



MUNICIPAL WATER USE INSPECTION FORM

DATE:	August 22, 2003	COMPANY REP:	Not present
LICENSEE:	Hamlet of Ft. McPherson	LICENCE #:	N3L3-1696

WATER SUPPLY – Figures 1-2 attached

Source:	Deep Water Lake	Quantity Used:	Refer to annual report and monthly records
Owner/Operator:	GNWT/DPW. The distributor is the Hamlet.		

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

Concerns:

- No SNP sign posted and no sign indicating facility.
- Fuel tank not locked.

Comments:

- Hamlet started hauling water from Deep Water lake in 2001. As per Part C section 1 it is unclear if this was approved by the board.
- No GNWT/DPW representatives' available so complete inspection of the facility (figure 1, 2) was not conducted. Only the exterior of this facility was inspected.
- In general facility is neat and tidy (figures 1,2).

WASTE DISPOSAL – Figures 3-14 attached

Sewage	Sewage Treatment System (primary, secondary, or tertiary):		Primary			
	Natural Water Body:		Continuous Discharge (land or water)			
	Seasonal Discharge	✓	Wetlands Treatment:	✓	Trench:	
Solid Waste	Owner/Operator:	Hamlet of Ft. McPherson				
	Landfill:		Burn & Landfill:	✓	Other;	

Indicate:	A - Acceptable	U - Unacceptable	N/A - Not Applicable	N/I - Not Inspected			
Discharge Quality:	U ¹	Construction:	N/A	Disch. Meas. Dev.	N/I	Freeboard:	A
Decant Structures:	A	O&M Plan:	N/I	Dams, Dykes:	A	Seepages:	A
Dyke Inspections:	A	A&R Plan:	N/I	Erosion:	A	Spills:	N/I
Periods of Discharge:	Spring and Fall		Effluent Discharge Rate:	Unkown ¹			

Concerns:

- Spring discharge was requested on May 27, 2003. The discharge was rejected due to high ammonium levels that could potentially harm aquatic ecosystems (20-30ppm). Spring emergency decant was authorized on July 15, 2003 and was authorized to maintain structural integrity of the lagoon. The discharge was subject to various conditions including regulated slow discharge for 8-10 hours every two days. All other parameters were sampled on time and met license effluent quality standards. After review of previous years analytical results high ammonium is not new. This lagoon is likely undersized for the Hamlet.
- Fair amount of garbage in the lagoon around the decant structure (figure 4). Garbage is likely wind blown from the domestic garbage disposal area.
- Waste oil and hazardous materials area is continually growing (figures 6-9). As indicated this year and in the 2002 inspection report there is considerable oil spillage in and around this area. At the time of inspection a spill did occur (figure 6) but was soon cleaned up (Figure 7).
- As like many communities the waste oil and hazardous materials area (Figure 6-9) and lead-acid battery areas (Figure 8) are becoming permanent storage areas. It is recommended that every effort be made to dispose of these materials at a certified disposal facility. Long term/permanent storage of this material is not recommended. It is only a matter of time before spills occur and this becomes a liability.
- Appliances and metals disposal area (figure 10-13) generally in good order but did contain some household garbage (figure 11) and oil/ethylene glycol contamination/spill (figure 11, 12). The contamination was attributed to fluids and/or engines not being removed from vehicles (figure 13).

Comments:

- In general signage was in good order and segregation was good in most areas.
- Sewage lagoon intake pipes are in good condition (figure 3, 5). Lagoon a good green color (Figures 3,4)

FUEL STORAGE – N/A

SURVEILLANCE NETWORK PROGRAM

Samples Collected (Hamlet)	Yes SNP 1696-2. As per SNP Part B section 1. 1696-3, 4, 5 were sampled on March 19, 2003. As per SNP Part B, Section 2.		
(DIAND)	Yes @ SNP stations 1696-1 (@ DWL intake pipes), and 1696-2. Result pending.		
Signs Posted: SNP	Yes in good order. No signs at new water supply/intake facility	Warning	Yes at sewage lagoon and Solid waste site. No sign at new water supply (deep water lake)
Record & Reporting:	2000, and 2001 annual reports received and are complete. No 2002 Annual Report submitted to date or received by this office.		
Geotechnical Inspection	N/A		

Concerns: No concerns at this time. Please see note above regarding signage.

General Comments:

- New License issued September 1st, 2003 (G03L3-001).
- Contacts are Ernie Firth (Foreman) at (867) 952-2463 and Troy Jenkins (867) 952-2428.
- Unclear if approved O & M plan has been received. A copy is requested for our records.

<i>Non-Compliance of Act of Licence:</i>	<i>1. No violations at this time.</i>
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Page 3 attached	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
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<i>Inspectors Name</i> <i>Kevin R. Glowa</i> <i>Water Resource Officer</i>	<i>Inspectors Signature</i>
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