

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/

SEC	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)	1. b) Project Name Clean Up of the CAM-1, Jenny Lind Island DEW Line Site						
2.	Applicant's full name and mailing address: Phil Warren, P.Eng., PMP Constitution Square, Suite 1720 350 Albert Street	Fax: Phone: Email:	613-998-0468 613-998-7288 Philip.Warren@dcc-cdc.gc.ca				
3.	Ottawa, ON K1A 0K3 Primary contact's full name and mailing address: Eva Schulz, P.Ag. 2540 Kensington Road NW	Fax: Phone:	403-270-0399 403-270-9200				
- -	Calgary, AB T2N 3S3	Email:	eva.schulz@uma.aecom.com				



4.	Secondary contact's full name and mailing address: N/A	Fax: Phone: Email:	
	CTION 2: AUTHORIZATION NEEDED	nronosal·	-
1. 1	ndicate <u>all</u> authorizations associated with the project	proposai:	
X X X X X X X X	Regional Inuit Association (RIA) Nunavut Water Board (NWB) Nunavut Planning Commission (NPC) Department of Indian And Northern Development (DIAND Department of Fisheries and Oceans (DFO) Community Government & Services (CG&S) 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 (Clarks Canada (PC) Other (please specify):		
2.	List the <u>active</u> permits, licences, or other rights reladate: <u>n/a</u>	ated to the project and their expiry	



SECTION 3: PROJECT PROPOSAL DESCRIPTION

4 l	ndicate the type of project proposal:		
	Exploration (geophysical ground, geophysical air, drilling Advanced Exploration/ Bulk Sampling	9)	
	Mine Development All Weather Roads and Trails		
	Winter Roads and Trails		
	DEW Line Clean up		
	Off-Shore Infrastructure		
-	Pit and/or Quarry		
l l'	Other:		
2. lı	ndicate the activities related to the project p	proposal:	
	Drilling other than geoscientific	X Quarrying	
	Offshore structure	All season road	
X	Airport/ landing strip	Winter road	
	Camp	X Access road	
	Fuel storage	Road modification	
	Solid waste disposal	Cabins	
	Hazardous waste storage or disposal	X Sewage or grey water disposal	
	Research	Blasting	
X	Abandonment and Restoration	Harvesting	
	Burning	Burying	
	Construction	Channeling	
	Cut and/or Fill	Removal of vegetation	
	Dam/ Impoundment (construction/ abandonment/ rem		
	modification)		
	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	X Site restoration (fertilization/ grubbing/ scarification	1/
		spraying/ recontouring)	
	Soil testing	X Soil disposal/ Soil storage	
	Tunneling	Other (please specify):	
3. F	Personnel		
		Total No. of person days (55 X 90) per year for 2 year	ars
		= (A) x No. days on site	



4. Timing Period of operation:	June 1, 2007	to	October 31, 2010			
Proposed term of permit:	same	to	same			
Please outline the phases of t and scheduling of each phase		on/ operation/ d	lecommissioning) including the timing			
2010. The contractor will m construction camp. Clean up	PIN-4 is scheduled for clean up beginning in 2007 as part of the DLCU project, with completion expected in 2010. The contractor will mobilize to the site in August 2007, by barge or airlift and set up a temporary construction camp. Clean up activities are expected to continue through to 2010, depending on the contractors' approach and weather conditions.					
winter months, work will cea contractors' workforce and a communities. Completion of anticipated for October 2010.	The expected duration of annual clean up activities on site will generally be from June to October. During the winter months, work will cease and equipment and facilities on site will be winterized. It is expected that contractors' workforce and accessory personnel will mobilize to and from the site from nearby northern communities. Completion of the clean up and demobilization of the contractors' facilities and equipment is anticipated for October 2010. Long-term monitoring of the landfills will begin once clean up is completed and will continue for a 25-year period. After 25 years, the monitoring requirements will be re-evaluated.					
5. Region (check all that apply): Baffin Kiva 6. Land Status (check all that a	alliq X Kitikmeo	ot [Transboundary:			
X Crown Commissione	ers' Inuit Owned Surfa	ice lands	Inuit Owned Sub-Surface Lands			
7. Co-ordinates: Min Lat (degree/minute) Max Lat (degree/minute)	-	Min Long (de Max Long (de				
NTS Map Sheet No: 77B Please ensure that maps of th available from Natural Resour	e project are attached (1:50,	•				
If the project proposal includes Min Lat (degree/minute) Max Lat (degree/minute)		Min Long (de	gree/minute)			
Exact camp location is TBD.						
If different from above for the NTS Map Sheet No: Please ensure that maps of the available from Natural Resour	camp: e camp are attached (1:50,0	00 if availab	le, 1:250, 000 Mandatory)			



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 (+Inuinnaqtun, 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.

In 1998, the Environmental Provisions of the Cooperation Agreement between DND and Nunavut Tunngavik Inc. (NTI), which included the DEW Line Clean up Protocol, were implemented to provide the approach necessary to restore the sites to an environmentally safe condition and prevent the migration of contaminants into the Arctic food chain. The purpose of the proposed project activities is to provide remedy for previous activities that occurred as a result of the operation of the former DEW Line site. Specifically, clean up activities are to prevent the release of physical debris and/or contaminants into the environment, including the adjacent marine environment. During the construction phase of the clean up, existing facilities no longer required for the operation of the NWS will be demolished. The demolition wastes will be segregated into hazardous and non-hazardous materials and disposed of appropriately. Contaminated soils identified during the previous field investigations will be excavated and properly disposed of in on-site engineered landfills or at off-site facilities. Scattered surface debris and partially buried debris on the site will also be collected and disposed of. A Non-hazardous waste landfill will be constructed to contain the non-hazardous contaminated soil and demolition waste generated during the clean up. A Tier II Soil Disposal Facility will be constructed to contain Tier II contaminated soils excavated from the site. The existing landfills within the site will be remediated, as required. Disturbed areas will be physically restored to a stable condition shaped to match the existing terrain. Lastly, a monitoring program will be carried out after the clean up has been completed.

The following activities will occur on-site to support the clean up work:

- Use of existing beach landing area, airstrip and roads at site for equipment transport, movement and access to work areas.
- Set-up of cleanup camp and equipment storage.
- Sewage from the camp will be handled with, at minimum, primary treatment (settling tank and lagoon) and discharged to ground surface. Sewage treatment and disposal will be in accordance with the Land Use Permit and Water Use License.
- Domestic wastes to be incinerated and disposed of in the new Non-hazardous Waste Landfill.
- Demobilization of cleanup camp following end of project.
- Labour and equipment requirements are anticipated to include approximately 40-60 personnel, 20 pieces of heavy construction equipment and 5 support vehicles.
- Duration of work is anticipated to be approximately 4 months, not including winter shutdown period, over a period of four years.

There are no future development plans for the PIN-4 site.



SECTION 4: MATERIAL USE

1. List equipment (including drills, pumps, aircrafts, etc.): This is a typical equipment list and the type and quantity may vary slightly.

Туре	Proposed use
Crew Cabs, Passenger Bus, ATVs and trailers, Fuel Truck	Light Trucks and Misc. Transport
Excavator w/ shear, chuck blade, wrist& twist digging and clean-up bucket, Wheeled Backhoe w/sorting rake, Excavator w/ digging & clean-up bucket	Excavators
Cat – c/w ripper and tilling shanks, Cat – c/w winch, D6M – c/w 6 way, manual steer-winch, Cat – c/w back-hoe attachment	Crawler Tractors and Dozers
IT38G w/ material handling arms, q.c. bucket, forks, Cat Loader w/ q.c. bucket, forks, ISO forks	Loaders
D25E – Articulated rock truck, bed truck, vacuum truck – wet, scissor neck trailer w/ pin on flip up roll, 40' oilfield float trailer	Rock Trucks and Haul Units
Vibratory drum packer, 815 wheeled packer with blade	Compaction Equipment
Enviro-tank, Day fuel tank, Non-potable water tank, Utility pump	Fuel Tanks and Pumps
Camp accommodations, mechanics shop & parts storage (45' van), Potable water hauling truck, Potable water pump, camp power generators	Camp Facilities
Air Hammer drill	Drills
Oxy-acetyline torch set, survey equipment, hydraulic shears (jaws of life), hot water steam washer – gas powered, 9 kg A-B-C Dry Chem Fire extinguishers, 110 kg wheeled Dry Chem A-B-C Fire Extinguisher, Fertilizer Spreader, HEPA vacuum cleaner w/ filters, Haz-mat Filter pump, portable diesel generator, dumpster bin, stacking garbage bin, Haz-mat sorting	Miscellaneous Equipment



bins, large spill kits (overpack barrels), small spill kits (quick response man-pack), floating boam, assorted PPE & CPC, assorted sorbent pads, socks, and absorbent materials (floor-dry),

2. Detail fuel and hazardous material use:

Fuels	Number of Containers	Capacity of containers (gal & litre)
Diesel	4	330,000 L
Gasoline	1	18,000 L
Aviation fuel		n/a
Propane		n/a
Other		n/a
Hazardous material (please specify)		n/a
•		
•		
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Please note that the exact number of container is not yet known and that fuel may be brought in over two years, rather than all at once.

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	92 m ³	Lagoon	
Greywater	900 m ³	Lagoon	
Garbage	18 m ³	F/A incinerator and disposal in on-site landfill	
Overburden (organic soil, waste material, tailings)	n/a		
Hazardous waste	50 m ³	Off-site	
Other:	Contaminated soils – approx. 8300 m ³	On site landfills or landfarm	



SECTION 6: COMMUNITY INVOLVEMENT & REGIONAL BENEFITS

Applicant: Eva Schulz for Phil Warren

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.
Kugluktuk	Paul	Hamlet SAO &	March 2, March	867-982-4471	867-982-
	Waye/Simon	Assistant	17, and April		3060
			25, 2006		
Gjoa Haven	Raymond	Hamlet SAO	March 2, March	867-360-7141	867-360-
	Kamookak		20, and April		6309
			26, 2006		
Taloyoak	Scotty	Hamlet SAO &	March 2, March	867-561-6341	867-561-
	Eggerton/Mike	Controller	20, and April		5057
	Rudkin		27, 2006		
Cambridge Bay	Mark	Hamlet SAO &	March 2, March	867-983-2337	867-983-
	Calliou/Bobbie	recreation	17, and April		2193
	Jo Grover	coordinator	24, 2006		

Please note, these are the primary contacts only. Invitations to the community meetings held the week of April 24, 2006 were extended to the Mayor, the HTA and the Elders groups in each community.

wa als	Environmental Scientist	May 3, 2006	
Signature	Title	Date	