

S PART 1 FORM PROJECT PROPOSAL INFORMATION REQUIREMENTS

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 Sections 1 - 9 are completed in their entirety, in both English and Inuktitut (+ Inuinnagtun, if in the Kitikmeot).

	SECTION 1: APPLIC	ANT INFORMATION				
١.	Project Name Ultra Low Sulfur Diesel Containerized Fuel System for CFS Alert					
2.	Applicant's full name and mailing address: DEPARTMENT OF NATIONAL DEFENCE 1 CANADIAN AIR DIVISION PO BOX 17000 STN FORCES WINNIPEG, MANITOBA	204-833-2500 Phone: Fax: 204-833-2566 Email:				
•	Primary contact's full name and mailing address DEPARTMENT OF NATIONAL DEFENCE 1 CANADIAN AIR DIVISION PO BOX 17000 STN FORCES WINNIPEG, MANITOBA	Phone: Fax: Email:				
	SECTION 2: AUTHO	RIZATION NEEDED				
. (Indicate all authorizations associated with the Regional Inuit Association (RIA) Nunavut Water Board (NWB) Nunavut Planning Commission (NPC) Indian and Northern Affairs Canada (INAC) Department of Fisheries and Oceans (DFO) Community Government & Services (CG&S) Nunavut Research Institute (NRI) Department of Culture, Language, Elders, and Youth (CLEY)	Canadian Launch Safety (CLS) Environment Canada (EC) Government of Nunavut (GN) X Department of National Defense (DND) Hamlet Parks Canada (PC) Canadian Wildlife Service (CWS) Other (please specify):				
2.	List the <u>active</u> permits, licenses, or other aut and their expiry date(s):	horizations related to the project proposal,				



F	nvironment Canada - Storage Tank Sy egistration				
Ha					
	s this project or <u>any components of th</u> RB?	is pro	<u>ject</u> b	een previously screened or reviewe	d b
	☐ YES			X NO	
lf '	YES, indicate the previous project nam	e and	NIRR	File No	
"	1 Lo, maicate the previous project ham	e and	MIND	THE NO.	
	SECTION 3: PROJEC				
Ind (S	SECTION 3: PROJEC dicate the type of project proposal (che ee Appendix A for Project Type Definiti	eck all			
In (S	dicate the type of project proposal (che	eck all		Site Cleanup/Remediation	
(S 1	dicate the type of project proposal (che ee Appendix A for Project Type Definiti	eck all	that a	pply) ^(1,2) :	
(S	dicate the type of project proposal (che ee Appendix A for Project Type Definiti All-Weather Road/Access Trail	eck all	that a	Site Cleanup/Remediation Oil and Natural Gas	
(S 1 2	dicate the type of project proposal (chee Appendix A for Project Type Definition All-Weather Road/Access Trail Winter Road/ Winter Trail	eck all	9 10	Site Cleanup/Remediation Oil and Natural Gas Exploration/Activities	
(S 1 2 3	dicate the type of project proposal (chee Appendix A for Project Type Definition All-Weather Road/Access Trail Winter Road/ Winter Trail Mineral Exploration	eck allions)	9 10	Site Cleanup/Remediation Oil and Natural Gas Exploration/Activities Marine Based Activities Scientific/International Polar Year	
(S 1 2 3	dicate the type of project proposal (chee Appendix A for Project Type Definition All-Weather Road/Access Trail Winter Road/ Winter Trail Mineral Exploration Advanced Mineral Exploration	eck allions)	9 10 11	Site Cleanup/Remediation Oil and Natural Gas Exploration/Activities Marine Based Activities Scientific/International Polar Year Research*	
(S 11 22 33 44 5	dicate the type of project proposal (chee Appendix A for Project Type Definition All-Weather Road/Access Trail Winter Road/ Winter Trail Mineral Exploration Advanced Mineral Exploration Mine Development /Bulk Sampling	eck allions)	9 10 11 12	Site Cleanup/Remediation Oil and Natural Gas Exploration/Activities Marine Based Activities Scientific/International Polar Year Research* Harvesting Activities*	

- Please be advised that in order to complete the NIRB process, the NIRB may request additional information at any time during the process.
- **3.** If "Other" is selected, contact NIRB for direction on whether a Part 2 PSIR Form is required.



Base Meta	Is (zinc, copper	, gold, silver, etc)				
Diamonds		•				
Uranium						
Other:						
 3a. If Project T	ype 13, 14 o	r 15 was selected	l above, complete th	e tab	le and question	ns below.
Transportat	ion Type	Quantity	Proposed	d Use		Length of U
Hercules A	Aircraft	2	Delivery of Ta	nks to	site	6 days
			ited structures that are			
		landing of C-130				
GC. If a tempora	ary camp site		ed, describe the propo			
GC. If a tempora the type and	ary camp site	is to be establishe	ed, describe the propo			
c. If a tempora the type and I/A Personnel Total No. of personnel on	No addition personnel be brough	is to be established ower for the camponal Total No. of will days on-sit to = (B)	ed, describe the proposite if applicable.		tructures in deta	ail and indicate
Rec. If a tempora the type and WA I. Personnel Total No. of personnel on	No addition personnel CFS Alert be finalizing	is to be established ower for the camponal Total No. of will days on-sit to = (B) cally object. from will g the	ed, describe the proposite if applicable.		tructures in deta	ail and indicate
Sc. If a tempora the type and N/A Personnel Fotal No. of personnel on site = (A)	No addition personnel be brough for this pro Personnel CFS Alert be finalizing install.	is to be established ower for the camp on al Total No. of will days on-sit at to = (B) cally oject. from a will g the	ed, describe the proposite if applicable.	osed s	Total No. o (A) × (B) =	ail and indicate
I. Personnel Total No. of personnel on site = (A) Period of opera Proposed term	No addition personnel CFS Alert be finalizing install.	is to be established ower for the camponal Total No. of will days on-sit to = (B) cally oject. from will g the	ed, describe the proposite if applicable. of the second s	5.	Total No. o	ail and indicate f Person days
ic. If a tempora the type and type and the type and t	No addition personnel CFS Alert be finalizing install.	onal Total No. of will days on-sit to = (B) cally oject. from will g the September 1, September	ed, describe the proposite if applicable. of the second s	5. <u>S</u>	Total No. o (A) × (B) = Timing	ail and indicate f Person days



Storage tanks are to be	located at CFS Alert.
6c. Discuss the history of	f the site if it has been used for any project activities in the past.
The site has been occup INAC, two tanks are bein Diesel Fuel Regulations	pied by the Canadian Military since 1956. In response to a direction by ng purchased for installation to achieve compliance with the Sulphur in (SOR/2002-254).
6d. Indicate if there are a	ny known archaeological/palaeontological historical sites in the area.
None known.	
x Crown Inuit Owned Surface 8a. Co-ordinates:	Commissioners' Municipal Lands Inuit Owned Sub-Surface Lands
Min Lat (degree/minute) Max Lat (degree/minute)	82° 30'N Min Long (degree/minute) 62° 19'W Max Long (degree/minute)
NTS Map Sheet No: (Please ensure that maps of the Resources Canada)	e project are attached (1:50,000 if available , 1:250, 000 Mandatory) available from Natural
8b. If the project proposal	I includes a camp , please provide the coordinates of the camp location
Min Lat (degree/minute)	Min Long (degree/minute)
Max Lat (degree/minute)	Max Long (degree/minute)
If different from above NTS Map Sheet No: Please ensure that maps of the Resources Canada	project are attached (1:50,000 if available , 1:250, 000 Mandatory) available from Natural

Please note that additional location information may be required in a subsequent Project Specific Information Requirement (PSIR) submission. This may take the form of a digital Geographic Information Systems (GIS) file.

SECTION 4: NON-TECHNICAL PROJECT PROPOSAL DESCRIPTION

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 response to the direction issued by INAC and the requirement to use ultra low sulphur diesel for ground fleet, the Department of National Defence is purchasing two double walled fuel tanks of 52,500 liters at 90% capacity. The tanks will be transported empty to CFS Alert by C-130 Hercules Aircraft and placed next to each other on an existing gravel pad located as noted on the attached photo. Each tank and its dispensing system will occupy a space no larger than 40 feet long by 8'6" wide by 8'3" high. Electrical power will be run overground from an existing electrical panel. It is anticipated that the tanks will be flown up to CFS Alert sometime in the month of September 2009 and unloaded and placed in location the day they arrrive. Final electrical connections and grounding will occur within one week of the tanks arrival.

The tanks will be filled with fuel brought up in C-130 Hercules Aircraft. A High Pressure Aviation Refuelling System (HPARS - Nato Stock Number 4320-20-002-4760) is being purchased for use in transferring the fuel to the tanks. The ground fleet will be able to refuel from the tanks through a fuel pump.

Only double walled tanks were considered for use in storing the Ultra low sulphur diesel fuel.



Location of new diesel tanks.d...

<u>IMPORTANT:</u> If the proposed activities require submission of a NIRB Part 2 PSIR Form, please complete Section 8 only, otherwise continue on with Section 5.

SECTION 5: MATERIAL USE

1. List equipment to be used (including drills, pumps, aircraft, vehicles, etc.):

Equipment type and number	Size – dimensions	Proposed use
Aircraft	Hercules	Delivery of Tanks

2a. Detail fuel and hazardous material use:

Fuel	Number of Containers and Capacity of Containers	Total Amount of Fuel (in Litres)	Proposed Storage Methods
Diesel			
Gasoline			
Aviation fuel			
Propane			



	Nunavuzza hanogewasankos uszunayaopiosk nasmayis.	
Other		
Hazardous Materials	Total Amount	
and Chemicals	of Hazardous	
	Materials and	
	Chemicals (in	
	Litres)	
2h Deceribe the property	d Spill Broyentian Plan	
2b. Describe the proposed	a Spili Prevention Plan.	
		de a release from the aircraft or ground
		, the CFS Alert spill management
procedure would be initia	ted to contain/clean the area of c	concern.
22. Dotail the anticipated	daily water consumption rates	
3a. Detail the anticipated	daily water consumption rates	
	Proposed water retrieval	Proposed water retrieval location
Daily amount (m³)	•	Proposed water retrieval location
Daily amount (m³)	Proposed water retrieval	No additional water use associated with
Daily amount (m³)	Proposed water retrieval	·
Daily amount (m³)	Proposed water retrieval methods	No additional water use associated with this installation
Daily amount (m³)	Proposed water retrieval	No additional water use associated with this installation
Daily amount (m³) 0 3b. Have you applied for a	Proposed water retrieval methods	No additional water use associated with this installation
Daily amount (m³) 0 3b. Have you applied for a	Proposed water retrieval methods a water License with the Nunavu	No additional water use associated with this installation t Water Board?
Daily amount (m³) 0 3b. Have you applied for a	Proposed water retrieval methods a water License with the Nunavur license in process of specific to this	No additional water use associated with this installation t Water Board?
Daily amount (m³) 3b. Have you applied for a X YES – Water for CFS Alert – (no	Proposed water retrieval methods a water License with the Nunavur license in process of specific to this ct).	No additional water use associated with this installation t Water Board?
Daily amount (m³) 3b. Have you applied for a X YES – Water for CFS Alert – (no	Proposed water retrieval methods a water License with the Nunavur license in process of specific to this ct).	No additional water use associated with this installation t Water Board?
Daily amount (m³) 3b. Have you applied for a X YES – Watel for CFS Alert – (no proje If yes, what class of li	Proposed water retrieval methods a water License with the Nunavur license in process of specific to this ct).	No additional water use associated with this installation t Water Board?
Daily amount (m³) 3b. Have you applied for a X YES – Water for CFS Alert – (no proje If yes, what class of li	Proposed water retrieval methods a water License with the Nunavur license in process of specific to this ct). icence?	No additional water use associated with this installation t Water Board?
Daily amount (m³) 3b. Have you applied for a X YES – Water for CFS Alert – (no proje If yes, what class of li Cla	Proposed water retrieval methods a water License with the Nunavur license in process of specific to this oct).	No additional water use associated with this installation It Water Board? NO

1. List the types of waste associated with the proposed project activities:

Type of waste	Projected amount generated	Method of Disposal	Additional treatment procedures
Sewage (human waste)			
Greywater			
Combustible wastes		CFS Alert landfill	
Non-Combustible			
wastes			
Overburden (organic soil, waste material, tailings)			
Hazardous waste			
Other:			



2. Describe the proposed Waste Management Plan.						
All packaging (non-hazardous) from the tanks will be disposed of in the CFS Alert landfill.						
SECTION 7:	COMMUNITY INVOLV	/EMENT & REGIONA	L BENEFITS			
List the community meetings if available	representatives that have e:	been contacted and pro	vide the minutes of the			
Community	Name	Organization	Date Contacted			
	SECTION 8: GENE	RAL QUESTIONS				
1. Will you be disturbing	ng any known archaeologi	ical sites?				
	□ YES X NO					
SECTION 9: APPLICANT SIGNATURE						
Please sign and date yo	our application:					
Signature	Title		Date			



APPENDIX A Project Type Definitions

- **Access Trail**: A project proposal with the objective of providing vehicular access to an area of interest involving minimal alteration to the terrain.
- **Advanced Exploration:** A project proposal with the objective of identifying size, grade, and physical characteristics of a mineral occurrence and to assess the economic and technical feasibility of developing the mineral deposit into a producing mine
- **All-Weather Road:** A project proposal with the objective of road construction for use in all seasons.
- **Bulk Sampling:** A project proposal with the objective of extracting of large samples of mineralized material involving hundreds to thousands of tonnes. Samples are selected as representative of the potential mineral deposit being sampled. May involve crushing/milling (on small-scale)
- **Harvesting activities:** A project proposal with the objective of harvesting animals, marine mammals and/or fish from their natural habitats by means of hunting or trapping for traditional and commercial use.
- **Marine Based Activities:** Any activity occurring in the marine environment, such as vessel use associated with land-based activities or disposal at sea.
 - *Please note that normal community re-supply or individual ship movements not associated with land-based project proposals shall not be screened by NIRB (Section 12.12.2 of NLCA).
- **Mine Development:** A project proposal with the objective of extracting broken rock with mineralization of sufficient grade and tonnage to sustain commercial mining operations (ore). Mining a body of ore can be achieved by either open pit and/or underground development. Mine development may involve milling. Milling involves treatment of the extracted ore through a combination of mechanical and chemical processes to selectively recover the valuable mineral.
- **Mineral Exploration:** A project proposal with the objective of exploring an area to find geological anomalies. It involves site reconnaissance (ground and/or air) to locate broad and fiscal mineral deposits.
- **Offshore Infrastructure:** A project proposal with the objective of building off loading facilities constructed off the shoreline and connected to the mainland of the marine or freshwater environment. Examples include a jetty, dock, or port facility.
- **Oil and Gas Exploration/Activities:** A project proposal that includes 1) exploration, such as seismic or geological mapping, 2) drilling of oil and gas wells, 3) construction and operation of a pipeline, a gas processing plant or any oil and gas facility within Nunavut.
- **Pits and Quarries:** A project proposal with the objective of pitting, which involves the extraction of granular material (i.e. sands and gravels) and quarrying, which involves the removal of consolidated rock (i.e. bedrock, frozen soil).
- **Scientific Research:** A project proposal with the objective of implementing a series of site activities comprised of observation of phenomena, measurement and collection of data necessary for scientific investigation in designated areas within a limited time period.
- **Seismic Survey:** A project proposal with the objective of conducting a survey to map the depths and contours of rock strata by timing the reflections of sound waves released from the surface. Survey site locations may be offshore (not within 12 nautical miles of any coast), near shore, and extended onshore.
- **Site Cleanups:** A project proposal with the objective of site cleanups (includes DEW line site cleanups), which focuses on the remediation of chemically contaminated soils, stabilization of landfills and dumps, demolition/disposal of infrastructure and debris and monitoring after cleanup is completed.



- **Tourism Activity:** A project proposal with the objective of conducting travel predominantly for recreational, sport or leisure purposes within a designated area and limited time period.
- **Winter Road:** A project proposal with the objective of building a road for winter use by leveling and compacting surface snow and ice. Winter road is removed at end of season.
- **Winter Trail:** A project proposal with the objective of building a trail for winter use by a single pass of a tracked vehicle using a blade, if necessary.