



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 following sections 1 - 8 are completed in full in English and Inuktitut (+ Inuinnaqtun, if in the Kitikmeot).

SECTION 1: APPLICANT INFORMATION

1a. 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): _____

1b. Project Name CAM-D (Simpson Lake) DEW Line Site Remediation Project

2. Applicant's full name and mailing address:

Natalie Plato

Director, Contaminated Sites

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3. Primary contact's full name and mailing address:

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Contaminated Sites Project Manager, INAC

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4. Secondary contact's full name and mailing address:

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Senior Environmental Engineer, PWGSC

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SECTION 2: AUTHORIZATION NEEDED

1. Indicate all authorizations associated with the project proposal:

- | | |
|---|--|
| <input checked="" type="checkbox"/> Regional Inuit Association (RIA)
<input checked="" type="checkbox"/> Nunavut Water Board (NWB)
<input type="checkbox"/> Nunavut Planning Commission (NPC)
<input checked="" type="checkbox"/> Department of Indian And Northern Development (DIAND)
<input type="checkbox"/> Department of Fisheries and Oceans (DFO)
<input type="checkbox"/> Community Government & Services (CG&S)
<input type="checkbox"/> Nunavut Research Institute (NRI)
<input type="checkbox"/> Department of Culture, Language, Elders, and Youth (CLEY) | <input type="checkbox"/> Canadian Launch Safety (CLS)
<input type="checkbox"/> Environment Canada (EC)
<input type="checkbox"/> Government of Nunavut (GN)
<input type="checkbox"/> Department of National Defense (DND)
<input type="checkbox"/> Hamlet
<input type="checkbox"/> Parks Canada (PC)
<input type="checkbox"/> Canadian Wildlife Service (CWS)
<input type="checkbox"/> Other (please specify): _____ |
|---|--|



2. List the active permits, licenses, or other rights related to the project proposal and their expiry date:
All permits are being applied for in conjunction with this application (see Appendices 1, 3 & 4)
3. Have you applied for all authorizations required to conduct the project proposal activities?

☒ YES

☐ NO

SECTION 3: PROJECT PROPOSAL DESCRIPTION

1. Indicate the type of project proposal:

<input type="checkbox"/> Mine development	<input checked="" type="checkbox"/> Dew Line Clean up / Site Investigation
<input type="checkbox"/> Advanced Exploration/ Bulk Sampling	<input type="checkbox"/> Marine Infrastructure (port, breakwater, dock)
<input type="checkbox"/> Exploration (geophysical ground, geophysical air, drilling)	<input type="checkbox"/> Tourism Activities
<input type="checkbox"/> Site remediation/ reclamation	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Research	

2. Indicate the activities related to the project proposal:

<input type="checkbox"/> Drilling (other than geoscientific)	<input type="checkbox"/> All season road / access road
<input type="checkbox"/> Offshore marine infrastructure	<input checked="" type="checkbox"/> Winter road / trail
<input type="checkbox"/> Construction of airport/ landing strip	<input checked="" type="checkbox"/> Road modification
<input checked="" type="checkbox"/> Temporary camp (to be removed at end of field season)	<input type="checkbox"/> River/ stream/ lake crossing or work/ bridge
<input type="checkbox"/> Permanent camp (to remain for life of authorization)	<input type="checkbox"/> Ditch construction
<input type="checkbox"/> Construction of recreational or safety cabin	<input type="checkbox"/> Drainage alteration
<input checked="" type="checkbox"/> Temporary fuel storage (to be removed at end of field season)	<input checked="" type="checkbox"/> General construction activities requiring heavy equipment machinery
<input type="checkbox"/> Permanent fuel storage (to remain for life of authorization)	<input type="checkbox"/> Dam/ impoundment (construction/ abandonment/ removal/ modification)
<input type="checkbox"/> Placement of structures (other than camp or cabin – i.e. scientific instruments)	<input type="checkbox"/> Cut and/or fill
<input type="checkbox"/> Air surveys (i.e. geophysical, wildlife)	<input type="checkbox"/> Geoscientific sampling by diamond drilling
<input type="checkbox"/> Use of aircraft/watercraft/land vehicle for personnel drop-off and pick-up to project location	<input type="checkbox"/> Geoscientific sampling by soil sampling
<input checked="" type="checkbox"/> Use of on-site mechanized vehicles (i.e. atv, snowmobile, truck, zodiac)	<input type="checkbox"/> Geoscientific sampling by trenching
<input checked="" type="checkbox"/> Sewage or grey water disposal via sump	<input type="checkbox"/> Geoscientific sampling by borehole core
<input type="checkbox"/> Hazardous waste storage or disposal	<input type="checkbox"/> Blasting
<input type="checkbox"/> Solid waste disposal	<input type="checkbox"/> Channeling
<input type="checkbox"/> Chemical storage	<input checked="" type="checkbox"/> Excavation
<input type="checkbox"/> Explosives storage	<input type="checkbox"/> Hydrological testing
<input checked="" type="checkbox"/> Soil testing	<input type="checkbox"/> Abandonment and restoration
<input type="checkbox"/> Soil disposal/ soil storage	<input checked="" type="checkbox"/> Site restoration (fertilization/ grubbing/ scarification/ spraying/ recontouring)
<input checked="" type="checkbox"/> Incineration of combustible wastes and removal of non-combustible wastes	<input type="checkbox"/> Research
<input type="checkbox"/> Accessing aggregate material from existing Quarry	<input type="checkbox"/> Ecological survey
<input checked="" type="checkbox"/> Construction of new quarry to access aggregate material	<input type="checkbox"/> Harvesting
	<input type="checkbox"/> Removal of vegetation for scientific purposes
	<input type="checkbox"/> Generation of power via hydroelectric means
	<input type="checkbox"/> Generation of nuclear power
	<input type="checkbox"/> Other: _____



3. Personnel

Total No. of personnel on site = (A) 50 Total No. of days on-site = (B) 90 Total No. of Person days (A) x (B) = **4500**

4. Timing

Period of operation: June 15 to September 15
Proposed term of authorization: May 1, 2008 to September 15, 2011

Please outline the phases of the proposed project (construction/ operation/ decommissioning) including the timing and scheduling of each phase.

See attached "Remedial Action Plan" – Earth Tech (see Appendix B).

Principle activities of this project include:

- ☐ A Boothia Peninsula). Contractor to confirm route (this information will be provided prior to mobilization (see Appendix K);
- Existing site infrastructure will be demolished and demolition wastes will be segregated into hazardous and non-hazardous materials and disposed of appropriately;
- All hazardous materials and soil will be disposed of at an off-site licensed disposal facility;
- A non hazardous waste landfill will be constructed to contain the non hazardous contaminated soil, miscellaneous non hazardous site debris and demolition waste generated during the clean up;
- Existing landfills/dumps on this site, will be remediated, as required;
- Metal/PCB/Hydrocarbon contaminated soil areas, identified during the previous field investigations, will be disposed of at an off-site licensed disposal facility;
- Hydrocarbon impacted soil areas will undergo in-situ remediation or used as intermediate fill for the non-hazardous waste landfill
- Barrel consolidation will be carried out, depending on test results, the contents will either be incinerated on site or shipped off site for disposal. Empty barrels will be crushed and disposed in on-site landfills;
- Scattered surface debris and partially buried debris is to be collected and disposed of in on-site non hazardous waste landfill;
- Roads and airstrip will be re-constructed and repaired as required;
- A number of borrow sources will be developed and material used to assist in the remediation.

5. Region (check all that apply):

☐ North Baffin ☐ Kivalliq ☒ Kitikmeot ☐ Transboundary: _____
☐ South Baffin

6. Land Status (check all that apply):

☒ Crown ☐ Commissioners' ☐ Inuit Owned Surface lands ☐ Inuit Owned Sub-Surface Lands

7. Co-ordinates:

Min Lat (degree/minute) 68°35' "N Min Long (degree/minute) 91°57' "W
Max Lat (degree/minute) _____ Max Long (degree/minute) _____

NTS Map Sheet No: 057A12 (Scale 1/50,000)

Please ensure that maps of the project are attached (1:50,000 if available, 1:250, 000 Mandatory) available from Natural Resources Canada



If the project proposal includes a **camp**, please provide the coordinates of the camp location

Min Lat (degree/minute) same as above Min Long (degree/minute) _____
 Max Lat (degree/minute) _____ Max Long (degree/minute) _____

If different from above for the camp:

NTS Map Sheet No: n/a

The Nunavut Impact Review Board may require additional location information 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.

See attached Executive Summary in English and Inuktitut (Appendix A)

SECTION 5: MATERIAL USE

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

Equipment type and number	Size – dimensions	Proposed use
<i>A list of equipment will be provided by the contractor upon award of the contract. Note that all heavy equipment will be brought to the site by the contractor and removed upon completion of the project. This information will be provided prior to mobilization (see Appendix K).</i>		

2. Detail fuel and hazardous material use:

Fuel	Number of Containers and Capacity of Containers	Total Amount of Fuel (in Litres)	Proposed Storage Methods
Diesel	220	45,000 L	<i>Double walled tanks/containers (22,500 L tanks) and/or barrels. Contractor to confirm.</i>
Gasoline	25	5,125 L	<i>Barrel or tanks. Contractor to confirm.</i>
Aviation fuel	25	5,125 L	<i>Barrel or tanks. Contractor to confirm.</i>
Propane	Certified propane containers	960 kg	<i>Contractor to confirm containment and spill contingency plan. Contractor to confirm size and number of containers.</i>
Other			
Hazardous Materials and Chemicals	Cleaning Supplies	Total Amount of Hazardous Materials and Chemicals (in Litres)	<i>Minimal. To be confirmed by contractor.</i>



3. Detail daily water consumption rates

Daily amount (m ³)	Proposed water retrieval methods	Proposed water retrieval location
20	Water pump	Water supply lake (see Appendix C, site maps)

4. Have you applied for a Class A License with the Nunavut Water Board?

☐ YES

☒ NO

SECTION 6: WASTE DISPOSAL AND TREATMENT METHODS

1. List the types of waste:

Type of waste	Projected amount generated	Method of Disposal	Additional treatment procedures
Sewage (human waste)	40 L/person/day	Disposal on-site	Temporary sewage lagoons
Greywater	75 L/person/day	Disposal on-site	Temporary sewage lagoons
Combustible wastes	Minimal	Incinerated on site.	n/a
Non-Combustible wastes	Minimal	Non-hazardous material disposed on-site in non hazardous landfill.	n/a
Overburden (organic soil, waste material, tailings)	n/a	n/a	n/a
Hazardous waste	Minimal	Disposed off site.	n/a
Other:			

NOTE: Upon completion of the site activity the sewage lagoons will be filled in and contoured to grade.

2. Will you be incinerating combustible waste, removing all solid waste, and removing the ash generated from incineration?

☒ YES

☐ NO

SECTION 7: 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
Community consultations were conducted in Taloyoak, Kugaaruk and Gjoa Haven in April 2006 in which the Hamlet Councils, Hunters & Trapper Organizations and general public were asked to assist in the design of the proposed remediation work. The minutes from the meetings are included in the appendices of the CAM-D Remedial Action Plan (see Appendix B).			

SECTION 8: GENERAL QUESTIONS

1. Will you be disturbing any known archaeological sites?



☐ YES

☒ NO

Note: Archaeological Impact Assessment completed in September 2007 (see Appendix J).

Applicant:

Signature

Director, Contaminated Sites Program

Title

Date