



WATER LICENCE INSPECTION FORM

☒ Original
☐ Follow-Up Report

Licensee		Licensee Representative	
James S. Kennedy Deputy Director General Northern Watch Technology Demonstration Project Defence Research and Development Canada – Atlantic 9 Grove Street, PO Box 1012 Dartmouth, Nova Scotia, B2Y 3Z7 Email: Jim.Kennedy@forces.gc.ca		None at time of Inspection	
Licence No. / Expiry		Representative's Title	
3BC-NWT1113 Exp. Sept 30, 2013		NA	
Land / Other Authorizations		Land / Other Authorizations	
058E12001			
Date of Inspection		Inspector	
09/07/2014		A.Keim	
Activities Inspected			
☒ Camp ☐ Drilling ☐ Mining ☐ Construction ☐ Reclamation ☒ Fuel Storage ☐ Roads/Hauling ☐ Other: Water Discharge ☐ Other:			

Conditions:		A - Acceptable		C - Concern		U - Unacceptable		NA – Not Applicable		NI – Not Inspected	
Water Use		Condition	Comment	Site Conditions		Condition	Comment	Haz/Mat Management		Condition	Comment
Intake/Screen	NI			Water Management Structures	NA			Storage	NI		
Flow Measure. Device	NA			Culverts / Bridges	NA			Spills	U	2	
Source: Melt Water Stream				Drainage	NA			Spill Plan	A		
Water Use:	NA			Erosion / Sediment	NA						
Recirculation (y /n)	N			Mitigation Measures	NA			Administrative			
				Reclamation Activities	NA			Records	A		
				Materials Storage	A			Reports	A		
Waste Disposal				Signage	A			Plans	A		
Waste Water	NA			Site condition		1		Notifications	A		
Solid Waste	C	1		Monitoring				Other			
Hazardous Waste	NI			Sample Collection / Analysis	NA			Actions required			3
*The number in the comments field will correspond with specific comments provided below.											
Samples taken by Inspector:				Location(s):							
☐ Yes ☒ No											

SECTION 1	☒ Comments (s. __)	☐ Non-Compliance with Act or Licence (s. __)	☐ Action Required (s. __)
On July 9,2014 a water License inspection was conducted at the Northern Watch Technology Demonstration Project site located on Devon Island, within the Qikiqtani Region, Nunavut generally located at the following geographical coordinates; Latitude: 74°39’ 40” N Longitude: 91°16’40”W (Existing camp). Water Use: As per the 2013 Annual Report the site had not seen any visitation except for 1 half day in August of 2013. It is unclear if the site has been monitored or visited in 2014. Waste Disposal: As per the 2013 Annual Report the site had not seen any visitation except for 1 half day in August of 2013. It is unclear if the site has been monitored or visited in 2014. Site Conditions: During the Period of Inspection some windblown garbage and debris was found littering the camp site and surrounding area. This material it appears came from a garbage can not removed from camp during the last site visit and may have been used during target practice. All Plywood buildings except for one were found to have plywood over their doors and to have been properly secured from entry. A faint beeping noise was heard from one of the newer buildings. The large weather haven structure on site has seen better days and may require some repairs. It is unclear if the outer canvas shell was			

removed earlier or if this occurred over the last winter while the site was unoccupied.

During the period of inspection each of the buildings was checked for security and to determine if any damage or fuel leaks had occurred since the last inspection. Upon going to the North (island Facing) side of the large main building the Inspector found that a large tank containing fuel had (it appears) buckled under the weight of the fuel and had leaked 10-30 l of heating fuel onto the ground below the tank and possibly under the building. This was reported to the contact listed in the annual report on July 17th, 2014 at the first opportunity of the Inspector. It is unclear when the last inspection of the site by the operator/owner was. Given that fuel is to be kept on site a system of monitoring of this fuel should be put in place to prevent and detect leaks.

Administration:

A 2013 Annual report was located on the Nunavut Water Boards FTP site. This report indicated that the site was visited for one half day in 2013.

SECTION 2

☐ Comments (s. __)

☒ Non-Compliance with Act or Licence (s. __)

☐ Action Required (s. __)

Contrary to Section 12 (1b) of the Nunavut Water and Nunavut Surface Rights Tribunal Act, the Licensee did deposit waste (fuel oil) in any other place in Nunavut under conditions in which the waste, or any other waste that results from the deposit of that waste, may enter waters in Nunavut.

SECTION 3

☐ Comments (s. __)

☐ Non-Compliance with Act or Licence, (s. __)

☒ Action Required (s. __)

The Licensee shall ensure compliance with the issued Water License by employing the conditions set out in Part G Conditions applying to Spill Contingency Planning and implementation of Item 4 of that Part. Specifically;

1. Implement the Spill Contingency Plan, dated March 1st , 2011 as per Part G item 2 of the Water License.

2. Report the Spill as detailed in the Plan

3. Within 30 days provide the Inspector;

a. a detailed report that will include the amount and type of spilled product,

b. the GPS location of the spill,

c. and detail the measures taken to contain and clean up the spill site.

Photo Log

Date	Authorization	Camera	Inspector
July 9, 2014	3BC-NWT1113	Sony Cyber shot	A. Keim



Figure 1Main gate at facility



Figure 2 Main hall or mess building



Figure 3 Weather-haven type structure -storage



Figure 4 Fuel tank behind main building



Figure 5 Fuel tank note buckled top Note rivets not welds



Figure 6 Tank secured to building using metal round ,, note fuel staining



Figure 7 Buckling at opposite end



Figure 8 Fuel storage in secondary containment



Figure 9 Secondary containment



Figure 10 Fuel tank outside one of the buildings. Joints are wrapped

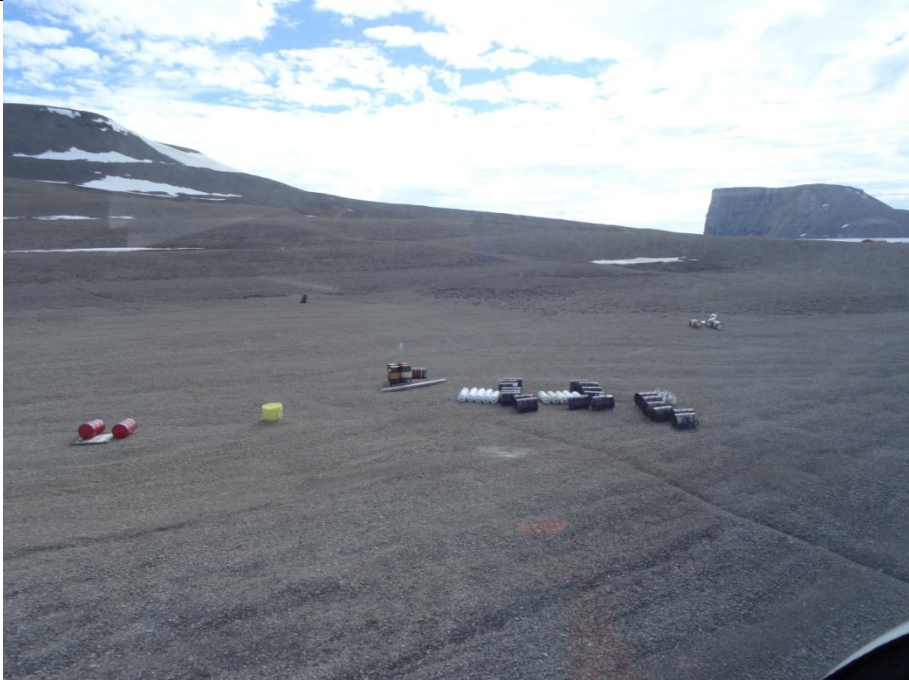


Figure 11Fuel found at airstrip without secondary containment. No spills noted at the time of Inspection.

Licensee or Representative	Inspector's Name
	Andrew Keim
Signature	Signature
	Sent by E-mail- Original on File
Date	Date
	17/7/2014

Office Use Only:	Follow-up report to be issued by Inspector	☐ Yes ☒ No
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