



MUNICIPAL WATER LICENCE INSPECTION REPORT

DATE:	November 26, 2004	COMPANY REP:	Tom Caines, SAO
LICENSEE:	Incorporated Hamlet of Paulatuk	LICENCE #:	N7L3-1619 (Renewal)

WATER SUPPLY – Figures 1-4 below

Source:	New Water Lake	Quantity Used:	Refer to Annual Report	Meter Rdg:	228094 m ³
Owner/Operator:	Incorporated Hamlet of Paulatuk				

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

Concerns:

1. SNP 1619-1 not posted (figure 3).

Notes:

- Water Supply Facilities (WSF) neat and tidy and was identified (figures 1,2).
- Fuel Storage (Figure 4) showed no leaks and is double contained.
- All water retrieved from New Water Lake. Understood that no other water sources have been utilized.
- Indication of minor electrical problems with the backup generator which have been solved. The generator would not fire up following a power failure.
- The WSF was secure during this inspection.
- Andy and Sons Ltd. is the water hauling contractor for the Hamlet. Water volumes are measured by the truckload and are also measured at each residence for billing. Records are submitted to the Hamlet.

WASTE DISPOSAL – Figures 5-8 below

Sewage	Sewage Treatment System (primary, secondary, or tertiary):		Primary				
	Natural Water Body:	✓	Continuous Discharge (land or water):		✓ Peak run-off		
	Seasonal Discharge:		Wetlands Treatment:		Trench:		

Solid Waste	Owner/Operator:	Incorporated Hamlet of Paulatuk					
	Landfill:	✓	Burn & Landfill:		Other:		

Indicate:	A - Acceptable	U - Unacceptable	N/A - Not Applicable	N/I - Not Inspected			
Discharge Quality:	U ¹	Construction:	A	Disch. Meas. Dev.	N/A	Freeboard:	N/A
Decant Structures:	A	O&M Plan:	A	Dams, Dykes:	N/A	Seepages:	N/A
Dyke Inspections:		A&R Plan:		Erosion:	N/I	Spills:	None reported

Periods of Discharge:	Continuous	Effluent Discharge Rate:	Natural outflow.
-----------------------	------------	--------------------------	------------------

Concerns:

1. No sampling at SNP 1619-2. Consequently, recent discharge quality is unknown. As indicated by Tom this will be addressed in 2005 and samples will be taken during “periods of flow” (SNP Part B1).
2. No identification signs and public warnings at Solid Waste Disposal Facilities (SWDF).
3. No signs identifying areas of solid waste segregation at SWDF. Please ensure designated and identified areas exist for public guidance. The signs should include but not limited to domestic waste, waste tires, waste appliances, bulky metal wastes, waste wood, snowmobiles, empty drums, etc.
4. No identified bagged Toilet Waste Disposal Facilities (Part D4). As indicated these wastes are buried in a designated area. Currently, it is understanding there are only a couple people in the community using Honey Bags.

Notes:

- Old domestic garbage disposal area was decommissioned and reclaimed. New location is approximately 20 m to the south of the old site (figure 6). A&R plan was not submitted to the Board as the SWDF was not abandoned.
- New O&M Plan dated August 12, 2004 was submitted as part of the Water Licence Application and is entitled “Hamlet of Paulatuk O&M Manual”. Currently waiting for board approval.

FUEL STORAGE – N/A

SERVELLANCE NETWORK PROGRAM – Figure 3

Samples Collected (Hamlet)	-No samples taken from SNP 1619-2 for the past few years. Hamlet was reminded of the SNP requirements. As indicated by Tom this will be addressed in 2005.		
(DIAND)	-No samples taken during this inspection period – Winter conditions. -2002 Water sample results (attached) from SNP 1619-2 attached. No concerns. -2002 Water sample results (attached) from SNP 1619-2 for pH, Ammonia, BOD, Nitrate & Nitrite, total phosphorus, and fecal coliforms were at 8.18, 88 mg/l, 0.152 mg/l, 105 mg/l, <0.008 mg/l, 2.5 mg/l and 200 CFU/dL respectively. All parameters are within current Licensed levels (Part D).		
Signs Posted: SNP	No signs posted.	Warning	None
Records & Reporting:	-2001-2003 Annual Report not received by the Board. As indicated by Tom the 2003 Annual Report was submitted to the NWT Water Board. Upon request the Annual Report was re-submitted November 30 but was deemed incomplete. Re-submission included and commented on Part B1c-j. -Hamlet was reminded that the 2004 Annual Report is due before March 31, 2005.		
Geotechnical Inspection	N/A		

Concerns:

1. SNP 1619-1 and 2 not posted.
2. No sampling at SNP 1619-2. See concern 1 under “Waste Disposal”.

Notes:

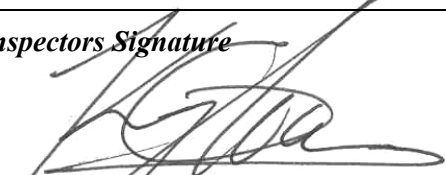
- Please note that BOD₅ has a holding time of 24 hrs. Consequently, collecting samples and shipping them to the Laboratory in this time may be difficult.

Non compliance / Violations of Act or License:	<ol style="list-style-type: none"> 1. Part B, section 1. Annual Report late. Submitted November 30, 2004. 2. Part B, section 7. SNP locations not posted 3. Part B, section 8. Waste Disposal Facilities not posted. 4. SNP Part B1 - No Sampling at SNP 1619-2.
---	--

General / Additional Inspection Comments:

1. Copy of the New Water Licence was available.
2. Keith Dodge – Town Foreman and Mayor
3. **Water Licence Expires October 30, 2006.**

Figures Below:	Yes	X	No	
----------------	-----	---	----	--

Inspectors Name Kevin R. Glowa (M.Sc.,R.P. Bio.) Water Resource Officer	Inspectors Signature 
--	---

LIST OF FIGURES FOR INSPECTION REPORT

Figure 1. Water Supply. WSF at New Water Lake.



Figure 2. Water Supply. WSF signage.



Figure 3. Water Supply. WSF intake and SNP 1619-1 sampling location.



Figure 4. Water Supply. WSF fuel storage.



Figure 5. Waste Disposal. Sewage Lagoon intake structure.



Figure 6. Waste Disposal. SWDF domestic garbage disposal area.



Figure 7. Waste Disposal. SWD east containment fence.



Figure 8. Waste Disposal. SWDF bulk metal waste disposal area.

