



APPLICATION FOR LAND USE PERMIT

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The information you provide in this document is collected under the authority of the *Territorial Land Use Regulations* for the purpose of responding to your application for land use permit. Information on individuals is used by Aboriginal Affairs and Northern Development Canada Land Administration employees who need to know the information in order to respond to your request and/or the program requirements. We share the information you give us with First Nations, Aboriginal groups and Inuit, Territorial and Federal Government Expert Agencies and Public Government Institutions. The personal information will be retained 6 years after the last administrative use and then destroyed. Individuals have the right to the protection of and access to their personal information under the *Privacy Act* <http://lois.justice.gc.ca/en/P-21/index.html>.

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Application Fee	Land Use Fee	General Receipt No.	Date (YYYYMMDD)	Class	Permit Number
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To be completed by all applicants ▶ New Application Amendment

1. Applicant's Name and Mailing Address (Full name, no initials) Defence Research and Development Canada - Bruce Grychowski, Project Manager 9 Grove St. PO Box 1012, Dartmouth, NS B2Y 3Z7			Facsimile Number
			Telephone Number 902 426-3100
2. Head Office Address Defence Research and Development Canada - David Hazen, Center Director - DRDC Atlantic 9 Grove St. PO Box 1012, Dartmouth, NS B2Y 3Z7			Facsimile Number
			Telephone Number
Field Supervisor Bruce Grychowski	Radio Telephone	E-Mail Address Bruce.Grychowski@drdc-rddc.g	Telephone Number

3. Other Personnel (Subcontractor, Contractors, Company Staff, etc.)

Tamara Van Dyck, Defence Construction Canada
101 Colonel By Drive
Ottawa, ON K1A 0K2
Tamara.VanDyck@dcc-cdc.gc.ca 613-995-9741

Total ▶

4. Qualifications

Refer to Section 21 of the *Territorial Land Use Regulations* Number(s) exploration permit mineral claims (If applicable)
a(i) a(ii) a(iii) b c

5. a) Summary of Operation (Describe purpose, nature and location of all activities.)

Refer to Section 22(2)(b) of the *Territorial Land Use Regulations* (Use last page of form if necessary.)

The DRDC Northern Watch Technology Demonstration Project will demonstrate an Arctic maritime surveillance capability to the Department of National Defence and other concerned federal departments. This is a multi-year undertaking and is based at Gascoyne Inlet.

The surveillance demonstration system will be unmanned, semi-autonomous, and remotely controlled through a satellite system connection to one of the DRDC centres.

b) Please indicate if a camp is to be set up (Use last page to provide details.)

The existing camp will continue to be used for this project; this camp will facilitate approximately 27 persons for 28 days.

6. Summary of potential environmental and resource impacts

(Describe the effects of the proposed program on land, water, flora and fauna and related socio-economic areas.)
(Use separate pages if necessary.)

It is anticipated that this project will have little or no impact on the environment and/or resources in the area. Waste will be handled in the appropriate manner - garbage will be flown to Resolute Bay for proper disposal, sewage will be incinerated on-site, using propane powered toilets, and grey water will be screened and drained into the ground, which is loose rock/gravel. Protocols are in place to ensure that any fuel spills are contained. ATV traffic will be kept to marked trails to minimize disturbance to flora and terrain. To mitigate the danger of polar bears, bear watchers will be hired from the Resolute Bay hunters and Trappers Association and they will have the only firearms in camp.

7. Proposed Restoration Plans (Please use last page if required.)

At the conclusion of the project, all sensor, communication, and data collection equipment will be removed from the Gascoyne Inlet camp and the Cape Liddon site. The Resolute Bay hunters and Trappers will be given the choice of which buildings will remain at the Gascoyne Inlet camp - the others will be removed. The portable structures at Cape Liddon will be removed.

8. Other rights, licences or permits related to this permit application (Mineral claims, Yukon timber permits, water licences, etc.) (Please use last page if required.)

The other permit currently associated with this project is an application for Approval for the Use of Water or Deposit of Waste Without a Licence.

Roads ► Is this to be a pioneered road? Has the route been laid out or ground truthed?

9. Proposed Disposal Methods (Please use last page if required.)

a) Garbage Garbage is to be flown to Resolute Bay for proper disposal.	b) Sewage (Sanitary and Grey Water) Sewage-incinerated, greywater-screened and released to gravel
c) Brush and Trees N/A	d) Overburden (Organic soils, waste material, etc.) N/A

10. Equipment (Includes drills, pumps, etc.) (Please use last page if required.)

Type and Number	Size	Proposed Use
3 ATVs		transportation
1 Bobcat		maintenance
1 Zodiac boat		transportation
3 Generators	25 KW and 5 KW	power generation

11. Fuels	Number of Containers	Capacity of Containers
<input checked="" type="checkbox"/> Diesel	40	205 L
<input checked="" type="checkbox"/> Gasoline	3	205 L
<input type="checkbox"/> Aviation Fuel		
<input checked="" type="checkbox"/> Propane	4	100 lb
<input type="checkbox"/> Other:		

12. Containment Fuel Spill Contingency Plans (Please attach separate contingency plan if necessary.)

Fuel drums will be stored in a bermed area that has a liner install beneath a layer of aggregate. There is and will continue to be a comprehensive spill kit on-site; all staff on-site will undergo thorough spill response training. Please see attached Spill Contingency Plan.

13. Methods of Fuel Transfer (To other tanks, vehicles, etc.)

Fuel will be transferred directly from the storage tanks to vehicles/equipment using hand pumps.

14. Period of Operation (Includes time to cover all phases of project work applied for, including restoration.)

The main component to this project is to demonstrate an Arctic maritime surveillance capability; this demonstration is scheduled for Aug 2015. The Gascoyne Inlet camp will receive a minimum of annual summer maintenance visits by DRDC Atlantic staff after 2015.

15. Period of Permit (Up to two years, with maximum of one year extension.) Two years	Start Date (2014-06-23)	Completion Date (2016-06-23)
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16. Location of activities by map co-ordinates (Attach maps and sketches.)

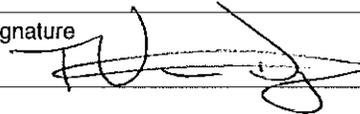
	Degrees	Minutes	Seconds		Degrees	Minutes	Seconds
Minimum Latitude ▶	91	16	22	Minimum Longitude ▶	74	39	40
Maximum Latitude ▶				Maximum Longitude ▶			

Map Sheet Number
58 E/12 Gascoyne Inlet

17. Applicant (Print Full Name)

TAMARA VAN DYCK (FOR DRDC ATLANTIC)

Signature



Date

2014/04/08

18. Fees

<input type="radio"/> Class A - \$150.00 <input type="radio"/> Class B - \$150.00 ▶	\$150.00
Land Use Fees: Less than or equal to 2 hectares ▶ \$50.00	\$ 50.00
For each additional hectare over 2 hectares or portion of a hectare ▶ X \$50.00 =	
Total application and land use fees ▶	

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19. Calculation of area involved (Includes access, staging areas, airstrips, campsites, etc.)

Total Area (Ha)	Less than or equal to 2 hectares	Total (For Fee Calculation)
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20. Application Checklist

- | | |
|--|---|
| <input type="checkbox"/> a) Application Signed and Dated | <input type="checkbox"/> e) Screening Report |
| <input type="checkbox"/> b) Fees Attached | <input type="checkbox"/> f) Timber Permit Applied for - Yukon |
| <input type="checkbox"/> c) Map Included | <input type="checkbox"/> g) Fees Attached |
| <input type="checkbox"/> d) Address and Telephone Number | <input type="checkbox"/> h) Lease Applied for |

Remarks (Please use last page if additional space is required.)

Accepted by

Date

(YYYYMMDD)

21. Additional Information (Attach additional pages if necessary.)