located, whenever practical, in a natural depression a minimum distance of 90 feet from all streams, preferably in an area of low permeability. All fuel storage containers should be situated in a manner that allows easy access and removal of containers in the event of leaks or spills. Large fuel caches in excess of 20 drums, should be inspected daily.

Chemical Storage

All chemicals should be stored in a safe and chemically-compatible manner a minimum of 90 feet from all bodies of water. The applicant should be required to remove unused chemicals for reuse or disposal to an approved site using methods approved by the Land Use Inspector. Material safety data sheets (MSDS) should be provided for each chemical and be posted in a central location; accessible by all camp personnel. Camp personnel should be conversant in the handling of these chemicals as well as able to deal with any accidents or spills.

Location of Hazardous Materials

Hazardous materials stored on-site should be marked so they will be visible under all conditions, in all seasons. This recommendation is intended to help prevent possible injuries to camp personnel and/or damage to the containers. Unless otherwise specified by the land use inspector or licence -issuing agency, all hazardous materials should be removed from the site upon completion of the activity. The proponent is referred to DSD's *Environmental Guideline for the General Management of Hazardous Waste*.

Waste Oil/Waste Fuel Disposal

Waste oil and waste fuel should be removed and returned for recycling when the land use activity is completed. Alternative methods of disposal that provide an equivalent level of environmental protection will be considered on a case by case basis.

Used Drums

Used fuel and oil drums should be removed from the site, returned for deposit, or reused.

Contaminated Soils

Soil contaminated by fuel (e.g., soils under an old storage tank) should be treated on site or removed to an approved disposal site and replaced with new soil. The proponent is referred to DSD's *Environmental Guideline for Site Remediation*.

Winter Roads

Existing winter road routes and trails should be used whenever possible, to avoid unnecessary land clearing.

Drill Sumps

The sumps should only be used for inert drilling fluids, not any other materials or substances. The sumps should be properly closed out.

Garbage Disposal

Garbage should be removed from the camp periodically; alternatively, all combustible wastes can be incinerated on site and non-combustibles collected and removed upon termination of the activity or periodically.

Incineration

For camps of less than 10 people, it is recommended that a draught barrel be employed to burn wastes. A draught barrel is essentially a 45 gallon drum or equivalent, with a hole in the bottom to facilitate air intake, and is closed at the top with a lid and a chimney for the exhaust. EPS does not consider burning wastes in a draught barrel to be true incineration, however, for small camps, this is an acceptable means to deal with camp wastes. The draught barrel should be operated so that a high temperature burn is maintained at all times. This will promote complete combustion and eliminate pollutant and odor concerns.

For camps of more than 10 people, it is recommended that a forced air incinerator be used to manage wastes. Once again maintaining a high temperature burn to reduce wastes is imperative.

Kitchen wastes, cardboard, paper products, packaging and untreated wood wastes are suitable for burning in a draught barrel and a forced air incinerator. Industrial wastes and non combustible wastes should be removed from the camp and disposed of at a designated landfill or other approved facility. Under no circumstance should hazardous wastes be managed through burning or incineration.

For camps of greater than 50 people, it is recommended that a municipal waste incinerator, which produces emissions that meet CCME air quality guidelines, be used to dispose of camp wastes. The manufacturer will specify operating conditions and types of wastes that can be disposed of in the incinerator in order to meet the specified CCME standards. It is recommended that municipal waste incinerators be operated to meet manufacturer specifications.

The aforementioned comments are a brief thumbnail sketch of what DSD suggests that a proponent should be implementing to mitigate any damage or alterations to the environment during the course of their proposed activities. The proponent is referred to the Government of Nunavut's acts, regulations and environmental guidelines for a details.

Acts, Regulations and Environmental Guidelines

The Environmental Protection Service, Department of Sustainable Development derives its regulatory authority and operational mandate from the Government of Nunavut's *Environmental Protection Act (EPA)*. A number of regulations and guidelines have been developed and adopted under the EPA; some, or all of which might prove to be of assistance to a proponent in planning their activities. The guidelines are listed here for the information of the proponent and are available to the public at any DSD office in Nunavut or from DSD's Headquarters office located at:

Department of Sustainable Development
Environmental Protection Service
Government of Nunavut
Box 1340
Iqaluit, NU
X0A 0H0
(867) 979-5119
e-mail: reno@gov.nu.ca or ebaddaloo@gov.nu.ca

Acts and Regulations

Environmental Protection Act

Environmental Protection Act: Simplified Summary

Environmental Rights Act

Spill Planning and Reporting Regulations

A Guide to Spill Contingency Planning & Reporting

Asphalt Paving Industry Emission Regulations

Pesticide Act

Pesticide Regulations

Used Oil and Waste Fuel Management Regulations (undergoing completion; proposed for June 2000)

Environmental Guidelines

Dust Suppression

General Management of Hazardous Waste

Industrial Projects on Commissioner's Lands

Industrial Waste Discharges

Ozone Depleting Substances

Site Remediation

Sulphur Dioxide & Suspended Particulates

Waste Antifreeze

Waste Asbestos

Waste Batteries

Waste Paint

Waste Solvents

Wildlife

1. Bear-People Conflicts

The operation is in an area where bears may be encountered. Proper food handling and garbage disposal procedures should be followed to reduce the likelihood that bears will be attracted to the operation. Careful planning and attention to details of camp design and maintenance will decrease the attraction of bears to camp.

The applicant should follow procedures outlined in the "Safety in Bear Country Manual", and should contact the Regional/Area Biologist or the Renewable Resource Officer indicated below for information and advice on measures which should be taken to minimize the possibility of bear-people conflicts.

DSD Contacts

Manager, Wildlife, Fisheries

- Alex Buchan, (867) 982-7241
Renewable Resource Officer,
- Joe Ashevak, (867) 561-6231
Biologist, Kitikmeot Region
- Brent Patterson, (867) 982-7244

2. Caribou Protection Measures

See attached. [Recommendation of these conditions is not restricted to the Kaminuriak and Beverly herds (i.e., they may be applied to other herds as well).]

3. Peary Caribou (for Banks Island and High Arctic islands; not for Victoria Island)

Peary Caribou are a critically endangered subspecies which must not be harassed in any way. The applicant should be instructed not to harass these caribou, and to contact the Regional Biologist or Caribou Biologist in Kugluktuk (867) 982-7244 to obtain information on procedures required to prevent unintentional harassment.

4. Raptor Nesting Areas

The project area includes known raptor nesting sites and other areas where it is likely that raptors nest. To minimize negative impacts of this operation on raptors, the applicant should be advised to:

- (a) take care not to disturb nesting raptors from 15 April to 1 September by staying at least 1.5 km away from them when in transit by aircraft, and to avoid approaching them closely while on foot, and
- (b) contact the Regional Biologist in Kugluktuk (982-7244) to identify areas that should be avoided.

The following clause could be included in the covering letter: "If raptors are disturbed during the nesting period, they often abandon the eggs or young. Loud, repeated noises and close approach by humans on foot are particularly harmful."

5. Low Level Flights

Aircraft activity with no specific requirements for low level flying should be restricted to a minimum altitude of 300m above ground level.

6. Storage of Chemicals Containing Salts

Chemicals containing salts, which may attract wildlife to the site, should be stored so that they are inaccessible to wildlife.