

SCREENING PART 1 FORM PROJECT PROPOSAL SUMMARY

For more information about the Nunavut Impact Review Board (NIRB) please visit our web site http://nirb.nunavut.ca/ or to access NIRB documents, project screenings, and project reviews please visit the Nunavut Impact Review Board ftp site http://ftp.nunavut.ca/nirb.

IMPORTANT

Please be advised that your application will not be processed until the following sections 1 - 6 are completed in full in English and Inuktitut (+ Inuinnaqtun, if in the Kitikmeot). Translated versions of this form in Inuktitut and Inuinnaqtun are available from NIRB's ftp site at http://ftp.nunavut.ca/nirb/

SECTION 1: APPLICANT INFORMATION					
1. a) Project Number Please indicate if applicant has submitted any previous application(s) to NIRB Yes No X related to this project proposal? If yes, please indicate the previous NIRB project number(s):					
1. b	Project Name Fuel Storage Facility Increase Cap	acity/Cod	e Compliance, Whale Cove, I	NU	
2.	Applicant's full name and mailing address: Brian Duguay, Project Officer Government of Nunavut, Community & Government Services, Projects Division, Kivalliq Region Rankin Inlet, Nunavut X0C 0G0	- Fax: - Phone: - Email: -	867-645-8196 867-645-8185 bduguay@gov.nu.ca		
3.	Primary contact's full name and mailing address: Brian Duguay, Project Officer	_ _ Fax:	867-645-8196		
•	Government of Nunavut, Community & Government	Phone:	867-645-8185		
	Services, Projects Division, Kivalliq Region Rankin Inlet, Nunavut	_ Email:	bduguay@gov.nu.ca		
,	XOC OGO	_			



	address:		(007) 000 4040			
	Kevin Hodgins, P. Eng PO Box 1777	Fax:	(867) 920-4319			
	4910 53 rd Street	Phone:	(867) 920-2882			
		Email:	kevinh@fsc.ca			
	Yellowknife, NT					
	X1A 2P4					
SE	CTION 2: AUTHORIZATION NEEDED					
I. II	ndicate <u>all</u> authorizations associated with the proje	ect proposal:				
_	Regional Inuit Association (RIA)					
	Nunavut Water Board (NWB)					
	Nunavut Planning Commission (NPC)					
	Department of Indian And Northern Development (DIA	ND)				
(Department of Fisheries and Oceans (DFO)					
(• '					
_	Nunavut Research Institute (NRI)					
_	Hamlet					
_	Canadian Launch Safety (CLS)					
	Environment Canada (EC)					
	Government of Nunavut (GN)					
_	Department of National Defense (DND)					
_	Department of Culture, Language, Elders, and Youths	(CLEY)				
_	Parks Canada (PC)	(OLL I)				
_	Other (please specify):					
┙゙	outer (product apeouty).					
2.	List the active permits, licences, or other rights r	elated to the	project and their expiry			
	date:	ciated to tile	project and their expiry			
	Hamlet Of Whale Cove Water License (NWR) – ar	mandmant ra	auestad	_		



SECTION 3: PROJECT PROPOSAL DESCRIPTION

1.	Indicate the type of project proposal:						
	Exploration (geophysical ground, geophysical air, drilling	a)					
	Advanced Exploration/ Bulk Sampling	<i>5,</i>					
	Mine Development						
	All Weather Roads and Trails						
	Winter Roads and Trails						
	DEW Line Clean up						
	Off-Shore Infrastructure						
	Pit and/or Quarry						
Y	Other: Fuel Storage Facility Upgrade						
^	Tuel Glorage Lability Opgrade						
2.	Indicate the activities related to the project p	roposal:					
	Drilling other than geoscientific	X	Quarrying				
	Offshore structure		All season road				
	Airport/ landing strip		Winter road				
	Camp		Access road				
X	Fuel storage		Road modification				
	Solid waste disposal		Cabins				
	Hazardous waste storage or disposal		Sewage or grey water	disposal			
	Research		Blasting	·			
	Abandonment and Restoration		Harvesting				
	Burning		Burying				
X	Construction		Channeling				
X	Cut and/or Fill		Removal of vegetation				
	Dam/ Impoundment (construction/ abandonment/ remmodification)	oval/	Ditch construction				
	Drainage Alteration	X	Excavation				
	Chemical Storage		Ecological survey				
	Explosives Storage		Geoscientific sampling	by trenching			
	Geoscientific sampling by diamond drilling		Geoscientific sampling	by borehole core			
	Geoscientific sampling by soil sampling		Hydrological testing				
	River/ stream/ lake crossing or work/ bridge		Site restoration (fertilizate	tion/ grubbing/ scarification/			
			spraying/ recontouring)				
X	Soil testing	X	Soil disposal/ Soil stora	age			
	Tunneling		Other (please specify):				
2	3. Personnel						
		Total No. of	person days	Up to 1800			
		= (A) x No. o		υρ το 1000			
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4. Timing/Construction	l 0000	(a. 0				
Period of operation: Proposed term of permit:	June 2006 June 2006		eptember 2007 eptember 2007			
Proposed term of permit.	Julie 2000		eptember 2007			
Please outline the phases of the proposed project (construction/ operation/ decommissioning) including the timing and scheduling of each phase.						
Construction to take place d						
Operation of the facility is to	meet the 20 year demand o	f fuel needs for the	e community.			
5. Region (check all that apply Baffin x K): (ivalliq Kitikme	eot \Box T	ransboundary:			
	. —		·			
6. Land Status (check all that		<u>-</u>	<u></u>			
Crown x Commission	ners' Inuit Owned Su	ırface lands	Inuit Owned	Sub-Surface Lands		
7. Co-ordinates:						
For Fuel Storage Facility	62 degrees 0 minutes	Min Long (desert	(111-)	176 dogrado 24		
Min Lat (degree/minute)	62 degrees 9 minutes (north)	Min Long (degree	:/minute)	176 degrees 34 minutes (west)		
Max Lat (degree/minute)	62 degrees 10 minutes	– Max Long (degree	e/minute)	176 degrees 34		
Wax Lat (degree/minute)	(north)	Wax Long (acgree	c/illitate)	minutes (west)		
	_ (1.0.1.1.)	_	-	minutes (west)		
NTS Map Sheet No: 55 K						
Please ensure that maps of	the project are attached (1:5	50,000 if available	, 1:250, 000 M a	indatory)		
available from Natural Reso	urces Canada.					
Mapping to Follow ASAP						
E11						
For Land Farm	62 degrees 11 minutes	Min Long (dama	· /:·	176 dogrado 24		
Min Lat (degree/minute)	62 degrees 11 minutes NORTH	Min Long (degree	:/minute)	176 degrees 34 minutes WEST		
Max Lat (degree/minute)	62 degrees 11 minutes	_ Max Long (degree	e/minute)	176 degrees 34		
Wax Lat (degree/fillidie)	NORTH	Max Long (degree	e/iiiiidie)	minutes WEST		
		_	-			
NTS Map Sheet No: 55 K						
Please ensure that maps of	the project are attached (1:5	0,000 if available	, 1:250, 000 Ma	indatory)		
available from Natural Reso	urces Canada					
Mapping to Follow ASAP						
ara e e				N 1/A		
If the project proposal includes a camp , please provide the coordinates of the camp location N/A Min Lat (degree/minute) Min Long (degree/minute)						
Min Lat (degree/minute) Max Lat (degree/minute)		_ Max Long (degree	-			
iviax Lat (degree/minute)		_ iviax Luliy (degree	e/mmute)			
If different from above for the	e camp· N/A					
NTS Map Sheet No:						
Please ensure that maps of	the camp are attached (1:50	_ 0,000 if available.	1:250, 000 Mar	idatory)		
available from Natural Resources Canada						



8. Non-Technical Project Proposal Summary

Please include a non-technical description of the project proposal, no more than 500 words, in English and Inuktitut (+Inuinnagtun, if in the Kitikmeot). The project description should outline the following:

- The project activities, their necessity and duration;
- Method of transportation;
- Any structures that will be erected (permanent/ temporary);
- Alternatives considered; and
- Long-term developments, the projected outcome of the development for the area and its timeline.

Project Proposal Summary

The GN's bulk fuel storage and distribution system in Whale Cove consists of the main tank farm with a diesel fuel capacity of 1,380 m³ and a gasoline fuel capacity of 642 m³, dispensing facilities at the tank farm, and a double line resupply pipeline which runs from the shore manifold to the main tank farm.

The community currently receives two fuel products once per year via tanker: Low Sulphur Diesel fuel (LSDL) and Motor Gasoline (Gasoline).

The work at the proposed facility will include refurbishing existing vertical LSDL and existing vertical gasoline tanks for storage of LSDL, construct new vertical LSDL tank at year 10 to meet the 20 year demand. At year 1 construct new vertical gasoline tank to meet the projected volume for year 20 demand.

The Proposed work incorporates the following items:

- Expansion of the existing facility, utilizing the following tankage built to satisfy the 10 or 20 year demand:
 - o Refurbish existing vertical 1,380 m³ LSDL tank for reuse as LSDL storage.
 - o Refurbish existing vertical 642 m³ gasoline tank for reuse as LSDL storage.
 - o Construct new vertical 243 m³ LSDL tank at Year 10.
 - Construct of one new vertical 420 m³ gasoline tank at Year 1.
 - o Refurbish two 90 m³ horizontal tanks at Year 1 for Standby.
- Construction of new berms and liners, and other items necessary to meet code requirements.
- Construction of a new gasoline/LSDL fuel dispenser as per PPD Standards at Year 1.
- Construction of a new operators shelter as per PPD Standards at Year 1.
- Revision of existing and provision of required new piping within tank farm.
- Reconstruction of fencing of site at Year 1.

The existing pipeline has flexible sections, acting as expansion joints. The pipes are supported on a combination of fixed steel supports and barrels. Many of the barrels have collapsed. The system is subject to vandalism and theft. All of these flexible sections outside of the tank farm are to be replaced with continuous pipe expansion loops.

Other additional work recommended include:

Add booster pump to shore connection point.



- Clean up environmental spillage locations and move to a land farm for remediation.
- Correct minor code and operational deficiencies.
- Paint new and existing tanks.

The duration of construction of the project is estimated to take approximately two years to complete and will meet the 20 year demands of fuel storage for the community of Whale Cove.

SECTION 4: MATERIAL USE

1. List equipment (including drills, pumps, aircrafts, etc.):

Equipment type and number	Size – dimensions	Proposed use
Dozer	Case 560	Earth Works
Dump Truck	Kenworth 20 tonne	Hauling granular material
Front End Loader	Case W14H	Earth Works
Boom Truck	Chevy Kodiak 5 Tonne	Earth Works, Moving tanks and
		equipment
Excavator	Komatsu PC200LC	Earth Works, Excavation
Backhoe	Case 580 Super L	Earth Works
Roller/Compactor	Bomag BW172D	Earth Works, Compaction

2. Detail fuel and hazardous material use:

Fuels	Number of Containers	Capacity of containers (gal & litre)
Diesel	None	
Gasoline	None	
Aviation fuel	None	
Propane	None	
Other	None	
Hazardous material (please specify)	None	

SECTION 5: WASTE DISPOSAL AND TREATMENT FACILITIES

1. List the types of waste:

Type of waste	Projected amount	Method of Disposal	Additional treatment
	generated		procedures
Sewage	None		
Greywater	None		
Garbage	None		
Overburden (organic soil, waste material, tailings)	None		
Hazardous waste			
Other: Contaminated Soil	1400 cu. m.	Land Farm	None



SECTION 6: COMMUNITY INVOLVEMENT & REGIONAL BENEFITS

1. List the community representatives that have been contacted and provide the minutes of the meetings if available:

Community	Name	Organization	Date Contacted	Telephone No.	Fax No.
Whale Cove	Clayton Croucher	Hamlet, SAO	Various	896-9961	896-9109

Applicant:		
(B)	Manager, Environmental	June 29, 2006
	Engineering	
Signature	Title	Date