



**Indian and Northern  
Affairs Canada**

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March 17, 2009

Gwich'in Land and Water Board  
P.O. Box 2018  
Inuvik, NT X0E 0T0

**Attn: Robert Alexie, Executive Director**

**RE: Municipal Water Licence (G99L3-003)**

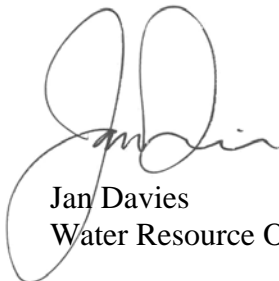
Dear Mr. Alexie,

Please find the enclosed Inspection Report for your review and/or records.

An electronic copy (un-editable Adobe pdf.) has also been provided by e-mail.

If you have any questions or concerns regarding the enclosed, and/or if additional information is required please contact me at 867-777-3662.

Sincerely



Jan Davies  
Water Resource Officer

Cc: Conrad Baetz, District Manager, North Mackenzie District, Inuvik, NT  
Inuvik Sub-District

Enclosure: Water Licence Inspection Report (3 pages)



## WATER LICENCE INSPECTION FORM

<b>DATE:</b>	September 24, 2008	<b>COMPANY REP:</b>	Evelyn Storr
<b>LICENCEE:</b>	Hamlet of Aklavik	<b>LICENCE #:</b>	G99L3-003 and N3L3-0570

### WATER SUPPLY

<b>Source:</b>	Peel Channel - Mackenzie River	<b>Quantity Used:</b>	<150, 000 m3
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Owner/Operator: Hamlet of Aklavik / Dept of Public Works

**Indicate:**      **A - Acceptable**                      **U - Unacceptable**                      **N/A - Not Applicable**                      **N/I - Not Inspected**

Intake Facilities	U <sup>1</sup>	Storage Structures	A	Treatment Systems	A	Chem. Storage	A
Flow Meas. Device	A	Conveyance Lines	A	Pumping Stations	A		

Comments:

Concerns

1. Still some oil containers present at the Water Fill Station, from the water truck. These materials need to be properly stored and/or disposed of since this is the Hamlet's Water Supply facility.

Notes:

- A spill kit should be on site due to fuel storage.
- Holes in floor of chemical storage room repaired and chemical containers organized.
- The Water Supply and Intake Facilities are being upgraded in 2009/2010. Ensure proper notification and reporting to the Board of changes to the facilities.

### WASTE DISPOSAL

Well Waste	Off-Site Removal	N/A	Drilling Sump	N/A	Downhole	N/A	Land spread	N/A	
Sewage	Sewage Treatment System (primary, secondary, or tertiary)				Natural primary lagoon				
	Natural Water Body	A		Continuous Discharge (land or water)		A			
	Seasonal Disch.	N/A		Wetlands Treatment		A		Trench	N/A
Solid Waste	Owner/Operator:	Hamlet of Aklavik							
	Landfill	U <sup>4,8,10</sup>		Burn & Landfill		Conditionally acceptable		Other	N/A

**Indicate:**      **A - Acceptable**                      **U - Unacceptable**                      **N/A - Not Applicable**                      **N/I - Not Inspected**

Discharge Quality	U <sup>1</sup>	Construction	U <sup>2</sup>	Disch. Meas. Dev.	A	Freeboard	N/A
Decant Structures	N/A	O&M Plan	U <sup>6</sup>	Dams, Dykes	N/A	Seepages	N/A
Dyke Inspections	N/A	A&R Plan	N/A	Erosion	N/A	Spills	A
Periods of Discharge	Continuous		Effluent Discharge Rate		Natural outflow from lagoon		

Comments:

Concerns:

1. Discharge Quality is unknown as SNP samples are not being collected.
2. Recent berm construction around the Bulky Metal Waste Area in the spring of 2007 occurred as a modification without notification of the Northwest Territories Water Board.
3. Sheen on water in the wetland area and ditch along the road outside of the berm on the east side of the Bulky Metal Waste Area. Water samples need to be taken to identify this sheen.
4. Signage was present at the Solid Waste Disposal Site however, additional signage is needed to further increase public guidance and waste segregation. Signs should be posted for but not limited to the following areas: domestic garbage, waste tires, waste appliances(washers/dryers, etc.), wood waste, bulky metal wastes, empty drums, honey bag pit, and hazardous waste(waste oil, batteries etc.).
5. Berm for the Honey Bag Pit needs to be lengthened and maintained so it surrounds the whole pit.
6. An updated Operational and Maintenance Plan has not been received. Please see records and reporting under "SNP" below.
7. Spillage of used oil was noticed in the waste oil storage area. Ensure that the waste oil storage area is organized and materials stored properly. When there has been spillage, make sure the soil is cleaned up, contained and properly disposed of. (Figure 1)
8. Hazardous waste(waste oil, batteries etc.) areas are becoming permanent storage areas. Effort should be taken to

dispose of this material appropriately. Long term storage of this material should not occur in this Solid Waste Disposal Site. (Figure 1)

9. Garbage around sewage discharge chute needs to be removed and properly disposed of.

10. Solid waste in cells within the Solid Waste Disposal Site need to be properly maintained and capped. (Figure 2)

Notes:

-Discharge Measuring Device consists of using the amount of potable water delivered to the Hamlet as an estimation of sewage that is discharged from the sewage lagoon.

-No evidence of burning occurring at the time of inspection. Municipal Solid Wastes that are conditionally suitable for open burning are paper products, paperboard packaging and untreated wood wastes according to the document from the GNWT Department of Environment and Natural Resources titled Municipal Solid Wastes Suitable for Open Burning.

**FUEL STORAGE**

Owner:	Hamlet of Aklavik	Operator:	Department of Public Works	Condition of tanks:	Acceptable
Berms & Liners	N/A Double Walled Tank	Water within Berm:	N/A	Evidence of Leaks:	None during inspection
Drainage Pipes	N/A	Pump Station and Catchment Berm		N/A	
Pipeline Condition	Acceptable	Not Applicable:		N/A	

**SURVEILLANCE NETWORK PROGRAM**

Samples Collected Hamlet	No samples collected by Hamlet				
Samples Collected DIAND	No samples collected by Water Resource Officer.				
Signs Posted: SNP	570-4 knocked down, unable to confirm 570-3. Both signs need to be re-installed so completely visible from sewage discharge chute.	Warning	Warning signs needed for sewage lagoon. More waste segregation signs required at landfill.		
Record & Reporting	<p>- 2004, 2005, 2006 and 2007 Annual Reports not received.</p> <p>- 2003 Annual Report was received but was deemed incomplete by this office. The report did not include SNP data as required by Water Licence N3L3-0570. Please ensure that all sections of Annual Report requirements as indicated in Part A, section 3 (a through e) are addressed.</p> <p><b>- Updated &amp; Recent O &amp; M Plan was due December 30, 1999 as per Water Licence N3L3-0570 Part B, section 8.</b> The latest O &amp; M Plan currently on file at this office is dated 1985 and was produced by AESL of Alberta. This Plan was approved in 1995 by the NWT Water Board.</p>				
Geotechnical Inspection	N/A				
<b>Non-Compliance of Act or Licence:</b>	<p>Violations of Water Licence Number N3L3-0570</p> <ol style="list-style-type: none"> <li>1. Part A3, 2004, 2005, 2006 and 2007 Annual Reports not submitted</li> <li>2. Part A3, 2003 Annual Report incomplete</li> <li>3. Part A4, Non compliance with Surveillance Network Program</li> <li>4. Part B8, O&amp;M Plan due December 30, 1999</li> <li>5. SNP B1, Surveillance Network Program sampling not conducted</li> <li>6. SNP D1, Information generated by Surveillance Network Program not submitted annually</li> </ol>				

Inspector's Signature: \_\_\_\_\_





## WATER LICENCE INSPECTION REPORT Pg. 3 (Continued)

Date:	September 24, 2008	Licence #:	G99L3-003 and N3L3-0570
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### Inspection Images:

**Figure 1**

Ensure hazardous waste is properly stored and storage area is maintained.



**Figure 2**

Proper maintenance and capping needed for solid waste cells.

