



CANADIAN ARCTIC
HOLIDAYS



February 7, 2013

Annual Report of Water Usage for the year 2012
Licence Number 3BL-AWL1015 – Type B

7BL-AWL1015

Submitted to: Nunavut Water Board
P.O. Box 119, Gjoa Haven, Nunavut X0B 1J0

The following information is in regards to Canadian Arctic Holiday Ltd. for the summer of 2012. Arctic Watch Wilderness Lodge was operational for 6 1/2 weeks this season.

a) Summary Report of water use and waste disposal activities:

Daily water usage for July and August 2012 – 6 ½ week period, was on average 2.88 cubic meters per day.

Grey Water filtered in a tank, then recycled through a membrane and gravel.
Black water is composted in a ground hole (sump).
Inspection completed by Indian and Northern Affairs environmental inspector.

b) Unauthorized Discharges

There was one unauthorized discharge of oil on the Air Strip. It was cleaned up and shipped out to Resolute Bay to be farmed. A spill report was completed,

c) Spill Contingency Plan:

Spill Contingency Plan submitted November 2012 and revised February 5, 2013, as per recommendations by Melissa Joy, WRO.



d) Description of all progressive and/or final reclamation work undertaken:

Arctic Watch Wilderness lodge was operational for 6 1/2 weeks during the summer of 2012. The lodge is on Federally Leased land. Guides take tourist, by sea kayak, foot, ATV and Special truck, primarily for wildlife viewing of beluga whales, muskox and polar bears. Groups from Arctic Watch travel a max of 30 km from Arctic Watch.

e) Monitoring Program

Arctic Watch Wilderness lodge was open for the month of July and 1 week in August for a total of 6 1/2 weeks.

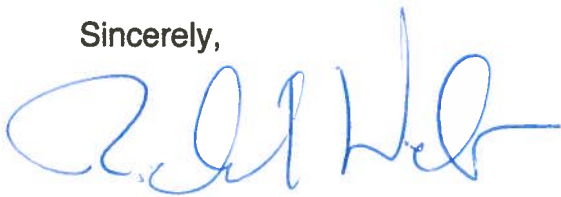
Daily water usage did not exceed 5 cubic meters per day. Water is drawn from the Cunningham River. The location of the lodge and water facility is: Latitude 74 °4' 45" N and Longitude 93° 48' 30"W.

Black and grey water waste system is located downstream from the water intake and more than 30 meters from the shore of the river.

f) Other Information:

Garbage – 60 liter bags: July 20 – 4.5 bags + 1 tire to Yellowknife
July 24 – 4 bags to Yellowknife
Aug 10 – 5 bags to Resolute

Sincerely,



Richard Weber

WATER PUMP USAGE - 2012

DATE	LEVEL		DATE	LEVEL
June 24	1 RW		12	1 HA
June 25	1/2 RW		13	1 RW
26	1/2 RW		14	1 RW
27	3/4 RW		15	1 1/2 RW
28	1 RW		16	1 SN
29	1/2 SN		17	3/4 SN
30	1/2 SN		18	3/4 SN
July 1	1 HA		19	1 SN
2	1/4 RW		20	1 SN
3	3/4 SN		21	3/4 SN
4	1/2 SN		22	1 SN
5	1/4 SN		23	1 1/2 SN
6	1/2 RW		24	1 SN
7	1/2 RW		25	1 1/2 SN
8	3/4 NW		26	1/2 SN
9	1 NW		27	1 RW
10	1 NW		28	1 RW
11	3/4 NW		29	1 RW

30	1	RW
31	1	RW
Aug 1	1	RW
2	1	RW
3	3/4	SN
4	1 1/2	SN
5	1/2	SN
7	1/2	RW
8	1/4	RW
9	1	RW
10	—	

$$\begin{aligned}
 37 \frac{1}{4} \text{ FILLS} &\times 300 \text{ gal} \times 4.546 \text{ L} = 135,474 \text{ L} \\
 &\times .004546 \text{ cu m} = 135.5 \text{ cu m}^3 \\
 &\approx 2.88 \text{ m}^3/\text{day}
 \end{aligned}$$

AVERAGE WATER USAGE $2.88 \text{ m}^3/\text{DAY}$