



**Indian and Northern
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Nov. 2, 2009

Northwest Territories Water Board
P.O. Box 2531
Inuvik, NT X0E 0T0

Attn: Mike Harlow, Executive Director

RE: Municipal Water Licence (N7L3-1531)

Dear Mr. Harlow,

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 867-777-8909.

Sincerely,

Jan Davies
Water Resource Officer

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

Enclosure: Water Licence Inspection Report and Cover Letter (6 pages)
Municipal Solid Wastes Suitable for Open Burning Document



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Nov. 2, 2009

Hamlet of Sachs Harbour
General Delivery
Sachs Harbour, NT X0E 0Z0

Attn: Adella Carpenter, Acting SAO

RE: Municipal Water Licence (N7L3-1531)

Dear Ms. Carpenter,

An inspection was conducted of the Municipal Water Supply and Waste Disposal Facilities on September 28, 2009. Enclosed is a copy of the Municipal Water Licence Inspection Report.

While there has been a continuation of acceptable practices like the cleaning up of windblown debris, there were a number of violations as depicted on page 2 and 3 of the Inspection Report. Please review the concerns throughout the Inspection Report.

It is clear that progress is being made on certain issues, however, there are terms and conditions of your Water Licence that are being neglected resulting in non-compliance/violations. 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 those in previous years. Please address the aforementioned items as Indian and Northern Affairs Canada considers non-compliance of Water Licences a serious matter.

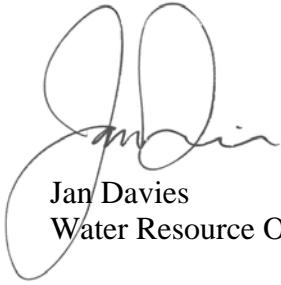
During the inspection it was evident that the burning of solid waste has occurred. Open burning of non-segregated Municipal Solid Waste (MSW) remains an unacceptable option for the management of MSW. According to the GNWT Department of Environment and Natural Resources, MSW suitable for open burning are paper products, paperboard packaging and untreated wood wastes only. Enclosed is the document titled "Municipal Solid Wastes Suitable for Open Burning" for your reference.

Please note 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.

A copy of this report will be sent to the Northwest Territories Water Board for their review and/or public records.

If you have any questions, please contact me at 867-777-8909.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jan Davies', is positioned above the printed name and title.

Jan Davies
Water Resource Officer

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

Enclosure: Water Licence Inspection Report (4 pages)
Municipal Solid Wastes Suitable for Open Burning Document



WATER LICENCE INSPECTION FORM

DATE:	September 28, 2009	COMPANY REP:	Adella Carpenter Acting SAO
LICENCEE:	Hamlet of Sachs Harbour	LICENCE #:	N7L3-1531

WATER SUPPLY

Source:	Water Lake	Quantity Used:	<4800 m ³
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Owner/Operator: GNWT-MACA / Hamlet of Sachs Harbour

Indicate:		A - Acceptable	U - Unacceptable	N/A - Not Applicable	N/I - Not Inspected		
Intake Facilities	A ¹	Storage Structures	N/A	Treatment Systems	A	Chem. Storage	A
Flow Meas. Device	A	Conveyance Lines	A	Pumping Stations	A		

Comments:

Concerns:

1. Intake facility was in the process of being repaired. Water was being withdrawn directly from Water Lake by the water truck then batch chlorinating.

Notes:

- Intake piping in the intake facility was being repaired at the time of inspection.

WASTE DISPOSAL

Sewage	Sewage Treatment System (primary, secondary, or tertiary)			Primary			
	Natural Water Body	✓	Continuous Discharge (land or water)		land		
	Seasonal Disch.	N/A	Wetlands Treatment		✓	Trench	N/A
Solid Waste	Owner/Operator:	Hamlet of Sachs Harbour					
	Landfill	✓	Burn & Landfill		Conditionally acceptable	Other	N/A

Indicate:		A - Acceptable		U - Unacceptable		N/A - Not Applicable		N/I - Not Inspected		
Discharge Quality		U ¹	Construction		N/A	Disch. Meas. Dev.		A	Freeboard	N/A
Decant Structures		N/A	O&M Plan		N/A	Dams, Dykes		N/A	Seepages	N/A
Dyke Inspections		N/A	A&R Plan		N/A	Erosion		U ²	Spills	U ³
Periods of Discharge		does not appear to discharge, unless spring highwater ⁷					Effluent Discharge Rate		N/A	

Comments:

Concerns:

- Discharge Quality is unknown as the Hamlet has not collected any water samples.
- Erosion is present around the sewage discharge chute at the Sewage Disposal Facility(SDF). Continued maintenance is needed to prevent further erosion and subsequent damage to the sewage discharge chute. Ensure the truck tire stop/barricade is maintained. (see Figure 1)
- Contaminated soil from an old POL tank farm spill on the beach in front of the Hamlet has been excavated by Biogenie S.R.D.C. Inc and deposited at the Solid Waste Disposal Facility(SWDF). There needs to be a geotextile/liner under the contaminated soil pile with a berm to minimize the potential for migration of contaminants into any waters. The presence of contaminated soil at the SWDF without proper containment is unacceptable and could lead to further contamination. The Hamlet needs to comply with Part D: Conditions Applying to Waste Disposal, Section 8 of the Water Licence and provide proper containment for the contaminated soil. (see Figures 2)
- Signage is needed to improve waste segregation and public guidance. 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).
- There is evidence that burning of non-segregated Municipal Solid Waste (MSW) is still occurring. Burning of non-segregated MSW remains an unacceptable option for the management of MSW. Compliance is required with Part D: Conditions Applying to Waste Disposal, Section 10 of the Water Licence, in accordance with the guideline Municipal Solid Wastes Suitable for Open Burning, developed by the GNWT Department of Environment and Natural Resources (Please see enclosed document). Wastes that are conditionally suitable for open burning are paper products, paperboard packaging and untreated wood wastes. (see Figure 3)
- Currently there are many barrels and batteries present at the SWDF that need to be in a bermed temporary storage area as per Part D: Conditions Applying to Waste Disposal, Section 9, of the Water Licence. The batteries, barrels and their contents need to be sent to an approved disposal facility.
- The Sewage Disposal Facility(SDF) is a natural water body and is the lowest elevation in the immediate area and

does not appear to discharge, however there are indications from staff that it might discharge when there is excess water during the spring. The opposite side of the SDF from the sewage discharge chute would be where any discharge would occur as this is a low lying wetland area. Sewage is deposited in the sewage lagoon at a rate of about 7,000 gallons/day, 3 times a week.

8. The current solid waste cell needs to be properly maintained and covered which would assist with preventing windblown debris. Increasing the berm and fence height of the current cell would also aid in preventing windblown debris. Given the volume of solid waste in the current cell, it is evident that an additional solid waste cell will be needed at the Solid Waste Disposal Facility (SWDF).

- Note:
- Hamlet has a waste oil burner which is not being used
 - Area surrounding the SWDF had been cleaned up of windblown debris, better fence around solid waste cell.

FUEL STORAGE

Owner:	GNWT-MACA	Operator:	Hamlet	Condition of tanks:	good
Berms & Liners	A	Water within Berm:	none present	Evidence of Leaks:	None present
Drainage Pipes	A	Pump Station and Catchment Berm		A	
Pipeline Condition	A	Not Applicable:		N/A	

- Comments:
- Notes
- Inside generator shed there is fuel present in the drip tray under pipe coming from the fuel tank and this was present during previous inspections. There was no evidence of leaks, drips etc.

SURVEILLANCE NETWORK PROGRAM

Samples Collected		Hamlet	No samples taken. ¹	
		DIAND	No samples taken during inspection.	
Signs Posted:	SNP	N/A – map or drawing indicating the location of all SNP sampling locations has not been submitted. ²	Warning	Signage needed for Sewage Disposal Facilities, Water Supply Facilities and the Solid Waste Disposal Facilities. ³
Record & Reporting		No recent reports have been submitted		
Geotechnical Inspection		N/A		

- Comments:
- Concerns:
1. Sampling needs to occur to monitor water quality at the Sewage Disposal Facility as per the Surveillance Network Program and Part B: General Conditions, Section 2, of the Water Licence.
 2. Map or drawing indicating the location of all SNP sampling locations has not been submitted to the NWTWB as per Part B: General Conditions, Section 4, of the Water Licence.
 3. Signage is needed for the Sewage Disposal Facilities, Water Supply Facilities and the Solid Waste Disposal Facilities as per Part B: General Conditions, Section 5, of the Water Licence.

- Note:
- On September 9, 2008, INAC Water Resources Division – Catherine Mallet took water samples from the sewage entry point and suspected discharge location (SNP 1531-2) of the Sewage Disposal Facility and they were within Water Licence effluent quality standards.

Violations of Act or Licence:

Part B: General Conditions, Section 2,
“The Licensee shall comply with the “Surveillance Network Program” annexed to this Licence, and any amendment to the said “Surveillance Network Program” as may be made from time to time, pursuant to the conditions of this Licence.”

Part B: General Conditions, Section 4,
“The Licensee shall, within 60 days of the issuance of this Licence, submit to the Board for approval a map or drawing indicating the location of all Surveillance Network Program sampling stations.”

Part B: General Conditions, Section 5,
“The Licensee shall, within 60 days of issuance of this Licence, post signs in the appropriate areas to inform the public of Water Supply and Waste Disposal Facilities. All postings shall be located and maintained to the satisfaction of an Inspector.”

Part D: Conditions Applying to Waste Disposal, Section 8,
“The Licensee shall contain all contaminated soil in such a manner as to minimize the potential for migration of contaminants into any Waters, to the satisfaction of an Inspector.”

Part D: Conditions Applying to Waste Disposal, Section 9,
“The Licensee shall segregate and store hazardous Waste in a temporary storage area, to the satisfaction of an Inspector.”

Part D: Conditions Applying to Waste Disposal, Section 10,
“The Licensee shall not open burn solid or liquid Waste, with the exception of paper products, paperboard packaging and untreated wood in accordance with the guideline Municipal Solid Wastes Suitable for Open Burning, developed by the GNWT Department of Environment and Natural Resources.

Inspector’s Signature: _____



WATER LICENCE INSPECTION REPORT Pg. 4
(Continued)

Date:	September 28, 2008	Licence #:	N7L3-1531
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Inspection Images:

Figure 1

Erosion still present at the sewage discharge chute.



Figure 2

Contaminated soil pile at Solid Waste Disposal Facility needs proper containment.



Figure 3

Evidence that the burning of non-segregated Municipal Solid Waste is still occurring.

