

## APPLICATION FOR LAND USE PERMIT

FOR OFFICE USE ONLY – RÉSERVÉ AU BUREAU					
Application fee	Land use fee	General receipt no.	Date	Class	Permit no.

To be completed by all applicants →

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New application

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Amendment

1. Applicants name and mailing address (Full name, no initials) <i>Lou Spagnuolo</i> <i>A/Director, Contaminated Sites</i> <i>Indian and Northern Affairs Canada</i> <i>P.O. Box 2200, Iqaluit, Nunavut X0A 0H0</i>			Fax no. (867) 979-7939
			Telephone no. (867) 979-7936
2. Head office address <i>Same as above</i>			Fax no.
			Telephone no.
Field supervisor <i>To be determined upon award of contract</i>	Radio telephone	E-mail address:	Telephone no.

3. Other personnel (subcontractor, contractors, company staff, etc.)

*Public Works and Government Services Canada.**Brad Thompson**Senior Environmental Engineer**Phone: (780) 497-3862**Fax: (780) 497-3842**Contact information for Contractor is not available until successful award of contract.*

4. Qualifications Refer to Section 21 of the Territorial Land Use Regulations a(i) <input type="checkbox"/> a(ii) <input type="checkbox"/> a(iii) <input type="checkbox"/> b <input type="checkbox"/> c <input checked="" type="checkbox"/>	No(s) exploration permit mineral claims (if applicable) N/A
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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.)

*Site remediation will include activities on both Crown and IO Lands.*Summary*The entire Middle and Upper Stations as well as portions of the upper access road are located on Crown Lands. A non hazardous waste landfill will be constructed at the Mid- Station site on Crown lands. No infrastructure will remain on Crown lands and no borrow sources will be utilized on these lands.*Activities to be carried out on Inuit Owned Lands*The Beach and Lake Sites as well as the road connecting the two sites and the lower portion of the upper access road are located on IO Lands. A non hazardous waste landfill and the landfarm ( that will be used to treat petroleum hydrocarbon contaminated soils) will be constructed on IO Lands. All borrow sources will be developed on IO Lands. Barrel consolidation, including removal of barrels from river and glacial stream will be carried out on these lands.**Hydrocarbon contaminated soil will be moved to a landfarm facility to be constructed on IO Lands near the beach;**The existing site infrastructure (primarily a few other buildings at the Lake and Beach Areas will be demolished and the material will be segregated into hazardous and non-hazardous waste streams and disposed of appropriately);*

- Scattered surface debris and partially buried debris at the Mid and Upper Stations is to be collected and disposed of in on site non hazardous waste landfills;
- Two non hazardous waste landfills will be constructed at the site. The landfills will contain demolition and other non hazardous waste generated during the clean up. One of these landfills is located on IOL lands
- Existing dump sites will be remediated, as required; and
- Roads will be re-constructed and repaired.

**See Appendix A – Remediation Work Plan and Site Location Figure, as well as Appendix D – Environmental Protection Plan: Removal of Drums Within Watershed and Culvert Installation, and, in addition, Appendix H – Environmental Monitoring Plan for further detail.**

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

*The camp is to be constructed on IO Lands.*

**See Appendix A – Remediation Work Plan**

6. Summary of potential environmental and resource impacts  
(Describe the effects of the proposed program on land, water, flora & fauna and related socio-economic areas)  
(Use separate pages if necessary)

**See Appendix E – Environmental Screening Report. A copy of the Environmental Screening report for this project will be forwarded to the regulator under separate cover.**

**Also see Appendix B – Public Consultation Information for socio-economic impacts and mitigation.**

7. Proposed restoration plane (please use last page if required)

*The camp will be decommissioned by the end of October 2007. Decommissioning activities will include removal of all camp facilities, burning and/or removal of garbage, removal of equipment and general site clean-up. The site will be graded as required to match surrounding terrain and to ensure positive drainage. The site will be secured for human health and safety and environmental security.*

**A separate Application for Access to Inuit Owned Land will be completed detailing this activity.**

**See Appendix A – Remediation Work Plan**

8. Other rights, licences or permits related to this permit application (mineral claims, Yukon timber permits, water licences, etc.)

- *Nunavut Water Board Permit*
- *Quarry Permit*
- *Inuit Owned Land Access Permit*
- *Conformance to Baffin Planning Region Land Use Plan*

Roads →

☐

Is this to be a pioneered road?  
Provide details on back page

☐

Has the route been laid out or ground  
truthed?

## 9. Proposed disposal methods

<p>a) Garbage:</p> <p><b><i>Two non hazardous waste landfills will be constructed at the Mid Station site on Crown lands.</i></b></p> <p><i>Non-hazardous, combustible solid waste will be incinerated on-site in an enclosed container. Noncombustible solid waste generated from the camp operations will be stored in a secure waste disposal bin. The contents of the waste disposal bin will be transported and disposed of in one of the on-site non-hazardous waste (NHW) landfills on an as required basis.</i></p> <p><b><i>See Appendix A – Remediation Work Plan</i></b></p>	<p>b) Sewage (Sanitary &amp; Grey Water):</p> <p><b><i>The sewage lagoons will not be constructed on Crown Lands.</i></b></p> <p><i>Two temporary lagoons will be installed each having a capacity for 45 days of wastewater storage. The location of the lagoons will be a minimum of 100 m from the construction camp, a minimum of 450 m from water bodies and downwind of the construction camp.</i></p> <p><i>Discharge criteria will be as follows: 1) oil and grease – none visible, 2) pH – 6 to 9, 3) TSS – 180 mg/L, 4) BOD – 120 mg/L, 5) fecal coliforms – 10,000 CFU/dl.</i></p>
<p>c) Brush &amp; trees:</p> <p><i>None. Above tree line.</i></p>	<p>d) Overburden (organic soils, waste material, etc.):</p> <p><b><i>See Appendix A – Remediation Work Plan</i></b></p>

## 10. Equipment (includes drills, pumps, etc.) (Please use last page if necessary)

Type & no.	Size	Proposed use
<p><i>To be provided by Contractor upon award of Contract – note that all heavy equipment will be brought to site by the Contractor and removed upon completion of the project.</i></p> <p><i>Some equipment used will exceed the minimum weight 10 tonnes net vehicle weight ie backhoes, tracked tractors. List of equipment to be provided upon contract award.</i></p>		

## 11. Fuels

Type & no.	Volume	Proposed use
<i>Diesel and gasoline</i>	<i>A number of 205 L barrels. Diesel may be transported to site in a truck-mounted tank.</i>	<i>To power site equipment and camp</i>

## 12. Containment fuel spill contingency plans (Please attach separate contingency plan if necessary)

***See Appendix C – Contingency Plans for the Cleanup of FOX-C Intermediated DEW Line Site.***

*In addition, the Contractor will be responsible for providing a more detailed site specific spill contingency plan.*

## 13. Methods of fuel transfer (To other tanks, vehicles, etc.)

*Fuel will be transferred directly from the barrel or truck to vehicles and equipment using an electric pump. Fuel transfer will be completed at a location at least 100 m from water bodies and courses. **This work may be carried out on both IO Land and Crown Land.***

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

*It is anticipated that the camp contractor will mobilize to the site in September 2005. The camp will be occupied from July 1 to October in 2006 and 2007 for a maximum of 75 days per year. The camp will demobilize following the end of the field season in 2007.*

***See Appendix F – FOX-C Project Schedule***

## 15. Period of permit (Up to two years, with maximum of one year extension)

→ Start date: 2005/09/01

→ Completion date: 2007/09/01

## 16. Location of activities by map co-ordinates (Attached maps and sketches)

Minimum Latitude

Degrees

Minutes

Seconds

68

42 N

Minimum Longitude

Degrees

Minutes

Seconds

68

33 W

Maximum Latitude

Degrees

Minutes

Seconds

Maximum Longitude

Degrees

Minutes

Seconds

Map sheet no. 027B09 See Appendix G – Site Plans

## 17. Applicant (Print name in full)

Lou Spagnuolo

A/Director Contaminated Sites

Signature

*Lou Spagnuolo*

Date

17 Feb 2005

## 18. Fees

☐ N/A

Class A - \$150

☐

Class B - \$150

→

N/A

## Land Use Fees:

Less than or equal to 2 hectares

→

\$50.00

N/A

For each additional hectare over 2 hectares or portion of a hectare

→

x \$50.00

\$ N/A

Total application and land use fees

→

\$ N/A

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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)

## 20. Application checklist

a) ☐ Application signed and datedb) ☐ Fees attachedc) ☐ Map includedd) ☐ Address and telephone numbere) ☐ Screening reportf) ☐ Timber permit applied for – Yukong) ☐ Fees attachedh) ☐ Lease applied for

Accepted by

Date

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

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