
APPENDIX 1:

PIN-E CAPE PEEL INTERMEDIATE
DISTANT EARLY WARNING (DEW)
LINE SITE REMEDIATION PROJECT

**NUNAVUT IMPACT REVIEW BOARD
PART 1 FORM – PROJECT PROPOSAL
INFORMATION REQUIREMENTS
(ENGLISH, INUINNAQTUN & INUKTITUT)**



PART 1 FORM PROJECT PROPOSAL INFORMATION REQUIREMENTS

To access NIRB documents, project screenings, and project reviews please visit the Nunavut Impact Review Board's ftp site <http://ftp.nirb.ca/>. The NIRB's website (www.nirb.ca) is currently under construction. Please contact info@nirb.ca should you have any questions or require further information.

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 (+ Inuinnaqtun, if in the Kitikmeot).

SECTION 1: APPLICANT INFORMATION

1. Project Name **PIN-E Cape Peel**

2. Applicant's full name and mailing address:

Natalie Plato

Director, Contaminated Sites

Indian and Northern Affairs Canada

PO Box 2200 Iqaluit NU X0A 0H0

Phone: **867-975-4730**

Fax: **867-975-4736**

Email: **natalie.plato@inac.gc.ca**

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

Mark Yetman

Project Manager, Contaminated Sites

Indian and Northern Affairs Canada

PO Box 2200 Iqaluit NU X0A 0H0

Phone: **867-975-4733**

Fax: **867-975-4736**

Email: **mark.yetman@inac.gc.ca**

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"/>	Indian and Northern Affairs Canada (INAC)
<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 authorizations related to the project proposal, and their expiry date(s):

N/A



3. List the pending permits, licenses, or other authorizations related to the project proposal:

Nunavut Water Board Licence

Indian and Northern Affairs Canada Land Use Permit

Kitikmeot Inuit Association Certificate of Exemption

4. Has this project or any components of this project been previously screened or reviewed by NIRB?

☐ YES

☒ NO

If YES, indicate the previous project name and NIRB File No.

SECTION 3: PROJECT PROPOSAL DESCRIPTION

1. Indicate the type of project proposal (check all that apply)^(1,2):
(See Appendix A for Project Type Definitions)

1	All-Weather Road/Access Trail	<input type="checkbox"/>	9	Site Cleanup/Remediation	<input checked="" type="checkbox"/>
2	Winter Road/ Winter Trail	<input type="checkbox"/>	10	Oil and Natural Gas Exploration/Activities	<input type="checkbox"/>
3	Mineral Exploration	<input type="checkbox"/>	11	Marine Based Activities	<input type="checkbox"/>
4	Advanced Mineral Exploration	<input type="checkbox"/>	12	Scientific/International Polar Year Research*	<input type="checkbox"/>
5	Mine Development /Bulk Sampling	<input type="checkbox"/>	13	Harvesting Activities*	<input type="checkbox"/>
6	Pits and quarries	<input type="checkbox"/>	14	Tourism Activities*	<input type="checkbox"/>
7	Offshore Infrastructure (port, break water, dock)	<input type="checkbox"/>	15	Other ⁽²⁾ :	<input type="checkbox"/>
8	Seismic Survey	<input type="checkbox"/>			<input type="checkbox"/>

Please note:

- All project types listed above, except those marked with an asterisk (*), will also require the Proponent to submit a **Part 2 Project Specific Information Requirement (PSIR) Form**. The NIRB application process will not be considered complete without the Part 2 PSIR Form.
- Please be advised that in order to complete the NIRB process, the NIRB may request additional information at any time during the process.
- If "Other" is selected, contact NIRB for direction on whether a Part 2 PSIR Form is required.

2. If Project Type 3, 4 or 5 was selected above, please indicate the mineral of interest that is being extracted. Include a brief description.

<input type="checkbox"/>	Base Metals (zinc, copper, gold, silver, etc)	_____
<input type="checkbox"/>	Diamonds	_____
<input type="checkbox"/>	Uranium	_____
<input type="checkbox"/>	Other:	_____



3a. If Project Type 12, 13 or 14 was selected above, complete the table and questions below.

Transportation Type	Quantity	Proposed Use	Length of Use

3b. Describe any docks, piers, air strips or related structures that are to be used in conjunction with the proposed project activities. **Please note:** the building of new structures may require a Part 2 Form.

This project will use the existing airstrip at the PIN-E Cape Peel Site

3c. If a temporary camp site is to be established, describe the proposed structures in detail and indicate the type and source of power for the camp site if applicable.

A temporary camp will be constructed at the PIN-E site. The camp will be a hard-sided facility complete with heating, lighting, potable & domestic water systems, sewage systems, waste/garbage systems (including an incinerator), and a fire alarm & fighting system. The camp will include a kitchen/dining room, shower & washroom facilities, sleeping quarters, and recreational facilities. Camp electricity will be generated by diesel generators.

4. Personnel

Total No. of personnel on site = (A) 30 Total No. of days on-site = (B) 90 Total No. of Person days (A) x (B) = **2,700**

5. Timing

Period of operation: from June 15 to September 15
Proposed term of authorization: from April 1, 2011 to December 31, 2012

6a. Region (check all that apply):

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

6b. Describe the location of the proposed project activities in a regional context, noting the proximity to the nearest communities and any protected areas.

PIN-E Cape Peel is located on the south coast of Victoria Island, Nunavut, on the north shore of the Dease Strait, approximately 3 kilometres from the coast. The nearest community is Cambridge Bay, located approximately 80 kilometres to the east.

6c. Discuss the history of the site if it has been used for any project activities in the past.

The Cape Peel site was reserved by the Department of National Defence in 1956 and the PIN-E Intermediate Distant Early Warning (DEW) Line Site was constructed in 1959, and subsequently deactivated in 1963. In 1985 some of the surface contaminants at PIN-E were cleaned-up. In 1994 an Environmental Study was conducted at the site, this was followed by a Phase III Environmental Assessment, Geotechnical Assessment and Archaeological Assessment in 2009. Upon the completion of the assessment works a Remedial Action Plan was developed for the site.



6d. Indicate if there are any known archaeological/palaeontological historical sites in the area.

The Archaeological Assessment conducted by Golder Associates in 2009 identified two heritage resource sites at PIN-E. Both of these sites will be flagged and avoided during remediation activities to ensure that they remain undisturbed.

7. Land Status (check all that applies):

<input checked="" type="checkbox"/> Crown	<input type="checkbox"/> Commissioners'	<input type="checkbox"/> Municipal
<input checked="" type="checkbox"/> Inuit Owned Surface Lands	<input type="checkbox"/> Inuit Owned Sub-Surface Lands	

8a. Co-ordinates:

Min Lat (degree/minute)	69°02'04"	Min Long (degree/minute)	107°16'16"
Max Lat (degree/minute)	69°03'25"	Max Long (degree/minute)	107°21'25"

NTS Map Sheet No: **077D04 Cape Peel (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)

8b. If the project proposal includes a camp, please provide the coordinates of the camp location

Min Lat (degree/minute)	69°02'45"	Min Long (degree/minute)	107°18'55"
Max Lat (degree/minute)	69°02'55"	Max Long (degree/minute)	107°18'65"

If different from above for the camp:

NTS Map Sheet No: _____

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

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

PIN-E Cape Peel is a former intermediate Distant Early Warning (DEW) Line site. This project is for the remediation of the site to the standards set by the Indian and Northern Affairs Canada (INAC) Abandoned Military Site Remediation Protocol (2009). Assessment of the site was completed in 2009 and a Remedial Action Plan (RAP) was developed and finalized in 2010.

This project will start during the Spring/Summer of 2011 and continue until the Fall of 2011 or 2012 depending on if the site works can be completed in time to demobilize. Site activities will include:

- Access to site via sealift and fixed wing aircraft.**
- Establish a camp to support site operations.**
- Existing site infrastructure will be demolished and demolition wastes will be segregated into hazardous and non-hazardous materials and disposed of properly.**
- All hazardous materials and soil will be disposed of at an off-site licensed disposal facility.**



- Non-hazardous wastes will be packaged and transported to PIN-D Ross point for disposal at the non-hazardous waste landfill to be constructed there.
- Existing landfills/dumps at this site will be remediated as described in the RAP.
- A landfarm will be constructed for the treatment of hydrocarbon contaminated soil.
- Contaminated soils will be handled as described in the RAP.
- Barrels with like contents will be consolidated, depending on test results the contents will either be incinerated on-site or shipped off site for disposal. Empty barrels will be crushed and transported to PIN-D Cape Peel for disposal in the non-hazardous waste landfill to be constructed there.
- Scattered surface debris and partially buried debris (non-hazardous) will be collected, packaged and shipped to PIN-D for disposal in the non-hazardous waste landfill to be constructed there.
- Roads and the airstrip will be re-constructed and repaired as required
- Several borrow sources will be developed and the material will be used to assist in the remediation work.

Transportation to and from the site will be by both sealift (for equipment and materials) and fixed-wing aircraft (personnel and supplies).

The only structure that will be erected is a temporary camp that will be removed upon the completion of site activities.

Throughout the design of the project alternative methods for addressing the environmental hazards were considered. All options were evaluated based on environmental impacts and cost considerations.

The outcome of this project will be the remediation of the site to removal all environmental hazards and return it to near original condition. We will also strive to provide employment and subcontracting opportunities to the communities of Cambridge Bay and Kugluktuk.

IMPORTANT: 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



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			
Other			
Hazardous Materials and Chemicals		Total Amount of Hazardous Materials and Chemicals (in Litres)	

2b. Describe the proposed Spill Prevention Plan.

3a. Detail the anticipated daily water consumption rates

Daily amount (m ³)	Proposed water retrieval methods	Proposed water retrieval location

3b. Have you applied for a water License with the Nunavut Water Board?

☐ YES

☐ NO

If yes, what class of licence?

☐ Class A Water Licence

☐ Class B Water Licence

SECTION 6: WASTE DISPOSAL AND TREATMENT METHODS

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			
Non-Combustible wastes			
Overburden (organic soil, waste material, tailings)			
Hazardous waste			
Other:			

2. Describe the proposed Waste Management Plan.



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

SECTION 8: GENERAL QUESTIONS

1. Will you be disturbing any known archaeological sites?

☐ YES



NO

SECTION 9: APPLICANT SIGNATURE

Please sign and date your application:

Nateel [Signature]
Signature

Director, Contaminated Sites
Title

NOV 10/10
Date