



APPLICATION FOR LAND USE PERMIT

FOR OFFICE USE ONLY – RÉSERVÉ AU BUREAU

Application fee	Land use fee	General receipt no.	Date	Class	Permit no.
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To be completed by applicants:

☒ **New application**

☐ **Amendment**

1. Applicant's name and mailing address (Full name, no initials) Philip Warren, P.Eng., PMP Defence Construction Canada Constitution Square, Suite 1720 350 Albert Street Ottawa, ON K1A 0K3			Fax no. 613-998-0468
			Telephone no. 613-998-7288
2. Head office address Same as above.			Fax no. Same as above.
			Telephone no. Same as above.
Field supervisor Field supervisor has not yet been determined. In the interim, please contact Philip Warren.	Radio telephone	E-mail address Philip.Warren@dcc-cdc.gc.ca	Telephone no.

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

The contract for the work has not yet been awarded, therefore the names of the contractors, subcontractors, etc. are not yet available.

TOTAL: 40-60 people

4. Qualifications

Refer to Section 21 of the Territorial Land Use Regulations

a(i) ☐ a(ii) ☐ a(iii) ☐ b X c ☐

No(s) exploration permit mineral claims (if applicable)

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 clean up of the CAM-5 site includes demolition of existing facilities, remediation of the existing landfills, construction of two new landfills, excavation of contaminated soils, removal of surface debris around the site and grading and restoration of the site to as natural a state as practical. Please see the drawings in Appendix A for the locations of the construction site activities.

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

A construction camp will be set up at the site; however, the exact location has not yet been determined. The camps are typically set up in areas of previous ground disturbance that are free of contaminated soils. The camp will be able to accommodate up to 60 people, with an average of 50 people on site at a time. Peak time for maximum number of people on site is mid-July to the end of August. Water for the camp will be pumped into a truck equipped with a holding tank from the water supply lake and transferred to a tank at the camp area. All water intake hoses will be equipped with screens with a mesh size of 2.5 millimetres or less to prevent the intake of fish. As a minimum, the camp sewage will be directed to a two-cell lagoon situated a minimum of 100 metres from the camp, any natural drainage course and water bodies that support aquatic life. Greywater from camp operations will also be discharged into the sewage lagoon. Domestic garbage will be incinerated in an enclosed container and the residual waste buried in the Non-Hazardous Waste Landfill. All excess fuels, camp equipment and facilities will be removed from the site after completion of the clean up activities. Any hazardous wastes encountered during the clean up operations will be packaged and stored according to TDG Regulations prior to shipment to a southern disposal facility. Waste oil is included as hazardous waste and will be treated appropriately.

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.)



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(Use separate pages if necessary.)

See Sections 6.0 and 7.0 of the Project Description for a description of the environment and the potential environmental and resource impacts.

7. Proposed restoration plans (Please use last page if required.)

The DEW Line Clean Up Project is essentially a restoration project. For final abandonment and decommissioning plans, see Section 10 of the Project Description

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

A water use license from the Nunavut Water Board has been applied for. A quarry permit application from Indian and Northern Affairs Canada is also attached.

Roads ☐ Is this to be a pioneered road? ☒ Has the route been laid out or ground truthed?
Provide details on back page - see attached drawings

9. Proposed disposal methods

a) Garbage: Garbage will be incinerated and the residual materials will be buried in the Non-Hazardous Waste Landfill.

b) Sewage (Sanitary and grey water): Sewage and greywater will be discharge into a 2-cell lagoon and the effluent tested prior to discharge. The remaining settle solids will be buried on-site.

c) Brushed & trees: N/A

d) Overburden (Organic soils, waste material, etc.): Overburden will be stockpiled for use in grading and contouring of the site.

10. Equipment (Includes drills, pumps, etc.) - NOTE: The equipment list is based on the list provided for a similar DEW Line site and is approximate only. The equipment list will be updated once the contract has been awarded.

Number	Type	Proposed use
5 1 4 3 1 1	Crew Cab 40 Passenger Bus ATV ATV Trailer Truck c/w Portable Welder Fuel Truck	Light Trucks and Misc. Transport
1 1 1	Hitachi 300 Excavator w/ shear, chuck blade, wrist& twist digging and clean-up bucket Wheeled Backhoe w/sorting rake Hitachi 300 LC Excavator w/ digging & clean-up bucket	Excavators
1 1 1 1	TD25 Cat – c/w ripper and tilling shanks D6D Cat – c/w winch D6M – c/w 6 way, manual steer-winch D3C Cat – c/w back-hoe attachment	Crawler Tractors and Dozers
1 1 1	IT38G w/ material handling arms, q.c. bucket, forks 966D Cat Loader w/ q.c. bucket, forks, ISO forks IT28 (or equal w/ q.c. bucket, forks)	Loaders
5	D25E – Articulated rock truck	Rock Trucks and Haul Units



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2	bed truck	
1	vacuum truck – wet	
1	scissor neck trailer w/ pin on flip up roll	
1	40' oilfield float trailer	
1	Vibratory drum packer (self-propelled)	Compaction Equipment
1	815 wheeled packer with blade (self-propelled)	
1	Enviro-tank (2800 L) – skidded	Fuel Tanks and Pumps
2	Day fuel tank (500 L) – w/ forklift skid	
2	Non-potable water tank (1900 L) – unlined, forklift skid	
3	Utility pump – 5 HP x 2" gas engine	
1	Camp accommodations	Camp Facilities
1	mechanics shop & parts storage (45' van)	
2	Potable water hauling truck (11,400 L)	
1	Potable water pump – 5 HP x 2" gas engine	
1	Water treatment Plant c/w 3000 gal reservoir & stand-by fire pump	
3	camp power generators	
1	Air Hammer drill	Drills
1	Oxy-acetyline torch set	Miscellaneous Equipment
1	survey equipment	
1	hydraulic shears (jaws of life)	
1	hot water steam washer – gas powered	
1	Herman Nelson – wheeled (front-light)	
1	banding machine c/w tools, clips & banding	
50	9 kg A-B-C Dry Chem Fire extinguishers	
1	110 kg wheeled Dry Chem A-B-C Fire Extinguisher	
1	Fertilizer Spreader	
2	HEPA vacuum cleaner w/ filters	
2	Haz-mat Filter pump (5 & 25 micron filters)	
2	portable toilet facilities	
1	portable 5000W diesel generator	
1	portable 6600W diesel generator	
4	19 cubic metre dumpster bin	
4	4' x 4' stacking garbage bin – skidded for forklift	
2	Haz-mat sorting bins 10' x 20'	
2	light plant, trailer mounted	
6	large spill kits (overpack barrels)	
4	small spill kits (quick response man-pack)	
1	150 ft floating boom	
	assorted PPE & CPC	
	assorted sorbent pads, socks, and absorbent materials (floor-dry)	



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11. Fuels	Quantity
Diesel	502,000 L
Gasoline	25,000 L
Aviation Fuel	n/a
Propane	n/a
Other	n/a

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

See Section 9.0 of the Project Description.

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

Fuel will be transferred using pumps from the storage tanks either directly to the vehicle/equipment or via the fuel truck.

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

It is anticipated the clean up will require 4 years to complete, with the work being completed in the summer months of June to September only.

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

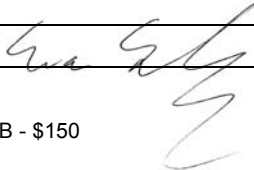
Start date 2006/03/01

Completion date 2010/03/31

16. Location of activities by map coordinates (Attached maps and sketches.) See Drawings in Appendix A.

Minimum Latitude Degrees 68	Minutes 17
Maximum Latitude Degrees 85	Minutes 07

Map sheet no: 47B

17. Applicant: Eva Schulz (for Phil Warren)	Signature: 	Date: August 31, 2005
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18. Fees

☐ Class A - \$150

☐ Class B - \$150

\$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 calculations)
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20. Application checklist



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a) <input type="checkbox"/> Application signed and dated	e) <input type="checkbox"/> Screening report
b) <input type="checkbox"/> Fees attached	f) <input type="checkbox"/> Timber permit applied for – Yukon
c) <input type="checkbox"/> Map included	g) <input type="checkbox"/> Fees attached
d) <input type="checkbox"/> Address and telephone number	h) <input type="checkbox"/> Lease applied for

Accepted by:	Date
Remarks (Please use last page if additional space is required.)	
21. Additional information (Attach additional pages if necessary.)	