



WATER LICENCE INSPECTION FORM

Original
 Follow-Up Report

Licensee	Licensee Representative				
Canadian Arctic Holidays	Richard Weber				
Licence No. / Expiry	Representative's Title				
7BL-AWL1722	Owner/ Operator				
Land / Other Authorizations	Land / Other Authorizations				
N2013J0013 expired.	Lease 58F/2-1-2				
Date of Inspection	Inspector				
July 9, 2019	Joseph Monteith				
Activities Inspected					
<input type="checkbox"/> Camp	<input type="checkbox"/> Drilling	<input type="checkbox"/> Mining	<input type="checkbox"/> Construction	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Fuel Storage
<input type="checkbox"/> Roads/Hauling	<input checked="" type="checkbox"/> Other:	<input type="checkbox"/> Other:			

Conditions:	A- Acceptable	U-Unacceptable	C-Concern	NI-Not Inspected	NA- Not applicable
PART:			Condition	Observation No.*	
A: SCOPE, DEFINITIONS AND ENFORCEMENT			A		
B: GENERAL CONDITIONS			A		
C: CONDITIONS APPLYING TO SECURITY			NI		
D: CONDITIONS APPLYING TO WATER USE			A	1-6	
E: CONDITIONS APPLYING TO WASTE DISPOSAL AND MANAGEMENT			A	7-14	
F: CONDITIONS APPLYING TO MODIFICATIONS			NI		
G: CONDITIONS APPLYING TO CONSTRUCTION			NI		
H: CONDITIONS APPLYING TO EMERGENCY RESPONSE AND CONTINGENCY PLANNING			A		
I: CONDITIONS APPLYING TO ABANDONMENT, RECLAMATION AND CLOSURE PLANNING			NA		
J: CONDITIONS APPLYING TO MONITORING			A		
SCHEDULES			A		
<i>*The observation number corresponds with specific comments provided below.</i>					
Samples taken by Inspector:		Location(s): camp: N74 04 12.0 W93 48 36.0			
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Fuel cache at airstrip: N74 04 16.1 W93 47 02.9			

SECTION 1	<input type="checkbox"/> Comments (s. __)	<input type="checkbox"/> Non-Compliance with Act or Licence (s. __)	<input type="checkbox"/> Action Required (s. __)
BACKGROUND			
The Arctic Watch Lodge, owned and operated by Canadian Arctic Holding Ltd. (the Licensee or Proponent), is situated on Somerset Island, approximately eighty (80) kilometres south of Resolute Bay, in the Qikiqtani Region, Nunavut. In 2010, the NWB issued a Type "B" water licence to the Proponent of the facility to allow for the use of water and deposit of waste in support of the facility, which is used for recreational purposes. Following the expiry of this licence on June 21, 2015, the NWB issued an Approval – Without – A – Licence (No. 8WLC-AWL1015) for the Proponent to continue to use water and deposit waste in support of the facility. As the Approval Without A Licence No. 8WLC-AWL1015 expired on June 20, 2016 and the stated intentions of the Proponent is to continue operating the facility for the foreseeable future, the Licensee submitted for the Board's consideration an application to renew the Type "B" water licence. However, because the Type "B" Water Licence No. 7BL-AWL1015 was cancelled following its expiry in 2015, the Board decided to consider the renewal application as application to replace the licence.			
Inspector Statement			
On July 9, 2019, an Inspection was conducted at Canadian Arctic Holiday's Arctic Watch Lodge at Cunningham Inlet, Somerset Island, NU for water licence 7BL-AWL1819.			
General Condition			
On February 15, 2019 Ida Porter, Licence Administrator, Nunavut Water Board, emailed Water Resource Officer(WRO) Joseph Monteith a copy of the 2018 Annual Report as a requirement of Part B, Item 2 of the current water licence.			
Copy of Water licence posted up at site (photo 19).			
Water Use			
1. Water withdrawn from the Cunningham River which flows 5 metres below the camp as the camp is situated on an ancient river bed (photo1).			



2. Water intake hose has a fish mesh screen (photo 6).
3. Three 100 Gallon Water Storage Tanks, and one 500 Gallon Water Storage (photo 7).
4. No flow metre, recorded in log book on each fill up of tank.
5. Log book indicates below 5m³ withdrawal of water from the Cunningham River. (photo)
6. 3 water storage tanks. 1-500 Gallon, and 3-100 Gallon water storage tanks (photo)
7. 2 x washing tubs (photo 11).
8. Water meter photographed on July 9, 2019 showing 13613 US Gallons withdrawn (Photo 13).
9. Water meter photographed, and sent in on August 31, 2019 showing 63111 US Gallons withdrawn (Photo 14).

Waste Disposal

10. Sump Pit (Photo12)
11. Forced Air Incinerator (Photo16)
12. Bulk Metals and Solid Wastes are left on site, and flown to Yellowknife for proper disposal at the City Land Fill. (Photo 9 & 10). Old incinerator (photo 8).
13. A Mobile Sewage Tank Stored within 31 metres of a water body. This runs contrary to Part D: Item 1 Conditions Applying to Waste Disposal (photo 18).
14. Waste in drums at incinerator (photo 17).

Record Keeping

15. On August 31, 2019 WRO Monteith received an email from Richard Weber, Operator of Arctic Watch, Cunningham Inlet, NU, with a photograph of a water metre reading measured in US Gallons at 63111Gallons (Photo 14) also a word document titled "Arctic Watch Garbage & Water Log 2019"(photo 20). The document contained the dates of the garbage log. The document also had a sentence regarding the amount of water used at 63111 Gallons used between June 15 and August 20, 2019. With a calculation of use per day at 3.6 m³ the licensee is authorized for 5 m³ per day.

Fuel Cache

The fuel caches secondary containment appears to have walls flush with the surrounding environment. They might have an inch or two of containment ability. But, may not be 10% greater than the capacity of the largest fuel container.

16. Fuel Cache #1 by the airstrip on IOL (photo 2, 3, 4 & 5).
17. Fuel Cache #2 within 31 metre of fresh water. Secondary containment flush with the surrounding environment. (Photo 2, 4, & 5).
18. Fuel Transfer Area, in secondary containment (Photo 16 & 17).

Spill Reports

No spill reports have come out of this site. Signs of spills were observed in the ATV tent (photo 15). This runs contrary to Part H: Item 6 of the water licence.

SECTION 2	<input type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input checked="" type="checkbox"/> Action Required
-Report all spills as per the water licence requirements -Do not store mobile sewage storage tank within 31 metres of any water body -Remove the bulk metal and incinerator as those sites are no longer covered under a land use permit, and should have been removed before the expiry of the Land Use Permit. Provide a time line when this non-compliance with the permit will be corrected. -Calculate and articulate how the secondary containment observed under photos is able to contain a minimum of 110% of the original vessel, and 10% of the aggregate volume of all other vessels located in the containment. If it doesn't match the definition of secondary containment, install a proper secondary containment.			

SECTION 3	<input type="checkbox"/> Comments	<input checked="" type="checkbox"/> Non-Compliance with Act or Licence	<input type="checkbox"/> Action Required
Part H: CONDITIONS APPLYING TO SPILL CONTINGENCY PLANNING 6. The Licensee shall, in addition to Part H, Item 5, regardless of the quantity of releases of harmful substances, report to the NWT/NU Spill Line if the release is near or into a Water body.			

PART D: CONDITIONS APPLYING TO WASTE DISPOSAL

1. The Licensee shall locate areas designated for waste disposal at a minimum distance of thirty-one (31) metres from the ordinary High Water Mark of any water body such that the quality, quantity or flow of water is not impaired, unless otherwise approved by the Board in writing.

Part A: Item 2 Definitions

**2. Definitions**

“Secondary Containment” means an impermeable structure, external to and separate from primary containment, which prevents unplanned spills of hazardous materials and provides a minimum capacity of 110% of the original vessel. Where multiple vessels are stored within the containment, it must provide a minimum capacity equal to the sum of the largest vessel and 10% of the aggregate volume of all other vessels located in the containment. This structure shall also provide containment and control of hoses and nozzles

Licensee or Representative	Inspector's Name
	Joseph Monteith
Signature	Signature
Date	Date
	December 16, 2019

CC: Licensing Department, NWB
Justin Hack, Manager of Field Operations, CIRNAC

PHOTO LOG

Date	Camera	Inspector
July 9, 2019	Nikon Cool Pix	Joseph Monteith
Photo Log #		Location
Photo 1		Arctic Watch Cunningham inlet
		
Description: 2018 photo of site - 22 buildings plus, 1 building with 3 sections. Cunningham River, and Cunningham inlet in the background		



Photo Log #

Photo 2

Location

Arctic Watch Cunningham inlet



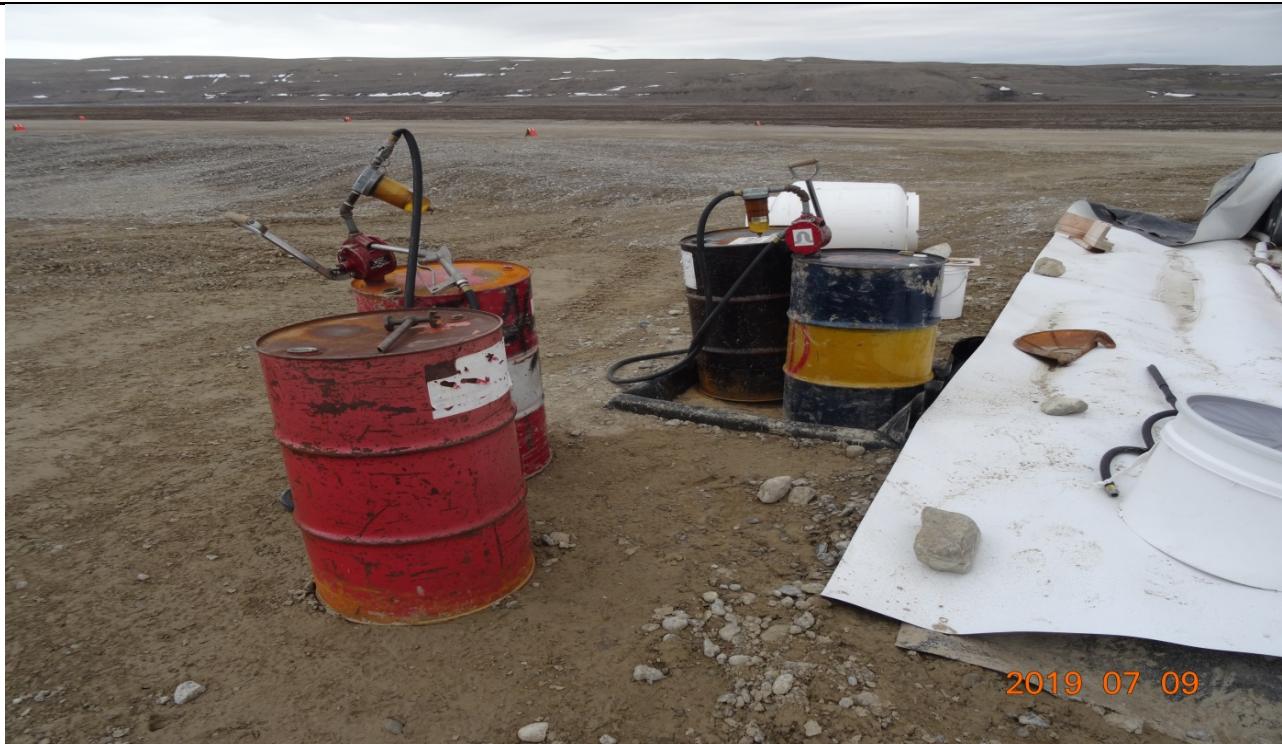
Description: Fuel Cache secondary containment walls are flush with the surrounding landscape. 19 barrels on top of liner. Also a fuel transfer station.

Photo Log #

Photo 3

Location

Arctic Watch Cunningham inlet



Description: Fuel Cache within 31 metres of the high water mark of any water body.



Photo Log #	Location
Photo 4	Arctic Watch Cunningham inlet
 2019 07 09	

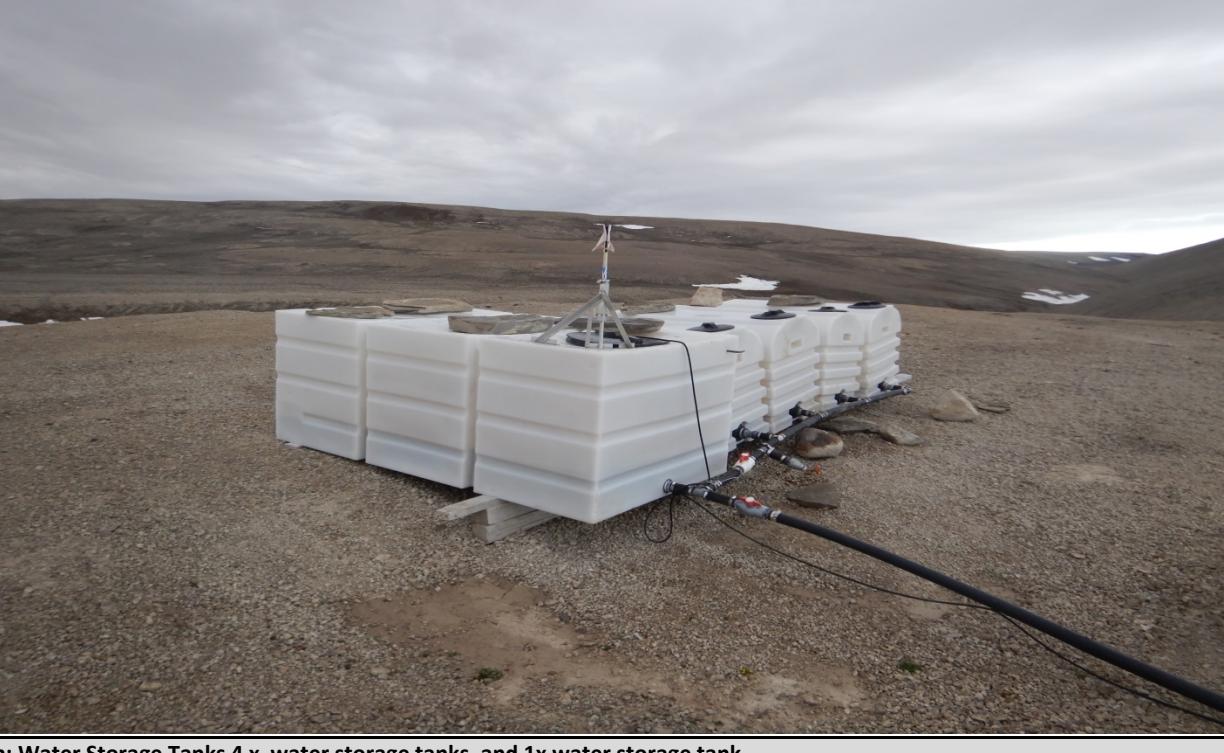
Description: hazardous waste ontop of liner, but on the outer edges. Secondary containment would not keep hazardous waste in.

Photo Log #	Location
Photo 5	Arctic Watch Cunningham inlet
 Description: Fuel Cache within 31 metres of the high water mark and outside of secondary containment	



Photo Log #	Location
Photo 6	Arctic Watch Cunningham inlet
	

Description: Water withdrawal site. Fish Mesh Screen visible

Photo Log #	Location
Photo 7	Arctic Watch Cunningham inlet
	

Description: Water Storage Tanks 4 x water storage tanks, and 1x water storage tank



Photo Log #

Photo 8

Location

Arctic Watch Cunningham inlet



Description: old incinerator

Photo Log #

Photo 9

Location

Arctic Watch Cunningham inlet



Description: Solid Waste, bulk metal



Photo Log #	Location
Photo 10	Arctic Watch Cunningham inlet

Description: Solid Waste

Photo Log #	Location
Photo 11	Arctic Watch Cunningham inlet

Description: 2 x washing stations. Grey water.



Photo Log #	Location
Photo 12	Arctic Watch - Cunningham inlet
	

Description: 2 sump pits.

Photo Log #	Location
Photo 13	Arctic watch – Cunningham Inlet
	

Description: DAE Water Meter reads 13613 US Gallons



Photo Log #

Photo 14

Location

Arctic watch – Cunningham Inlet



Description: Photo of Water Meter sent to WRO Monteith on Aug. 31, 2019, showing 63111 US Gallons withdrawn.

Photo Log #

Photo 15

Location

Arctic watch – Cunningham Inlet



Description: Vehicle Maintenance Tent. Flooring is ply wood, and rubber mat. Sign of spills.



Photo Log #	Location
Photo 16	Arctic watch – Cunningham Inlet
	

Description: Fuel Transfer Station in secondary containment. 2 x fuel filters, and fuel pump.

Photo Log #	Location
Photo 17	Arctic watch – Cunningham Inlet
 <p>2019 07 09</p>	

Description: Incinerator and waste drums



Photo Log #

Photo 18

Location

Arctic watch – Cunningham Inlet



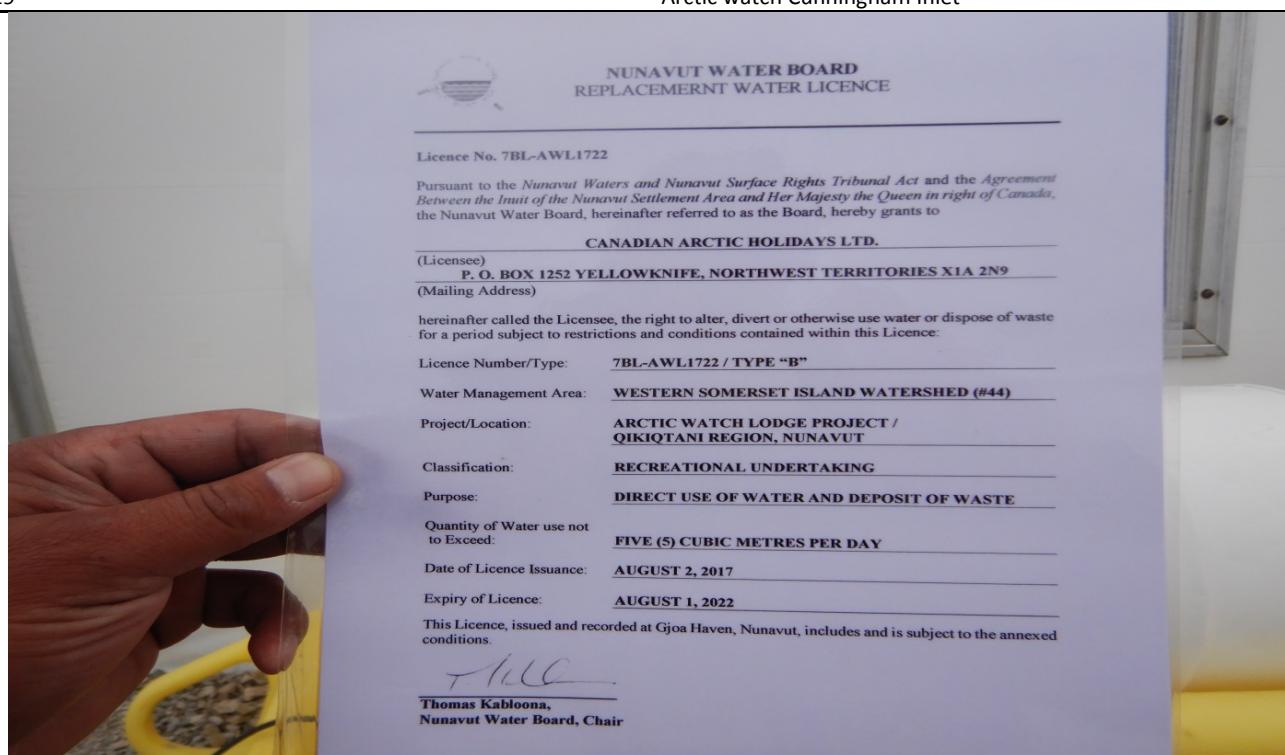
Description: mobile sewage tank. Within 31 metres of the high water mark.

Photo Log #

Photo 19

Location

Arctic watch Cunningham Inlet



Description: Copy of Water Licence.



Photo Log #	Location
Photo 20	Arctic watch – Cunningham Inlet
Arctic Watch Garbage & Water Log 2019	
<p>June 20. 5 bags garbage (100lb), 6 old ATV tires, 300 lbs scraped metal, 50 lb old garden hose from DFO, 1 box (20lb) glass.</p>	
<p>June 30.: 6 bags household, 1 battery, 2 propane refill, 75lb old sprung fabric, old oil furnace, 50lb scrape metal</p>	
<p>July 5: Garbage 3 bags household, 2 boxes glass</p>	
<p>July 12: Garbage 6 bags household, 5 boxes glass, 2 x 5gal pails waste oil</p>	
<p>July 24: Garbage 150lbs glass and household</p>	
<p>Aug 5: Garbage 400lbs household, 2 x 5 gallons used motor oil.</p>	
<p>Aug 12: Garbage out 6 bags household, 2 boxes glass</p>	
<p>Aug 20: Garbage 8 bags household, 2 boxes glass</p>	
<p>Water Use: June 15 to Aug 20 63111 US gal = 239 cubic Meter or 3.6 cubic meters per day.</p>	

Description: Garbage and Water Logs. 239 m³ withdrawn, or 3.6 meters per day. 300lbs of scrap metal, and various other garbage shipped out between June 20, 2019 and August 20, 2019.