



## WATER USE INSPECTION REPORT

Date: July 12,2013	Licensee Rep. (Name/Title): Richard Weber, Josee Auclair
Licensee: Canadian Arctic Holidays	Licence No.: 7BL-AWL1015 Lease.: 58F/2-1-2

**Comments:** The Inspection of this site was carried out on July 12<sup>th</sup>, 2013. In attendance with the Inspector was Mr. Erik Allain, Mgr of the Field Operations Unit of AANDC. Mr. Allain attended as an observer. Mr. Richard Weber and Ms. Josee Auclair met the Inspector and Mr. Allain as they arrived at the camp. Mr. Weber also has his son take a video of the inspection tour as it was stated that they wanted to ensure there was a record of the inspection so they could ensure their continued compliance with the issued Water License. The Inspector noted that the video was not for distribution or broadcast but could be taken for their own use. A copy of the file was also requested by the Inspector for AANDC's records.

### WATER SUPPLY

Source(s): Cunningham River	Quantity used: Unmetered – Estimates only
Owner:/Operator: Canadian Arctic Holidays	

Indicate: A - Acceptable U - Unacceptable NA - Not Applicable NI - Not Inspected

Intake Facilities: A	Storage Structure: A	Treatment Systems: None	Chemical Storage: NI
Flow Meas. Device: U	Conveyance Lines: A	Pumping Stations: A	Screen : NI

**Comments:**

Water is drawn from the Cunningham River at a point on a ledge below camp along the river. The water is pumped via an electric pump up-hill approximate 150 meters to a series of 4 tanks used by the camp for all purposes. The total volume of all tanks was stated to be 800 gallons (3636.87 L). An inspection of the intake log found that the log only detailed that the tanks are filled, but it was unclear from the form, if each or any of the tanks were completely empty when filling was undertaken. The volumes recorded therefore are an estimate only. It was unclear at the time of the inspection what the total use was. This was discussed during the inspection and will be addressed by the Licensee.

Water drawn from the Cunningham River for camp use is also untreated. It was suggested by the Inspector that a series of particulate filters be installed. The water at the time of the inspection was very cloudy and appeared to carry a large degree suspended solids generated from the rapid snow melt. During the inspection it was stated by the Licensee that freshet is very late this year and that usually at this time the river was much lower and running very clear. Water levels appeared to be very high when compared to photos taken on previous inspections.

### WASTE DISPOSAL

**Sewage:** Sewage Treatment System (Prim./Sec/Ter.): None

Natural Water Body: NA	Continuous Discharge (land or water): Land -sump	
Seasonal Discharge: NA	Wetlands Treatment: None	Trench: None

Indicate: A - Acceptable U - Unacceptable NA - Not Applicable NI - Not Inspected

Discharge Quality: NI	Decant Structure: NA	Erosion: None
Discharge Meas. Device: None	Dyke Inspection: NI	Seepages: None
Dams, Dykes: NA	Freeboard: NA	Spills: None
Construction: NA	O&M Plan: A	A&R Plan: A
Discharge: None	Effluent Discharge Rate: Unknown	

**Comments:**

Black water from accommodation units is pumped into a portable tank and deposited to a sump located a distance from the camp. There is no treatment or solids removal. The effluent filters through the substrate which is gravel and eventually back to the river approximately 200 m away. The sump is covered over with constituent materials at the end of the season.

Grey water from the kitchen is pumped to a series of 45 gallon drums with filter mesh installed. The water is then gravity fed through these filters and allowed to flow back into the river downstream of the intake.



### Solid Waste:

Landfill: None	Burn & Landfill: None	Other: Burning
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#### Comments:

No onsite land filling of waste occurs. An incinerator is required for the camp and has been for a period of time. During the inspection the Owner (Richard Weber) did commit to having an incinerator installed before the next inspection in 2013. Kitchen and other organic waste is composted on site, away from the camp. This site was not inspected however it is to be removed by the end of the season and the site cleaned up. Hazardous and other bulk wastes are transported back to Resolute Bay on a regular basis. These records were not available for review during the inspection. The licensee is reminded that all records are to be included in their annual report due March 31<sup>st</sup> 2014 for the 2013 year.

### FUEL STORAGE:

Indicate: A - Acceptable U - Unacceptable NA - Not Applicable NI - Not Inspected

Berms & Liners: A	Water within Berms: NA	Evidence of Leaks: None
Drainage Pipes: NA	Pump Station & Catchments Berm: NA	
Pipeline Condition: NA	Condition of Tanks: Drums – to be on Secondary containment	

#### Comments:

The Inspector noted that fuel storage practices in camp have been up-graded since the last inspection. The licensee is reminded that all fuel drums are to be on secondary containment and stored with the bungs at 9 and 3 to minimize any loss due to leaking seals. Secondary containment is recommended wherever fuel is stored and all sides should be built up to provide containment in the event of a spill. Water should be removed from all drip trays on a regular basis to ensure that all secondary containment has the ability to hold at least 110% of the volume of the single largest container within it. This is to be addressed both in camp and at the Airstrip.

### SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected		Owner /Operator: Arctic Watch Lodge : None	
		AANDC: None	
Signs Posted	SNP: Present: NA		Warning: None
Records & Reporting: To be provided in annual report			
Geotechnical Inspection:			

#### Non-Compliance of Act or Licence:

The camp was found to be clean and well organized.

Fuel storage was found to have the required Secondary Containment and to be monitored on a daily basis. Mr. Weber (licensee) has agreed and committed to installing and operating an incinerator by the period of the next inspection.

Record keeping and an accurate recording of the volume of water used by the camp is required and is to be maintained so that this may be accurately detailed in the annual report.

At the time of the inspection there were no issues identified by the Inspector that required further action to be undertaken at this time.

Note: Upon arriving at the camp Inspectors landed at the airstrip located on the flood plain adjacent to the camp. A review of the file followed by consultation with the land owners and the client is to be undertaken at the first opportunity to bring this outstanding issue to resolution before the start of the next field season.



**Signature Block:**

A.Keim

**Inspector's Name**

Sent by E-mail (Original signed and on file)

**Inspector's Signature**

Cc:

Phyllis Beaulieu – Manager Licensing- Nunavut Water Board

Erik Allain - Manager – Field Operations Unit, AANDC

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