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October 26, 2005

Your file – Votre référence  
XXX-XXXX

Our File – Notre référence  
N3L3-0570

Sent by mail:

Hamlet of Aklavik  
P.O. Box 88  
Aklavik, NT  
Canada X0E 0A0

**Attention: Senior Administrative Officer**

Dear SAO:

**RE: SEPTEMBER 15, 2005 INSPECTION OF WATER LICENCE N3L3-0570  
HAMLET OF AKLAVIK**

As you may be aware, Kevin Glowa, Water Resources Officer, conducted an inspection at the Hamlet of Aklavik (the 'Hamlet') on September 15, 2005. Specifically, the Hamlet's water supply and waste disposal facilities were inspected under Water Licence N3L3-0570. Enclosed is a copy of the Inspection Report (4 pages) for your review and records.

Unfortunately there were a number of violations as depicted on page two (2) of the Inspection Report. Many of the violations relate to reporting and Surveillance Network Program requirements and can be dealt with promptly. Further, please review the concerns as depicted throughout the Inspection Report.

Upon review of previous years Inspection Reports it is apparent that many of the violations and concerns outlined in the Inspection Report are consistent with violations in previous years. It is evident that the terms and conditions of your Water Licence are being neglected resulting in non-compliance/violations. As indicated last year please address the aforementioned violations as INAC considers non-compliance of Water Licences a serious matter. As a friendly reminder, non-compliance of a Water Licence could result in:

- Fines as outlined in section 40 in the *NWT Waters Act*.

Please note respectively that that it is the Hamlets responsibility to ensure compliance with all of the terms and conditions of its Water Licence. INAC looks forward to working with you as much as possible to achieve compliance.

Pending your review, a copy of this report will be sent to the Northwest Territories Water Board and/or the Gwich'in Land and Water Board on **October 24, 2005** for their review and/or public records. If no response is received by this date we will assume you have no concerns.

If you have any questions/concerns regarding the enclosed, and/or if additional information is required, please do not hesitate to contact Mr. Glowa at (867) 777-3662.

Sincerely,

Rudy Cockney  
District Manager

KRG/rc

Enclosure: Municipal Inspection Report (3-4 pages)



## MUNICIPAL WATER LICENCE INSPECTION REPORT

<b>DATE:</b>	September 15, 2005	<b>COMPANY REP:</b>	None available
<b>LICENSEE:</b>	Hamlet of Aklavik	<b>LICENCE #:</b>	N3L3-0570

### WATER SUPPLY – Figures 1-3 below

Source:	Mackenzie River	Quantity Used:	See Annual Reports	Meter Rdg:	10491704 L
Owner/Operator:	Department of Public Works (DPW)				

Indicate:	A - Acceptable	U - Unacceptable	N/A - Not Applicable	N/I - Not Inspected			
Intake Facilities	A	Storage Structures	A	Treatment Systems	A	Chem. Storage	N/I
Flow Meas. Device	A	Conveyance Lines	N/I	Pumping Stations	A	Modifications	N/A

Concerns: No concerns

Notes:

- Water quality analysis records in good order and include temperature, pH, turbidity, and color for both raw and treated water. Free available and total residual chlorine is analyzed for the treated water. Daily records are kept.

### WASTE DISPOSAL – Figures 4-14 below

Sewage	Sewage Treatment System (primary, secondary, or tertiary):		Natural primary lagoon - Clearing Lake Sewage Lagoon				
	Natural Water Body:	✓	Continuous Discharge (land or water):		✓		
	Seasonal Discharge:		Wetlands Treatment:		Trench:		

Solid Waste	Owner/Operator:	Hamlet of Aklavik					
	Landfill:	✓	Burn & Landfill:		No longer permitted		Other:

Indicate:	A - Acceptable	U - Unacceptable	N/A - Not Applicable	N/I - Not Inspected			
Discharge Quality:	U <sup>1</sup>	Construction:	A	Disch. Meas. Dev.	N/A	Freeboard:	N/A
Decant Structures:	A	O&M Plan:	U <sup>5</sup>	Dams, Dykes:	N/A	Seepages:	N/A
Dyke Inspections:	N/A	A&R Plan:	N/A	Erosion:	N/A	Spills:	

Periods of Discharge:	Continuous	Effluent Discharge Rate:	Natural outflow from Clearing Lake Sewage Lagoon
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Concerns:

- Please see concern one (1) below under “SNP”.
- As indicated in previous Inspection Reports there is considerable wind blown debris (plastic bags) escaping to the northwest of the domestic garbage disposal area (figure 10).
- To further increase public guidance waste segregation signs should be posted for but not limited to domestic garbage, waste tires, waste appliances (washers/dryers, etc.), wood waste, snowmobiles, empty drums, honey bag pit, and hazardous wastes/waste oil.
- An appropriate area should be considered / constructed for hazardous wastes/waste oil and lead acid batteries. As with other communities these areas are becoming permanent storage areas. Effort should be taken to dispose of this material appropriately. Long term storage of this material is not recommended.
- Updated O&M plan not received. Please see records and reporting under “SNP” below.

Notes:

- As per concern 5 in the 2004 Inspection Report asbestos was buried to the north of the hazardous wastes/waste oil storage area and is the rationale for the “Dangerous Goods Buried” sign (figure 11).
- Facilities are posted and identified (figure 6, 11).
- In 2004 the SAO indicated that a screen was installed at the outflow of the Sewage Lagoon (Part B3).
- Part B6 bulky metal waste location identified (figure 13, 14). Currently this area is quite full.

**FUEL STORAGE** – Figures 15, 16 below

Owner:	DPW	Operator:	DPW	Condition of Tanks:	Excellent
Berms & Liners	N/A – Double Contained	Water within Berm:	N/A	Evidence of Leaks:	None
Drainage Pipes:	N/A	Pump Station and Catchment Berm:	N/A		
Pipeline Condition:	Excellent				

Concerns: No concerns.

Notes:

- Tank in excellent condition including transfer lines (figure 16).

**SERVELLANCE NETWORK PROGRAM (SNP)** – Figure 16 below

Samples Collected (Hamlet)	- In 2004 SAO indicated that samples are taken as per SNP requirements. There is currently no indication that this is being conducted. If conducted please forward sample results to this office and please include this information in the Annual Reports.		
(DIAND)	- No samples collected during this inspection period.		
Signs Posted: SNP	- SNP station 570-4 is posted (figure 16) but is not listed in the Water Licence. Only one SNP Station 570-3 is required and is for the point of outflow from the sewage lagoon. Upon consultation with the SAO in 2004 this SNP this station is posted.	Warning	Yes
Records & Reporting:	- 2004 Annual Report not received. A letter from INAC dated March 1, 2005 reminded the Hamlet that the report was due. - 2003 Annual Report was received but was deemed incomplete by this office. Please see same section in the September 30, 2004 Inspection Report. - <b>Updated &amp; Recent O &amp; M Plan was due December 30, 1999.</b> The latest O & 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.		
Geotechnical Inspection	N/A		

Concerns:

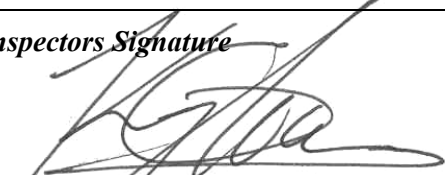
1. Unclear if SNP sampling has been conducted as it has historically not been included in the Annual Reports.

<b>Non compliance / Violations of Act or License:</b>	<ol style="list-style-type: none"> <li>1. Part A3, 2004 Annual Report not submitted.</li> <li>2. Part A3, 2003 Annual Report incomplete.</li> <li>3. Part B8. O&amp;M Plan due December 30, 1999.</li> <li>4. SNP B1, SNP sampling not conducted.</li> </ol>
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General / Additional Inspection Comments:

1. As per conversations with the GLWB on May 5, 2005 all jurisdiction regarding Aklavik water Licence should be administered by the Northwest Territories Water Board as all of Aklavik is within the Inuvialuit Settlement Region. An official statement regarding this issue has still not been received by either the GLWB or the NWTWB.
2. Eugene Pascal is no longer the SAO.

Figures Below:	Yes	✓	No	
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<b>Inspectors Name</b> Kevin R. Glowa (M.Sc., R.P. Bio.) Water Resource Officer	<b>Inspectors Signature</b> 
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## LIST OF FIGURES FOR INSPECTION REPORT

**Figure 1. Water Supply.** Water Intake and Treatment Facility.



**Figure 2. Water Supply.** Raw and treated water storage tanks.



**Figure 3. Water Supply.** Water intake meter.



**Figure 4. Waste Disposal.** Sewage Lagoon raw sewage discharge culvert.



**Figure 5. Waste Disposal.** Sewage Lagoon raw sewage discharge culvert.

**Figure 6. Waste Disposal/Water Supply.** Sewage Lagoon signage (warning) and Raw water sampling station (no SNP).



**Figure 7. Waste Disposal.** Solid Waste disposal Facility (SWDF) domestic garbage disposal area.

**Figure 8. Waste Disposal.** SWDF domestic garbage disposal area.



## LIST OF FIGURES FOR INSPECTION REPORT CONTINUED

**Figure 9. Waste Disposal.** SWDF empty barrels.



**Figure 10. Waste Disposal.** SWDF. To the south of the domestic waste disposal area.



**Figure 11. Waste Disposal.** SWDF signage (warning), and hazardous wastes/waste oil disposal area.



**Figure 12. Waste Disposal.** SWDF hazardous wastes/waste oil disposal area.



**Figure 13. Waste Disposal.** SWDF signage.

**Figure 14. Waste Disposal.** SWDF bulky wastes (metal) disposal area.



**Figure 15. Fuel Storage.** Water intake and Treatment Facility fuel storage.

**Figure 16. Fuel Storage/SNP.** Fuel storage transfer lines and SNP station 570-4 respectively.

