

NWB Annual Report

Year being reported: 2017 ▼

License No: 8AC-ALT---- Issued Date: August 4, 2010
Expiry Date: July 31, 2015

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

Licensee: Department of National Defence - Real Property Operations-ADM(IE)

Mailing Address: Real Property Operations Group
Department of National Defence
Assistant Deputy Minister (Infrastructure & Environment)
101 Col 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):

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):

Under Renewal & Amendment: 8AC-ALT---- Type A
(formerly 8BC-ALT1015 Type B).

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)
	546	Actual Quantity Used Domestic (cu.m)
		Quantity Allowable Drilling (cu.m)
		Total Quantity Used Drilling (cu.m)

Waste Management and/or Disposal

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

Landfarms

Additional Details:

Appendix A: Monitoring Program Station No. ALT-1
Appendix B: Monitoring Program Stations No. ALT-2-3
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-4-8-9-10
 Appendix F: July Analysis Results for ALT-4
 Appendix G: List of Waste Disposal Activities / Copies of Movement Documents
 Appendix H: Progressive and Final Reclamation Work Undertaken
 Appendix I: Compliance Plan

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)

On July 28, 2017, an accidental release during maintenance of the carbon dioxide fire suppression system occurred at CFS Alert. The system discharged 12.45 cubic metres of CO₂ into the atmosphere; DND was unable to recover the gas. DND immediately reported this spill to the NT-NU Spill Report Line, INAC and ECCC.

Revisions to the Spill Contingency Plan

SCP submitted and approved - no revision required or proposed ▼

Additional Details:

No revisions required.

Revisions to the Abandonment and Restoration Plan

AR plan submitted and approved - no revision required or proposed ▼

Additional Details:

No revisions required.

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

Inspection Report received by the Licensee (Date):



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

INAC Water Licence June 24, 2017, Inspection Report received on November 29, 2017. As requested, the Compliance Plan is included as Appendix I of this 2017 Annual Report.

Any additional comments or information for the Board to consider

At the time of this Annual Report submission, DND has submitted a Water Licence amendment/renewal application. The Annual Report was prepared according the former 3BC-ALT1015 Water Licence.

Date Submitted:

March 31, 2018

Submitted/Prepared by:

Andrew Tam, PhD

Contact Information:

Tel: 613-965-3930

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 (ALT-11)	82	30	40	-62	18	37.6
Millionaire's Dump	82	29	19	-62	21	30.4
Sewage Terrace/Outf all	82	29	56	-62	21	4.8
Landfarm (ALT-10, new)	82	29	58	-62	21	16