

**NWB Annual Report**

**Year being reported:** 2008 ▼

**License No:** 3BC-AWW0814 **Issued Date:** February 28, 2008  
**Expiry Date:** March 31, 2014

**Project Name:** Advanced Winter Warfare Course

**Licensee:** Department of National Defence

**Mailing Address:** 101 Colonel By Drive  
 Ottawa ON  
 K1A 0K2

**Name of Company filing Annual Report (if different from Name of Licensee please clarify relationship between the two entities, if applicable):**

Department of National Defence: Director Land Environment, Chief of Land Staff

**General Background Information on the Project (\*optional):**

Proof of concept advanced winter warfare course conducted during the month of March 2008, in the Qikiqtani Region, Nunavut which includes a 13-day field training exercise.

**Licence Requirements: the licensee must provide the following information in accordance with**

Part B ▼ Item 2 ▼

**A summary report of water use and waste disposal activities, including, but not limited to: methods of obtaining water; sewage and greywater management; drill waste management; solid and hazardous waste management.**

**Water Source(s):** Community of Resolute Bay provided potable water in the form of ice blocks for personal hydration and cooking (Approx. 0.5 cu.m per day / Total 6 days in the field).

<b>Water Quantity:</b>	0	Quantity Allowable Domestic (cu.m)
	0	Actual Quantity Used Domestic (cu.m)
	N/A	Quantity Allowable Drilling (cu.m)
	N/A	Total Quantity Used Drilling (cu.m)

**Waste Management and/or Disposal**

- ☒ Solid Waste Disposal
- ☒ Sewage
- ☐ Drill Waste
- ☒ Greywater
- ☐ Hazardous
- ☐ Other:

**Additional Details:**

**Solid Waste Disposal:** was collected in bags and properly stored in order to prevent spillage. Once the course was completed, waste was redeployed south and disposed of accordingly in Trenton, Ontario.

or accordingly in Trenton, Ontario.

Blackwater: was collected in bags and properly stored in order to prevent spillage. Once the course was completed, blackwater was redeployed south and disposed of accordingly in Trenton, Ontario.

Greywater: water warmed for personal hygiene or to heat dry food was cooled to as close to atmospheric temperature as possible, prior to its release onto the land. All sewage and contaminated water was collected in bags and redeployed south.

#### A list of unauthorized discharges and a summary of follow-up actions taken.

Spill No.:  (as reported to the Spill Hot-line)

Date of Spill:

Date of Notification to an Inspector:

Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

#### Revisions to the Spill Contingency Plan

SCP submitted and approved - no revision required or proposed



Additional Details:

#### Revisions to the Abandonment and Restoration Plan

AR plan submitted and approved - no revision required or proposed



Additional Details:

#### Progressive Reclamation Work Undertaken

Additional Details (i.e., work completed and future works proposed)

#### Results of the Monitoring Program including:

**The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where sources of water are utilized;**



Additional Details:

All potable water was provided by the community of Resolute Bay in the form of ice blocks.

Resolute Bay: 74°42'15"N 94°53'44"W

**The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where wastes associated with the licence are deposited;**

Details described below ▼

**Additional Details:**

Water warmed for personal hygiene or to heat dry food was cooled to as close to atmospheric temperature as possible, prior to its release onto the land.  
Camp #1: 94°46'00"W 74°44'00"N  
Camp #2 (12-Mile Lake): 74° 49'N, 95° 20'W

**Results of any additional sampling and/or analysis that was requested by an Inspector**

No additional sampling requested by an Inspector or the Board ▼

**Additional Details: (date of request, analysis of results, data attached, etc)**

N/A

**Any other details on water use or waste disposal requested by the Board by November 1 of the year being reported.**

No additional sampling requested by an Inspector or the Board ▼

**Additional Details: (Attached or provided below)**

N/A

**Any responses or follow-up actions on inspection/compliance reports**

No inspection and/or compliance report issued by INAC ▼

**Additional Details: (Dates of Report, Follow-up by the Licensee)**

N/A

**Any additional comments or information for the Board to consider**

The course had to scale back dramatically from its original plan due to the extreme cold and the frequent breakdown of their means of transportation. As such, they were unable to reach most of the locations originally planned for in the EA. Rather than reaching the furthest point (Polaris Mines, approx 120 Km North West of Resolute), they did not get much more than 15 Km from the Polar Continental Shelf Project (NRCan facility in Resolute Bay). The course ended up spending only 6 days out on the land, as opposed to the originally anticipated 13 days, of which no more than 2 nights were spent in any given location. Nevertheless, all mitigation measures previously identified and approved were applied at the new locations. As a result of this, new locations will be considered for future courses and as such, an amended water licence application will be submitted.

<b>Date Submitted:</b>	12-Sep-08						
<b>Submitted/Prepared by:</b>	Stephanie Munyal, Environmental Advisor (DLE 5-3)						
<b>Contact Information:</b>	<table border="1"> <tr> <td><b>Tel:</b></td> <td>613-947-6419</td> </tr> <tr> <td><b>Fax:</b></td> <td>613-996-6787</td> </tr> <tr> <td><b>email:</b></td> <td><a href="mailto:munyal.s@forces.gc.ca">munyal.s@forces.gc.ca</a></td> </tr> </table>	<b>Tel:</b>	613-947-6419	<b>Fax:</b>	613-996-6787	<b>email:</b>	<a href="mailto:munyal.s@forces.gc.ca">munyal.s@forces.gc.ca</a>
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