NWB Annual	Report	Year being reported: 2011 ▼							
License No:	3BC-ALT1015	Issued Date: August 4, 2010							
		Expiry Date: July 31, 2015							
	Project Name:	Canadian Forces Station (CFS) Alert, Nunavut							
	Licensee: D	epartment of National Defence - 1 Canadian Air Division							
	Mailing Addres	A4 Construction Engineering Department of National Defence - 1 Canadian Air Division PO Box 17000, STN Forces, Winnipeg, MB, R3J 3Y5							
	-	any filing Annual Report (if different from Name of Licensee please clarify							
	relationship between the two entities, if applicable): 8 Wing Environmental Management								
		ding 22, 74 Polaris Ave.							
		National Defence - 8 Wing/ CFB Trenton							
	Box 1000, Stn F Astra, Ontario, k								
	Astra, Ontano, i	tort 3000							
General Back	kground Informa	ation on the Project (*optional):							
[
Licence Requith	uirements: the l	icensee must provide the following information in accodance							
A summary r	eport of water u	se and waste disposal activities, including, but not limited to: methods of							
	iter; sewage and	d greywater management; drill waste management; solid and hazardous							
Waste manag	Water Source(s)	Upper Dumbell Lake, Nunavut.							
	Water Quantity:	185 Quantity Allowable Domestic (cu.m)							
	Trato: Quantity:	155 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 Wast	e Disposal							
	✓ Sewage								
	Drill Waste								
	✓ Greywater✓ Hazardous								
	✓ Other:	Landfarm							
	Additional Detail								
		nitoring Program Station No. ALT-1							
		nitoring Program Station No. ALT-1							
		nitoring Program Stations No. ALT-4-5-6-7							
		nitoring Program Stations No. ALT-8-9-10							
		pitoring Program Station No. At T-11							

	Appointed B. Montoning Lington Stations (10.7) ET 0 0 10					
	Appendix E: Monitoring Program Station No. ALT-11					
	Appendix F: Scaled Site Map Detailing the Location of Each Monitoring Point					
	Appendix G: List of Waste Disposal Activities Appendix H: Progressive and Final Reclamation Work Undertaken					
	Appendix 1: Follow Up on Inspection/Compliance Reports					
	Appendix I. I ollow op on mopeotion/compilance reports					
A list of una	outhorized discharges and a summary of follow-up actions taken.					
	Spill No.: 1 (as reported to the Spill Hot-line)					
	Date of Spill: April 13, 2011					
	Date of Notification to an Inspector: April 13, 2011					
	Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)					
	No impacts to water. The Ultra-Low Sulphur Diesel dispensing pump equipment was					
	determined to be faulty. Spill site is located approximately 300 metres west of					
	Dumbell Bay. Approx. 260 L were spilled where 230 L were recovered and disposed					
	by incineration. Absorbent pads were deployed to collect fuel and placed into drums for incineration. Contamination of gravel resulted from spill. The spill site was					
	continuously monitored by station personnel. Excavation of 49 cubic metres of					
	contaminated gravel was conducted in Summer 2011 and placed into the landfarm					
	facility for treatment. The concentration of fuel (F2 hydrcarbon fraction) in the					
	excavated contaminated material entering the LandFarm Treatment Facility was 790					
	ug/g (ppm; see Appendix G). The faulty dispensing pump equipment was					
	disconnected and entirely replaced with new equipment in Summer 2011. Filling of					
	excavation site used fresh gravel from Alert Quarry.					
Povisions to	o the Spill Contingency Plan					
verisions to	SCP submitted and approved - no revision required or proposed					
	Ser submitted and approved a no revision required or proposed					
	Additional Details:					
5	office All and I amount and I Department of a Disco					
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					
	Additional Details:					
	Additional Details: There are no sites in Alert that are abandoned, planned for abandonment, or planned					
Dungung in the	Additional Details: There are no sites in Alert that are abandoned, planned for abandonment, or planned for restoration.					
Progressive	Additional Details: There are no sites in Alert that are abandoned, planned for abandonment, or planned for restoration. Reclamation Work Undertaken					
Progressive	Additional Details: There are no sites in Alert that are abandoned, planned for abandonment, or planned for restoration. Reclamation Work Undertaken Additional Details (i.e., work completed and future works proposed)					
Progressive	Additional Details: There are no sites in Alert that are abandoned, planned for abandonment, or planned for restoration. Reclamation Work Undertaken					
Progressive	Additional Details: There are no sites in Alert that are abandoned, planned for abandonment, or planned for restoration. 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 longit location where sources of water are utilized;	ude) of each
	Details described below	
	Additional Details:	_
	The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longit location where wastes associated with the licence are deposited; Details described below	ude) of each ▼
	Additional Details:	
	Results of any additional sampling and/or analysis that was requested by an Ir	spector
	Additional sampling requested by an Inspector or the Board (See below)	7
	Additional Details: (date of request, analysis of results, data attached, etc) CFS Alert was inspected by Aboriginal Affairs and Northern Development Canada (formerly INAC) on July 20-21, 2011; the Inspector issued an Inspector's Direction to fulfill sampling of ALT-3 for the entire month of August. Corrective action was taken immediately, further information in Appendix I and the directed sampling results/analysis are included in Appendix B.	
Any other de	etails on water use or waste disposal requested by the Board by November 1 of ted.	the year
	No additional sampling requested by an Inspector or the Board	7
	Additional Details: (Attached or provided below)	
Any respons	ses or follow-up actions on inspection/compliance reports	
any recipoliti	Inspection Report received by the Licensee (Date):	•
	Additional Details: (Dates of Report, Follow-up by the Licensee) The 2011 Inspection Report (Water Use Inspection) from AANDC was received on behalf of the Licensee representatives on 29 July 2011. Please see Appendix I.	

Any additional comments or information for the Board to consider					
This is CFS Alert's second annual rep	port submission for 3BC-ALT1015.				

Date Submitted: March 31, 2012

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

	Latitude			Longitude		
Source Description	o Deg	, Min	, Sec	o Deg	, Min	, Sec
Upper						
Dumbell						
Lake	82	29	6.2	-62	28	9.5

GPS Locations of areas of waste disposal

Location	Lati	tude			9	
Description (type)	бөд о	, Min	, Sec	o 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	82			-62		30.4
Dump		29	19		21	
Sewage	82	29	56	-62	21	4.8
Terrace/Outf						
all						