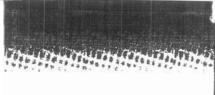
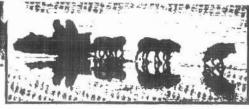
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March 20, 2001

To: Rita Becker

Licensing Administrator Nunavut Water Board Gjoa Haven, NU

Re: Renewal of Water Licence

Drilling & Geophysical Surveying at Ferguson Lake (Starfield Resources Inc.)
NIRB: 01WR010 NWB: NWB2FER9901

Enclosed is the completed NIRB Screening Decision Report on a water licence renewal for Starfield Resources to conduct mineral exploration activities near Ferguson Lake in the Kivalliq.

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 Decision Report.

Yours truly,

Gladys Joudrey

Environmental Assessment Officer

Nunavut Water Board

23 2001

Public Registry

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Date: March 20,2001

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 01WR010 NWB NWB2FER9901 Drilling and Geophysical Surveying at Ferguson Lake (Starfield Resources Inc.).

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;
- 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 Land Claims Agreement. Our considerations in making this decision included:

- the impact of drilling activities on the ecosystem;
- disposal of drill cuttings and waste water;
- impact to water quality, aquatic habitat and wildlife and fish populations from chemicals, drill waste, drill fluids and potential fuel spills;
- storage and disposal of chemicals, fuel, garbage, sewage, and gray water, and impact of these
 on the ecosystem;
- the impact of noise from drilling activities and their disturbance to wildlife and traditional users of area;
- the impact of campsite and equipment on terrain;
- the impact of exploration activities on archaeological sites or cultural landmarks in the area;
 and
- clean up/restoration of the camp site and drilling locations upon abandonment.

Terms and Conditions:

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

Drill Sites

- The Licensee shall not conduct any land based drilling within thirty (30) metres of the normal high water mark of a water body.
- The Licensee shall not use drilling muds or additives in connection with drill holes unless
 they are recirculated or contained such that they do not enter the water, or are certified to be
 non-toxic.
- 3. The Licensee shall ensure that any drill cuttings and waste water that cannot be recirculated be disposed of in a properly constructed sump or an appropriate natural depression that does not drain into a waterbody. The Licensee shall ensure that drilling wastes do not enter any water body. The use of biodegradable, salt free drill additives is encouraged over non-biodegradable types.
- 4. The Licensee shall ensure that the release of total suspended solids in the receiving environment shall be in compliance with Guidelines for Total Suspended Solids contained in the Canadian Council of Ministers for the Environment's (C'CME) Canadian Water Quality Guidelines, Chapter 3 Freshwater Aquatic Life (i.e. 10mg/L for lakes with background level under 100mg/L, or 10% for those above 100mg/L).
- The Licensee shall ensure that the sump/depression capacity is sufficient to accommodate
 the volume of waste water and any fines that are produced so that there will be no
 additional impacts.
- The Licensee shall not locate any sump within thirty (30) metres of the normal high water mark of any water body.

- The Licensee shall ensure that disturbance of vegetation from deposit of drill fluids/cuttings
 is restricted to the area of the sump and the ground prepared for revegetation upon
 abandonment.
- 8. The Licensee shall, where flowing water from bore holes is encountered, plug, the bore hole in such a manner as to permanently prevent any further outflow of water. The occurrence shall be reported to the Nunavut Water Board and Land Use Inspector within 48 hours.
- 9. The Licensee when using explosives, shall follow the *Guidelines for the Use of Explosives In or Near Water* (DFO, 1998). If for any reason these guidelines cannot be followed, please contact DFO, as and authorization may be required.

Water

The Licensee shall ensure that all water intake hoses are equipped with a screen with an
appropriate mesh size to ensure that there is no entrapment of fish. Refer to the Freshwater
Intake End-of Pipe Fish Screen Guideline (DFO 1995).

Fuel and Chemical Storage

- 11. The Licensee shall ensure that fuel storage containers are not located within thirty-one (31) metres of the ordinary high water mark of any body of water.
- 12. The Licensee 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.
- 13. The Licensee shall take all reasonable precautions to prevent the possibility of migration of spilled petroleum fuel or chemicals over the ground surface.
- 14. The Licensee shall have one extra fuel storage container on site equal to, or greater than, the size of the largest fuel container.
- The Licensee shall examine all fuel and chemical storage containers daily for leaks. All leaks should be prepared immediately.
- 16. The Licensee shall seal all container outlets except the outlet currently in use.
- 17. The Licensee shall mark all fuel containers with the Licensee's name.
- 18. The Licensee shall dispose of all combustible waste petroleum products by incineration and removal from the site.
- 19. The Licensee shall control all activities, including maintenance procedures and vehicular refueling, to prevent the entry of petroleum products, debris, slash, rubble or other deleterious substances into the water.
- The Licensee shall have emergency response and spill contingency plans in place prior to the commencement of the operation.
- 21. The Licensee shall immediately report all spills of petroleum and hazardous chemicals to the twenty four (24) hour spill report line at (867) 920-8130.

Waste Disposal

- 22. The Licensee shall not discharge or deposit any refuse substances or other waste materials in any body of water, or on the banks thereof, which will impair the quality of the waters of the natural environment.
- 23. The Licensee 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.
- The Licensee shall construct a sump to contain all greywater discharged and shall ensure drainage is away from any waterbody.
- 25. The Licensee shall backfill and recontour all sumps to match the natural environment prior to the expiry date of the permit.
- 26. The Licensee shall incinerate all combustible and food wastes daily.
- The Licensee shall keep all garbage and debris in a covered metal container until disposed
 of.
- 28. The Licensee shall ensure that all wastes generated through the course of the operation are backhauled and disposed of in an approved dumpsite.
- The Licensee shall not bury any wastes.
- 30. The Licensee shall deposit all scrap metal, discarded machinery and parts, barrels and kegs, at an approved disposal site. Approval will be required from the Municipalities.

Wildlife

- The Licensee shall ensure that there is no damage to wildlife habitat in conducting this
 operation.
- 32. The Licensee shall not feed wildlife.
- 33. The Licensee shall make every effort to prevent the unintentional harassment of caribou, muskox and nesting or molting waterfowl at all times. It is an offense under the Wildlife Act to harass wildlife.
- 34. The Licensee shall not conduct any activity associated with the land use operation during critical periods of wildlife cycles (e.g. caribou migration, calving or raptor nesting).
- The Licensee shall abide by the Caribou Protection Measures for the Kaminuriak and Beverly Herds.
- The Licensee shall immediately report problem wildlife to the Department of Sustainable Development (DSD) wildlife officers.
- 37. The Licensee 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.
- 38. The harmful alteration, disruption or destruction of fish habitat is prohibited under Section 35 of the Fisheries Act. No construction or disturbance of any stream/lake bed or banks of any definable watercourse is permitted unless authorized by DFO.
- The Licensee shall not obstruct the movement of fish while conducting the land use operation.

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- 40. The Licensee shall ensure that the drill sites avoid known environmentally sensitive areas (calving, denning, nesting etc.) by a minimum of 250 metres.
- 41. The Licensee shall not allow any employee to hunt or fish, unless the appropriate permits and licenses are acquired from a Renewable Resources Officer.

Environmental

- 42. The Licensee shall ensure that the land use area is kept clean and tidy at all times.
- 43. The Licensee shall prepare the site in such a manner as to prevent rutting of the ground surface.
- 44. The Licensee shall be required to undertake any corrective measures in the event of any damage to the land or water as a result of the Licensee's operation.
- 45. The Licensee shall not use any equipment except of the type, size and number that is listed in the accepted application.
- 46. The Licensee shall not move any equipment or vehicles unless the ground surface is in a state capable of fully supporting the equipment or vehicles without rutting or gouging.
- 47. The Licensee shall suspend overland travel of equipment or vehicles if rutting occurs.

Camp

- 48. The Licensee shall not erect camps or store material on the surface ice of lakes or streams.
- 49. The Licensee shall locate all camps and storage facilities on gravel, sand or other durable land.

Archaeological

 The Licensee 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).

Reclamation

- 51. The Licensee shall remove all scrap metal, discarded machinery and parts, barrels and kegs, buildings and building material upon abandonment.
- The Licensee shall complete all clean-up and restoration of the lands used prior to the expiry date of the permit.
- 53. The Licensee shall plug or cap all bore holes and cut off any drill casings that remain above ground to ground level upon abandonment of the operation.

Attachments

54. The Licensee shall refer to the attached comments and recommendations and the Fisheries and Oceans letter of advice addressed to the Licensee.

Mar-23-01 12:32P

2001-Mar-23 10:53am From-NUNAVUTIMPACT REVIEW BOARD

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Other Recommendations

- NIRD would like to encourage the proponent to hire local people and services, to the extent
 possible.
- NIRB strongly advises the proponent to consult with the local residents of Rankin Inlet and Whale Cove regarding their activities in the region and that the information be presented to the community in the community's preferred language.
- 3. The proponent should establish a log for wildlife and archaeological sightings and instruct personnel in its use. All information regarding wildlife should be reported to Brent Patterson 8670982-7244. 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). As well as all information being passed on to the closest communities.
- 4. The proponent is advised that there are DSD fuel caches in this area. The proponent may only use these fuel caches in the case of an emergency. If fuel is used from a DSD fuel cache it must be immediately be replaced and usage reported to DSD.
- Any amendment requests deemed by NIRB to be outside the original scope of the project will be considered a new project.
- The Environmental Protection Branch (DOE), Department of Fisheries and Oceans (DFO), Nunavut Impact Review Board (NIRB), and the Nunavut Water Board (NWB) should be advised of any material changes to plans or operating conditions associated with the 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.

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alea Hanna

at Whale Cove, NU

Elizabeth Copland, A/Chairperson

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Other Recommendations

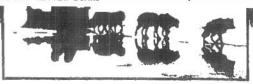
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Dated		at Whale Cove, NU
		-
	Elizabeth Copland, A/Cha	irperson



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NUNAVUT IMPACT REVIEW BOARD SCREENING FORM

1. General File Information on Screening
NIRB # OVER OF Authorizing Agency #(s): Mar SEF REPLO permi or licence =
Project Title: Ochlyc cond (etchyc) Syrvey yes Title of Project Company/Applicant Company/Applicant
Proponent's Address Suite 42 (65) Hours Steet
Contractor: Midwest Diamond Dvilling & Thompson Manitobas Company persons doing the work if different from the proponent Nunasi Helicoptess & Yellowknife, NWT address and contact numbers
Proposed Dates of Activity: Start Date (yyyy-mm-dd) EA Starting Date: Pate application accepted (yyyy-mm-dd)
Date Application Referred for Comments: \(\frac{1}{2}\)
Deadline for Comments: 1754(No. 16, 200)
NIRB's EA Indication: 12.4.4 (2)
Date of Indication: March 22, 200 /
Project Cancelled: Yes, Give Reason
Comments:

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2. Authorizing Agencies
Authorizing Agency(ies): Kivalliq I.A., Kitikmeot I.A., QLA, NWB, NWMB, DIAND, DFO. DOE, NRI, RWED. Other
Authorizing Agency Contact Person. Rife Secret Formatter Person, number)
Land Status Inuit Owned Crown Commissioner's Marine Areas
Type of Application: Verte // Cercs
Type of Approval being sought (e.g. new, renewal, amendment, cancellation)
Other required approvals, permits or licences: (e.g. water licence, land use permit qu urry permit, lease, reserve)
Present Authorizations (active): DIAND Land Use Permit KN.IA Landiuse Permit
Previous Authorizations (inactive/expired): (file number)
3. Project Location
Kivalliq Kitikmeot Baffin
Land Use Planning Region: (e.g. West Kitikmeot, North Bartin, Fivallin)
Geographic Place Name: Fecci En La Le (neures) place name or geographic feature)
Local/Traditional Name:
National Topographic Sheet (NTS) Number: 657/1510 Scale
Latitude/Longitude: 63 51 96 45 63 00' 97 00' (degreds, minutes seconds)
Drainage Region and Watershed: Test October (nearest obek river or lake system)
Nearest Settlement: Scarlin Inlet & whole Conse

(Yes/Nu -e.g. Heritage River, Wildlife Reseserve, Pirk)

If yes, what additional procedures/contacts are needed?

Special Designation:

Adjacent Settlement/Out-post camps:

Does the project have Nunavut transboundary implications? Yes _____ No ______ No

4. Project Description						
Physical Work, Activity(ie	es): (dalling cont	me Cour	Supply we will be	- 177		-
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6. Description of the Environment
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7. NIRB's Consultation		The state of the s			
Date application referred for	Date application referred for comments: Telegraphy				
Deadline for comments:	May Chy 6,	300/			
	Comments extended	until March 14, 2001			
Distribution List NUNAVUT: QIA QIA Kitikmeot I.A Kitikmeot I.A NWMB NWMB LImit Heritage Trust Community(s)	Contact Person:	Date comments received			
Hamlet Rankin/Whale HTO Rankin/Whale Other?		Murch & Go1			
FEDERAL: DIAND DFO DFO Heritage Can. Natural Resources Other? (eg. Health DOT, DND) CCA	Breg Cook Jordan debroot Rick McLean	February 21, 2001			
	1* 55.4° 255/ TSU \$350. SERVESOVERSON	restrang arraws			
GOVERNMENT OF NUN Sustainable DevGHTHSSCEEYOther?		March 08,2001 - Eebruary 21,2001			
TRANSBOUNDARY PARTIES					
OTHER PARTIES					

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Project Activities	Project Effects
v check all the items appropriate to this project)	(Veheck all the terms apprepriate to this project)
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construction	5impact on recreational use
building	6impact on family structure
shed, warehouse	
landing smp	7impact to community health
_ cut and fill	8 change in community economics
removal of vegeration	change in community housing or
removal of vegeration dams and impoundments	infrastructure
construction	10 impact to industry
abandonment/removal	11change in regional ransportation
modification	12. Limpact to archaeological or cultural landmarks
dirch construction	13. Impact on beauty of the landscape
drainage alteration	14other, explain
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explosive storage	15deposit into surface or ground water
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geoscientific sampling	21 change in air flow
_ trenching	22micro-climate change
diamond drill	23ice fog
_ borehole core sampling	24. Change in imbient noise level
_ bulk soil sampling	25deposit onto ground surface
_ quarry	
hydrological testing	26 change in slope sr: bility
nver_stream/lake crossing/bridging	27change in soil structure
site restoration	28alteration of permatrost regime
ternization	29. L'destabilization/erc sion
grubbing	30 isoil compaction
_ planing/seeding	 change in access to renewable resources
scanneanon	 depletion of non-renewable resource
spraying	33 removal of rare/endangered plant species
recontouring	34introduction of species
_ soil testing	35 toxin. heavy metal accumulation
topsoil, overburden or soil	36removal of rare/endangered wildlife species
_ <u>611</u>	37 change in wildlife health
disposal	38. Impact to large mammals
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1/2 - 1 1- in residence malfunctions Describe	42impact to other wildlife
Dossibility for accidents of malfunctions. Describe.	43. Lunpact in a calving, nesting, staging or
pot the spils	spawning area
	44 removal of wildlife buffer zone
effects of environment on project (e.g., flooding).	45 change in wildlife habitat/ecosystem
Describe.	46other, explain
- Contract	THE RESIDENCE OF THE PROPERTY OF THE PERSON

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

#12 Deentral to default unknown authorized stress not be area. How dilling activities equipment industriant to the area from dilling activities, notice and mornerit etc. #13 129 #20 #20 #20 #20 #20 #20 #20 #	Environmental Effect	Describe
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#24 #38 #41 Robert Tal for note from expression 443. activities to astub wildlife (particularly and with calves there may locate to see where to avoid activity which also effects hunting	+15/2/3	of confiner to make the confiner
#24 #38 #41 Robert Tal for note from expression 443. activities to astub wildlife (particularly and with calves there may locate to see where to avoid activity which also effects hunting		Language de State Date a leverino de se
#24 #38 #41 Potential for noise from exporation 443. activities to astub wildlife (particularly continuou with calves their may locate to else where to avoid artivity which also effects hunting		Vania 100 A Janopaton Parti 1 avan
		TEMPORE OF VEGETALIST LO DOT IN THEOL
	#24/#20 #- W	Opportunit for more from and matter
		activities to assign will alto I material
	11/3	My may will colled their was located
		de l'hors to allord activité l'allers
		also streets Munting
#40 Accidental spills, drill mids mild potentially deather making.		
Originally dear from Marian	#115	Accident a coils dell mude could
	-40	MADE ALEXANDER
		theratally extent the teamen
		4

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	Effects from Other Resource Uses
Vicheck all the items appropriate to this project)	We check all the items appropriate to the scope of this
	project
Marcesting	1
marine mammals	Directly-related Socio-Economic & Cultural
Mund mammals	Effects:
Tur bearers	1 impact to hunting / trapping / fishing
Voirds	2unpact on:women
shelltish	men
plants	children
betties	elders
Vish	impact to traditional use or traditional use area
muning exploration open pirs	impact to dutilitiers impact to outfitters
Timing	5impact on recreation d use
vexplotation	
	6impact on family str. cture
underground	7impact to community health
off-shore	change in community economics
mineral processing	9 change in communit housing or infrastructure
industry (type)	10 impact to industry
— damues	11 change in regional transportation
— crts.mg stone	12ippact to archaeological or cultural landmarks
— ладие бать — при на	13impact on beauty of the landscape
transportation/communications	14other, explain
urport / landing strip	
roads/access routes	Biophysical Environment Effects
shipping	 deposit into surface or ground water
channels/canal *	 deposit to marine environment
telephone lines, satellite dishes, cables	 change in surface or ground water flow
beacons	 change in water temperature
waste disposal (solid, liquid or gas?)	 change in drainage pattern
energy project	20change in air quality
hydro	21 change in air flow
pipeluie	22micro-climate change
transmission line	23ice tog
other water licenses, permits, leases	24 change in ambient noise level
Mands	25deposir onto ground surface
Vinuit owned	26change in slope stability
-surface rights	27 change in soil structure
-sub-surface rights	28 :llreration of permat ost regime
Llown	29destabilization/eros on
Commissioner's	30soil compaction
Marine Areas	31 change in access to renewable resources
other private lands held under tenure	32depletion of non-renewable resource
heritage sites or archaeological sites	 removal of rare/encangered plant species
recreation (eg. cabins, tent frames)	34introduction of species
tourism	35roxin/heavy metal accumulation
municipal (construction)	36 removal of care/enclangered wildlife species
commercial	37change in wildlife health
built structures	38. Impact to large manunals
infrastructure	39impact to small maramals
agriculture	40. Linpact to fish
torestr;	41. Junpact to birds
other, explain	42impact to other wildlife
	43. Impact in a calving, nesting, staging or spawning
	area
	44 removal of wildlife buffer zone
	45change in wildlife habitat/ecosystem
	46 other
	The state of the s

11

10. Cumulative Environ Based on a comparison of effe	
Matching Number's	Description of Cumulative Environmental Effects
	other mineral exploration in the area
	and past exploration activities in the area
	may have effect on wildlife, and
	beauty of the landscape
	Dealey of The Harastages
NO Will the project encourage developments (other similar pextraction, the building of add	ge a "boom-bust" economy over an economy of permanence?
Will the project encourage rishers?	ge more wildlife harvesting on account of be ter access for hunters and
Will the project have an	effect on the water quality of the watershed?
NO Will the project have a si	gnificant effect on existing land uses?
11. Mitigation Measures For each environmental effect measures.	s ridentified in #8, #9 and #10, describe the required mitigation
Number(s) (as identified in #8, #9 & #10)	Description of Mitigation Measures
	See Screening Tecision Report

Significance

12.

After	raking into acco inmental effects	unt the mitigation measures identified in #11, are any of the residual, adverse significant?
		1/0
	Yes It was identify	which one's, and proceed to =13; if no proceed to = 14.
		and the state of t
	Number's.	Property and the second
13.	Likelihood o	f Occurrence
Ot the		idual, adverse environmental effects identified in #12, are any likely to occur?
	Number(s)	
		•
EDUCA-CINE SPECIAL		
14.	Information	
	tocal kn	of information were used in the screening process?
		nal ecological knowledge
	tand use	plans (and draft land use plans)
		ring agencies' dara
		nental or agency opinions
	maps	

reports (scientific, economic, social, or anthropological, archival or historical

For information sources identified above, provide contact person and/or information

(October 1998 version) Nunavut Impact Review Board Screening Form

information)

experts other

location (for future follow-up):

personal communications
Project Registry (NPC)
previous similar projects
service organizations
media monitoring

Nunavut Environmental Database (NED)

15.	Staff Recommendations
Stati	Recommendations: finclude cinonale
	The project should have little or no
	Significant enuronmental effects
	if the Terms of Conditions are
	adhered to
Prep:	ared By: Jarda Edwards Date: March 15,2001
	Screener (9799-inn-dd)
16.	NIRB'S Principles
_	
	The project has significant adverse effects on the ecosystem, wildlife habitat or Inuit harvesting activities.
_	
_	harvesting activities.
_	The project may have significant adverse socio-economic effects on northerners.
- - - -	The project may have significant adverse socio-economic effects on northerners. The project will cause significant public concern.
- - - _	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 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.

17. Indication to the Minister (12.4.4) N.B. Transfer this information to Box 1: "EA Indication" and "De te 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 ider tify 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.

T-428 P.007/007 F-807

1ar-23-01 09:47A 2001-Mar-22 02:00pm From-NUMAVUTIMPACI REVIEW BOARD **+8679832594**

Decision Report.	12.4.4 'a. NIRB's terms and conditions include those listed in the Sergening inditions to more include:
pecific Terms and Co.	
	3
	3
	*
	7
9. Authorization	
approved By. Elig	Will Date: March 23/01
0. Follow-up / N	lonitoring
dinister's Determination	on
Action ² Ministe	r agreed with NTRB's indication.
Action? Ministe	er varied NIRB's indication.
Acnon ²	er rejected NIRB's indication
If applicable, Is a follow-up,	monitoring program required? If yes, give details.
	report information been added to NIRB's GIS/Calyse system?



Fisheries and Oceans Péches et Océans

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

OIWROIO

Que file Notte téferetere

March 14th, 2001

Robert Krause Starfield Resources Inc. Vancouver B.C. Phone: 604-608-0400 Fax: 604-608-0344

RE: NIRB File # 01WR010, Water Licence Application, Mineral Exploration, Starfield Resources, Ferguson Lake.

Dear Mr. Krause:

This letter is to advise that The Department of Fisheries and Oceans, Fish Habitat Management (DFO-FIIM) received your Water Use Application for mineral exploration, in the Ferguson Lake area, submitted on your behalf by Nunavut Impact Review Board. 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:

- 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 DFOFHM 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.



- Winter lake/stream crossings should be located to minimize approach grades. Cutting or filling of crossing approaches adjacent to the normal high water mark will require prior review and approval by DFO-FHM.
- The use of material other than ice or snow to construct a temperary crossing over any ice-covered watercourse is prohibited by regulations under Fisheries Act unless authorized by a Fishery Officer.
- All winter crossings should be removed prior to spring breakup.
- 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, : lash, 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-I lour 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 Firheries 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 by fax at (867) 979-8039.

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

c.c. Winston Fillatre -C&P Supervisor/Fishery Officer



Hall



Fisheries and Oceans

Canada

Coast Guard

Central & Arctic Region

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

February 14, 2001

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

Your file Votre référence 01WR010

Our file Notre référence

1675-9-9

Dear Madam:

Thank you for your submission with regard to NIRB # 01WR010

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,

Rick McLean

Inspections Supervisor

Navigable Waters Protection

RAM/kab

cc: FHM







February 15, 2001

Gladys Joudrey Environmental Assessment Screener Nunavut Impact Review Board Box 2379 Cambridge Bay, NU X0E 0C0

Re: NIRB 01WR101; Water License Renewal Permit, Exploratory Drilling and Geophysical Surveying at Ferguson Lake (Starfield Resources Inc.)

Due Date:

March 6, 2001

Dear Ms. Joudrey:

At your request, the Department of Culture and Heritage, Government of Nunavut, has reviewed the above-noted application. Our recommendations follow.

We recommend approval of the above-cited application, as the proponent s proposed activities do not constitute a threat to known archaeological resources.

The attached conditions specify plans and methods of site protection and restoration to be followed by the permittee if an archaeological site is encountered or disturbed in the course of the land use activity.

Sineerely,

Leah Otak, Director Culture and Heritage

Department of Culture, Language, Elders and Youth

Encl.

FEB 2.1.2001



Acidrenic

Department of Culture, Language, Elders & Youth

Pithohilikioni

Ministèr du governement Culture Langues, Aînés et Jeunesse

ARCHAEOLOGICAL RESOURCES: TERMS AND CONDITIONS

BACKGROUND

I. The archaeological record of the Inuit of Nunavut is a record of Inuit use and occupancy of lands and resources through time. The evidence associated with their use and occupancy represents a cultural, historical, and ethnographic heritage of Inuit society and, as such, Government recognizes that Inuit have a special relationship with such evidence, which shall be expressed in terms of special rights and responsibilities.

The archaeological record of Nunavut is of spiritual, cultural, religious and educational importance to Inuit. Accordingly, the identification, protection, and conservation of archaeological sites and specimens and the interpretation of the archaeological record is of primary importance to Inuit and their involvement is both desirable and necessary.

In recognition of the cultural, spiritual and religious importance of certain areas in Nunavut to Inuit, Inuit have special rights and interests in these areas as defined by Article 33 of the Nunavut Land Claim Agreement.

II. "Archaeological site" means a site or work within Nunavut of archaeological ethnographical or historical importance, interest or significance, or a place where an archaeological specimen is found, and includes explorer's caims.

"Archaeological specimen" means an object or specimen found in an archeological site of archaeological ethnographical or historical importance, interest or significance, or a place where an archaeological specimen is found, and includes explorer's documents.

- III. Any new Terms and Conditions raising issues found in ss. 10 and 16 of the Territorial Land Use Regulations should duplicate statutory sections, or be stricter, but not more lenient in terms of protection of archaeological resources.
- The permittee shall not operate any vehicle over a known or suspected archaeological site.
 - The permittee shall not remove, disturb or displace any archaeological specimen or site.
 - The permittee shall contact the Department of Culture, Language, Elders and Youth (867-975-5500) and DIAND officials should an archaeological site or specimen be encountered or disturbed by any land use activity.
 - 4. The permittee shall immediately cease any activity which disturbs an archaeological or historical site, encountered during the course of a land use operation, until permitted to proceed with the authorization of the Department of Culture, Language, Elders and Youth, Government of Nunavut, Iqaluit.
 - The permittee shall follow the direction of the Department of Culture, Language, Elders and Youth and DIAND in restoring disturbed archaeological sites to an acceptable condition.
 - The permittee shall provide information to the Department of Culture, Language, Elders and Youth about each archaeological site or specimen encountered by any land use activity, by completing the attached form.

- The permittee shall make best efforts to ensure that all persons working under authority of the
 permit are aware of these conditions concerning archaeological sites and specimens.
- 8. The permittee shall avoid the known archaeological sites as listed in Attachment #1
- 9. The permittee shall have an archaeologist perform the following functions, as required by the Department of Culture, Language, Elders and Youth: survey, inventory and documentation of the archaeological and historical resources of the land use area; assessment of potential for damage to archaeological sites; mitigation; marking boundaries of archaeological sites for avoidance; restoration. The Department of Culture, Language, Elders and Youth shall authorize by way of a Nunavut Archaeologist Permit all procedures subsumed under the above operations.

FEB-27-01 11:16 From:DIAND WATER . URCES

1-867-669-2716

T-775 P.29/39 F-270 T-765 P. 02/04 Job-067



Indian and Northern Affairs Canada

Affaires indiennes et du Nord Canada

Water Resources Division Regulatory Approvals Section P.O. Box 1500 Yellowknife, NT XIA 2R3

Telephone: (867) 669-2656 Facsimile: (867) 669-2716

Your file Volte raferance

Our File: NWB-0045

February 27, 2001

Nunavut Impact Review Board P.O. Box 2379 Cambridge Bay, NU X0E 1L0 Fax: (867) 983-2594

ATTENTION: Gladys Joudrey, Environmental Assessment Officer

RE: Water Licence/permit Renewal Application: NIRB # 01 WR010 Starfield Resources - mineral exploration-drilling & geophysical surveying at Ferguson Lake, Nunavut

The Water Resources Division, Yellowknife, has reviewed the above noted water permit renewal application and supporting documentation, and has provided some additional comments on your attached screening comment form, as well as in this letter. As this package in part was also received from the Nunavut Water Board, comments were solicited for both screening and technical considerations. We have no specific concerns relating to re-screening of this project.

Our opinion remains that this type and scale of project activity would not normally meet the threshold for licensing under the NWT Waters Act and Regulations, and conditions may not be enforceable. If a "water permit" is to be issued under the authority of the Nunavut land claim legislation, the following comments pertain to the licence if one is required. Otherwise, waterrelated concerns could probably be addressed through the relevant land use permit (N1999C0018) for this project.

It is recommended that clauses pertaining to on ice drilling be removed, as the company does not plan to conduct this activity under this renewel. Similarly, it was noted in the original permit that there is a reference in Part 5.2. i, to employing the Contingency Plan. There does not appear to be any other reference to such a plan, ie should there not be a clause requiring the submission or approval of a Contingency Plan or do they have one elsewhere, eg in a land use permit? In their questionnaire, item 18, they mention collecting drill cuttings in filters. What do they do with these dirty filters, ie should a clause be included regarding their disposal? Is this filtered water subject to periodic sampling for analysis of contaminants, given that there is no Surveillance Network Program? The licence requires only the collection of beseline water quality, under Part 2.8, which data is presumably that which must be reported under Part 7.3 (annual report).





01-Mar-23 11:45am From-NUNAVUT IMPACT REVIEW BOARD

FEB-27-01 11:16 From:DIAND WATER RESOURCES

1-867-669-2719

T-775 P.30/39 F-270
T-765 P.03/04 Job-067

-2-

If there are any questions or comments regarding the above, please contact me at (867) 669-2656.

Sincerely,

Greg Cook

Environmental Assessment Coordinator

Water Resources Division

cc. Nunavut District Brian Collins 46

FEB-27-01 11:16 From: DIAND WATER RESUURCES

T-775 P.31/39 F-270 T-765 P.04/04 Job-067

From-NUNAVUI IMPALI KEVIEW DUAKU 01-Feb-13 06:44pm



AD OF OCH CALL PULL COMMAND IMPACT REVIEW BOARD/NUMAYUTMI KANOGILIVALIANIKOT FLITTOHAIYEOPLOTIK KATIMAYITE

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:

Droiget Title: Evaluation Dalling and Goophysical Sumoving at Found

ACCOUNT OF THE PROPERTY AND ACCOUNTS AND ACC	. NIRES: OTVROTO /NUBEFER 190
omments Due By:Tuesday Marc	NIRB#: _O1WRO10_/NUB2FER990
di d	and an anal balance
idicate your concerns about the proj	
no concerns	☐ traditional uses of land
water quality	☐ Inuit harvesting activities
terrain	□ community involvement and consultation
air quality	□ local development in the area
wildlife and their habitat	I tourism in the area
marine mammals and their habitat	in human health lasues
birds and their habitat	☐ Other:
fish and their habital	
heritage resources in area	ad above
lease describe the concerns indicate	ed above:
- An Tele correred	S CALLERY SURVEY S
- adaptive	1 Diagrams
presumably in the LUI	Pas well. This project does
at must the CU halle	(Aug)
mes mes the three haces	for levensing (for DIAWD)
under the NWT Water	Ad PROM
	1114
o you have any suggestions or reco	mmendations for this application?
0 +	de la serie
- Jaw connection	are stocked, which may may
not be useful reaseding	in the literal renound
+ 00	V. I
uself, re terms, "ellive	ing the literie renewal
In you support the project proposal?	
Any additional comments?	
1 4	represed with a positive
resommend descensing	/ M
recommendation to ich	en the more; wo hearing
1 11 1 and day	en Persperture.
would be needed from on	we program.
Name of person commenting: GR	A Organisation: DIAND YK
Position: Environmental Ass. Com	A Organization: DIAND YK
Signature: They (Poll	Date: Feb 26 2001

CGRT MANKIN INLET

From-NUNAVUT IMPACT REVIEW BOARD

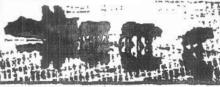
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T-065 P.03/17 F-945



MAR-07-01 WED 01:30 PM

01-Feb-13 09:15pm





TO DE LOCAL OF TO PULL CANDINA AND INDICATE REALEM BOARD/NAMAAATHI KANORITAATIAHIKOL ETILIOHAIA EOSTOLIK KALIWAAIIL

COMMENT FORM FOR NIRB SCREENINGS

The Nunavut Impact Review Board has a mandate to project 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: Exploratory Drilling and Geophysical Surveying at Ferguson Lake

Proponent: _Starfield Resources Inc.	
Location: Reguson Lake, Kivallig	, NIRB#; _01WR010
Comments Due By:Tuesday March	6 2001
Califfication todo by). " I decade heatest	and the parties of the same of
(and a decidate and a	
Indicate your concerns about the project	
□ no concems	☐ traditional uses of land
□ water quality	☐ Inuit harvesting activities
□ terrain	☐ community involvement and consultation
□ air quality	□ local development in the area
☐ wildlife and their habitat	□ lourism in the area
☐ marine mammals and their habitat	□ human health issues
□ birds and their habitat	C) Other:
☐ fish and their habitat	
☐ heritage resources in area	
Please describe the concerns indicated	above:
Do you have any suggestions or recon	mondations for this application?
Better mapping, I dentify a	the present and neighbouring
Berger mapper 13	1
Communities 0	
- Comments	
Do you support the project proposal?	YES NO
Any additional comments?	TES EL NO.
Any additional comments r	1 1 - 1 2 /
Bella Part in watered	of any Municipal Burnday.
rober moyeen is ourance	all and I would be the
	U
	1 24 2 1 1 1 1
Name of person commenting: Meln	t Clippa of flander latel
Position: Company lames	The state of the s
Signature: falut Chaple	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: Exploratory Drilling and Proponent: _Starfield Resources In Location: _Kivalliq Region, NI Comments Due By:March 6,	RB#:01WR010
Indicate your concerns about the p	roject proposal below:
☐ no concerns	☐ traditional uses of land
☐ water quality	☐ Inuit harvesting activities
□ terrain	□ community involvement and consultation
□ air quality	□ local development in the area
✓ wildlife and their habitat	□ tourism in the area
☐ marine mammals and their habitat	☐ human health issue3
☐ birds and their habitat	
Other:	many Principles
☐ fish and their habitat	
□heritage resources in area	
Please describe the concerns indic	
possible that caribou and muskoxen in Disturbance of the animals at this time subsequent mortality. The proponent	ponent and all ground personnel that it is more than in the area at this time of year could be with calves. The of year could cause calves to be abandoned and should follow all Caribou protection measures, woid harassing wildlife (it is an offense under the
personnel in its use. All information re Mitch Campbell. All information regar	for wildlife and archaeological sightings and instruct egarding wildlife sightings should be reported to rding archaeological sites should be sent to Brian sion (867-979-1444) and Doug Stenton, Culture 5-5500).
appropriate licenses in compliance wi a long-term operation this policy shou	sonnel to fish/hunt in the area they will require the the the NWT Wildlife Act. Also, if the camp turns into all the reevaluated. Prolonged hunting or fishing we negative impacts upon fish and wildlife

The spill contingency plan provided by the proponent in not adequate. The proponent is

referred to DSD's Guidelines for Spill Contingency Planning and Reporting. The proponent should be requested to submit an up to date spill contingency plan that is

populations and this type of activity should be discouraged.

satisfactory.

The Proponent has not supplied a completion date for its activities and has requested an open ended license. DSD does not support an open ended license. The proponent should provide a possible closure date. It is recommended that if the NWB does grant a water license that this license not be open ended.					
ne Proponent has indicated that it intends on disposing of oil, other refuse and barrels in ankin Inlet or Baker Lake. The proponent should be made aware that before it can do it will need the approval of these municipalities.					
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 DSD Wildlife officers.					
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.					
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					

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 onsite and available in the case of a spill.

*b0M

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 and 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

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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

{PRIVATE } Environmental Protection Act{tc \ \ 5 "Environmental Protection Act"}

Environmental Protection Act: Simplified Summary

Environmental Rights Act

{PRIVATE } Spill Planning and Reporting Regulations {to \ 1 5 'Spill Contingency Planning and Reporting Regulations"}

{PRIVATE } Asphalt Paving Industry Emission Regulations {tc \15 "Asphalt Paving Industry Emission Regulations"}

{PRIVATE } Pesticide Act{tc \ V 5 "Pesticide Act"}

{PRIVATE } Pesticide Regulations{tc \ \ \ 5 \ "Pesticide Regulations"}

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

{PRIVATE }Environmental Guidelines{tc \\ 5 "Environmental Guidelines"}

{PRIVATE } Dust Suppression{tc V 5 "Dust Suppression"}

{PRIVATE } General Management of Hazardous Waste{tc \(\text{tc } \text{V 5 "General Management of Hazardous Waste"} \)

{PRIVATE } Industrial Projects on Commissioner's Lands{tc \ \ 5 "Industrial Projects on Commissioner's Lands"}
{PRIVATE } {tc \ \ 5 ""}
{PRIVATE } Industrial Waste Discharges{tc \ \ 5 "Industrial Waste Discharges"}

{PRIVATE }Ozone Depleting Substances{tc \ \ 5 "Ozone Depleting Substances"}

{PRIVATE } Site Remediation{to \15 "Site Remediation"}

{PRIVATE }Sulphur Dioxide & Suspended Particulates{tc \ V 5 "Sulphur Dioxide & Suspended Particulates"}

{PRIVATE } Waste Antifreeze {tc V 5 "Waste Antifreeze"}

{PRIVATE } Waste Asbestos (tc V 5 "Waste Asbestos")

{PRIVATE } Waste Batteries {tc V 5 "Waste Batteries"}

{PRIVATE } Waste Paint{tc V 5 "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

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Renewable Resource Officer,
- nearest community to the land use activity
Biologist, Kivalliq Region, Arviat
- Mitch Campbell, (867) 857-2828

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 in harass these caribou, and to contact the Regional Biologist or Caribou Biologist in Pond Inlet (819) 979-8819 to obtain information on procedures required to prevent unintentional harassment.

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 Arviat (857-2828) to identify areas which 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."

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.