

NWB Annual Report

Year being reported: 2012 ▼

License No: 3BC-ALT1015 **Issued Date:** August 4, 2010
Expiry Date: July 31, 2015

Project Name: Canadian Forces Station (CFS) Alert, Nunavut

Licensee: Department of National Defence - 1 Canadian Air Division

Mailing Address: A4 Construction Engineering
 Department of National Defence - 1 Canadian Air Division
 PO Box 17000, STN Forces, Winnipeg, MB, R3J 3Y5

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

8 Wing Environmental Management
 Room 308, Building 22, 74 Polaris Ave.
 Department of National Defence - 8 Wing/ CFB Trenton
 Box 1000, Stn Forces
 Astra, Ontario, K0K 3W0

General Background Information on the Project (*optional):

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

Part B ▼ Item 1 ▼

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):	Upper Dumbell Lake, Nunavut.	
Water Quantity:	185	Quantity Allowable Domestic (cu.m)
	110	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:

Landfarm

Additional Details:

Appendix A: Monitoring Program Station No. ALT-1
 Appendix B: Monitoring Program Stations No. ALT-2 & ALT-3
 Appendix C: Monitoring Program Stations No. ALT-4-5-6-7
 Appendix D: Monitoring Program Stations No. ALT-8-9-10-11
 Appendix E: June Analysis Results for ALT-4-5-6-7-8-9-10-11

Appendix D: Monitoring Program Stations for ALT-4-5-6-7-8-9-10-11
 Appendix E: June Analysis Results for ALT-4-5-6-7-8-9-10-11
 Appendix F: July Analysis Results for ALT-4
 Appendix G: List of Waste Disposal Activities
 Appendix H: Progressive and Final Reclamation Work Undertaken

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)

No impacts to water. Jet Propulsion 8 (JP-8) fuel was unintentionally vented from the starboard wing of a CC-130 aircraft while turning during taxiing at CFS Alert's airport ramp area Spot#1. The vent valve switch equipment was determined to be malfunctioning. Spill site is located approximately 200 metres west of Dumbell Bay. The spill site was continuously monitored by station personnel. Approx. 300 L were spilled where 285 L were recovered and disposed by incineration. Absorbent pads were deployed to collect fuel and placed into drums for incineration. Contamination of snow and ice resulted from spill and were excavated by heavy machinery and hand tools; all recovered materials were placed into barrels. The materials in the barrels were then incinerated in CFS Alert's incinerator facility during normal operations. A follow up visual inspection of Spot#1 was conducted in summer 2012, there were no visual contamination of ground material or any concerns identified.

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:

There are no sites in Alert that are abandoned, planned for abandonment, or planned for restoration.

Progressive Reclamation Work Undertaken

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

See Appendix H.

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;

Details described below



Additional Details:

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:

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)

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)

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)

Any additional comments or information for the Board to consider

--

Date Submitted:

March 31, 2013

Submitted/Prepared by:

Andrew Tam, MSc, PhD (Candidate)

Contact Information:**Tel:** 613-392-2811 x4821**Fax:** 613-965-3368**email:** andrew.tam@forces.gc.ca

GPS Coordinates for water sources utilized

Source Description	Latitude			Longitude		
	° Deg	' Min	" Sec	° Deg	' Min	" Sec
Upper Dumbell Lake	82	29	6.2	-62	28	9.5

GPS Locations of areas of waste disposal

Location Description (type)	Latitude			Longitude		
	° Deg	' Min	" Sec	° Deg	' Min	" Sec
Alert Battery Dump	82	29	16	-62	23	15.32
Alert Main Station Landfill	82	30	17	-62	20	14.89
Alert Dump # 3	82	29	18	-62	20	57.01
Landfarm	82	30	40	-62	18	37.6
Millionaire's Dump	82	29	19	-62	21	30.4
Sewage Terrace/Outfall	82	29	56	-62	21	4.8