



WATER LICENCE INSPECTION FORM

Original
 Follow-Up Report

Licensee Raytheon Canada Ltd/DND	Licensee Representative Don Beattie
Licence No. / Expiry 3BC-CAM0919	Representative's Title Environmental Officer
Land / Other Authorizations 3 associated Spill Files: 15-385, 16-129 & 17-196	
Date of Inspection July 5, 2017	Inspector Baba Pedersen
Activities Inspected	
<input type="checkbox"/> Camp <input type="checkbox"/> Drilling <input type="checkbox"/> Mining <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Reclamation <input checked="" type="checkbox"/> Fuel Storage <input type="checkbox"/> Roads/Hauling <input checked="" type="checkbox"/> Other: Fuel Spills <input checked="" type="checkbox"/> Other: Operational NWS Site	

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	A		Water Management Structures			Storage	C	4
Flow Measure. Device	C	2	Culverts / Bridges	A		Spills	A	6 & 7
Source:	A		Drainage	A		Spill Plan	C	5
Water Use:	C	2	Erosion / Sediment					
Recirculation (y /n)			Mitigation Measures	A		Administrative		
			Reclamation Activities	A		Records	C	2 & 3
			Materials Storage	A		Reports	A	
Waste Disposal			Signage	C	1	Plans	A	
Waste Water	C	3				Notifications	A	
Solid Waste	A		Monitoring			Other		
Hazardous Waste	A		Sample Collection / Analysis	A				

**The number in the comments field will correspond with specific comments provided below.*

Samples taken by Inspector:	Location(s):
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

SECTION 1 **Comments (s.)** **Non-Compliance with Act or Licence (s.)** **Action Required (s.)**

I inspected the Water License 3BC-CAM0919 and 3 associated Spills (#15-385, #16-129 & #17-196) on the 5th & 7th of July 2017. All of these are located on the CAM Main NWS Site in Cambridge Bay, Nunavut. I was accompanied by Don Beattie, Environmental Officer with Raytheon Canada Ltd and Paul Phillips, NWS Zone Manager with Canadian Base Operators.

SECTION 2 **Comments** **Non-Compliance with Act or Licence** **Action Required**

1. There was no Signage to indicate where Sample Station CDL-1 (Photo 1) at the Water Lake Intake (N69*06'51.3" W105*07'21.9") and the CDL-2 (Photo 2) Final Discharge Monitoring Station (N69*07'03.1" W105*07'11.7") where.
2. Total consumption of Water Use was hard to determine as not all usage (ie: Domestic, Roads, Fire & Washing of Vehicles) is metered.
3. There were no accurate records of Actual Discharge at the CDL-2 Monitoring Station.
4. 2 Fuel Line Valves just outside the Beach Tanks Berm (Photo 3) were not secured.
5. The above ground Fuel Pipeline directly behind the Hanger (Photos 4 & 5) is a major concern for a possible Fuel Spill entering the Ocean near the West Arm as it is a mere few feet away from the edge of the hill.
6. Spill #17-196 (Photos 6 to 10) has all been excavated with no signs of any further fuel on the ground. Excavated materials consisted of 47 drums of Fuel/Water mix, 122 Mega Bags of impacted Soils, 42 salvage drums of impacted Soils and 4 salvage Drums of Absorbent Pads & Booms currently being safely stored on site.
7. Spill #15-385 (3 Ltrs Glycol)(Photo 11) and Spill #16-129 (96 Ltrs Glycol/Water mixture)(Photo 12) have both been Cleaned Up satisfactorily and all waste shipped off site.

SECTION 3 **Comments** **Non-Compliance with Act or Licence** **Action Required**

1. Appropriate Signage must be installed at Sample Stations CDL-1 & CDL-2 prior to July 2018.
2. All water consumption must be metered and recorded so volumes are readily available when requested by the Inspector.
3. An accurate measuring system must be installed at Sample Station CDL-2 to allow for actual discharge volume data to be provided to the Inspector on request.
4. Padlocks need to be installed on the 2 Pipeline Valves just outside the Beach Tanks Berm.
5. It is strongly suggested that the Fuel Pipeline behind the Hanger be relocated as to not pose a direct threat of a spill entering the ocean.
6. Spill #17-196 needs to be backfilled after Test Results are confirmed positive and all stored materials need to be either treated or sent off site for treatment. Confirmation of this must be provided to the Inspector when completed. Spill #17-196 will be inspected again during the next Site Visit.
7. I recommend Closure of both Spill #15-385 and Spill #16-129.



Licensee or Representative	Inspector's Name Baba Pedersen
Signature	Signature <i>Signed Original on File</i>
Date	Date 2017 Nov 21

Office Use Only: Follow-up report to be issued by Inspector <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

CC: licensing@nwb-oen.ca
Erik Allain, Manager of Field Operations, INAC



PHOTO LOG

Date	Camera	Inspector	Authorization
2017 July 5		Baba Pedersen	3BC-CAM0919

Photo Log # DSC09278 Location CAM-M NWS Site

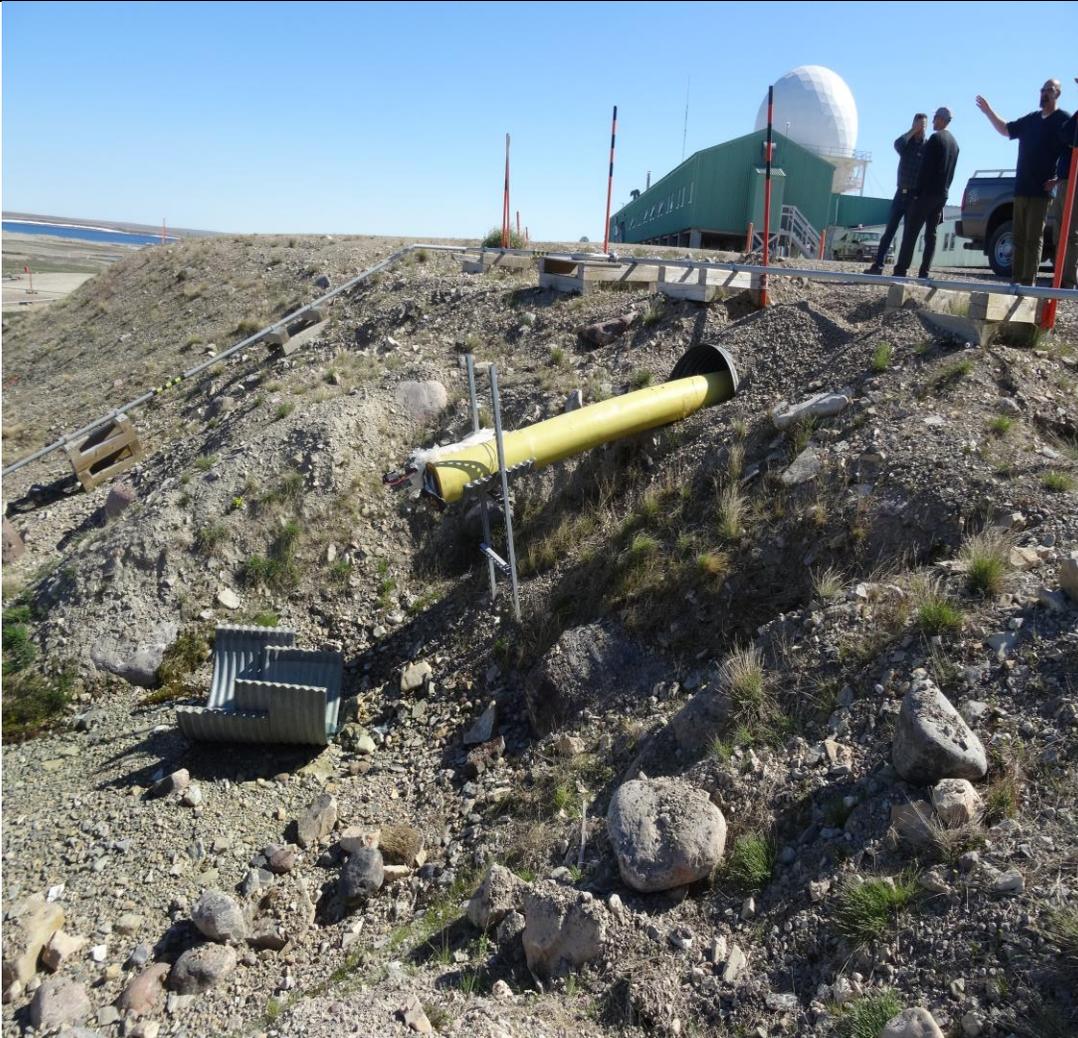
Photo 1



Description: No Signage at Sample Station CDL-1, Raw Water Intake

Photo Log # DSC09290 Location CAM-M NWS Site

Photo 2



Description: No Signage at Sample Station CDL-2, End of Pipe Final Discharge



Photo Log # DSC09346

Location CAM-M NWS Site

Photo 3



Description: 2 Unsecured Pipeline Valves beside Beach Tanks Pump House

Photo Log # DSC09394

Location CAM-M NWS Site

Photo 4



Description: Fuel Pipeline behind Hanger Building a few feet away from edge of hill going down to the ocean



Photo Log # DSC09402

Location CAM-M NWS Site

Photo 5



Description: Fuel Pipeline behind Hanger Building a few feet away from edge of hill going down to the ocean

Photo Log # DSC09258

Location CAM-M NWS Site

Photo 6



Description: Spill #17-196 some of the Waste Drums in Storage area



Photo Log # DSC09269

Location CAM-M NWS Site

Photo 7



Description: Spill #17-196 some of the Mega Bags and Waste Drums in Storage area

Photo Log # DSC09355

Location CAM-M Beach Tanks area

Photo 8



Description: Spill #17-196 Mega Bags waiting to be moved to temporary storage area from Spill Site



Photo Log # DSC09361

Location CAM-M Beach Tanks area

Photo 9



Description: Spill #17-196 effected Spill area near Beach Tanks area

Photo Log # DSC09379

Location CAM-M Beach Tanks area

Photo 10



Description: Spill #17-196 effected Spill area near Beach Tanks area



Photo Log # DSC09802

Location CAM-M NWS Site

Photo 11



Description: Spill #15-385 cleaned up and excavated area underneath Power Plant Building on CAM-M NWS Site

Photo Log # DSC09807

Location CAM-M NWS Site

Photo 12



Description: Spill #16-129 cleaned up and excavated area underneath Power Plant Building on CAM-M NWS Site