



Aboriginal Affairs and
Northern Development Canada

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Affaires autochtones et
Développement du Nord Canada

<http://www.aadnc-aandc.gc.ca>

North Mackenzie District
P.O. Box 2100
Inuvik, NT X0E 0T0

Telephone: 867-777-8900
Fax: 867-777-2090

March 31, 2014

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

Attn: Freda Wilson, Office and Finance Administrator

**RE: MUNICIPAL Water Use N7L3-1531
CLASS B - MUNICIPAL
Water Lake**

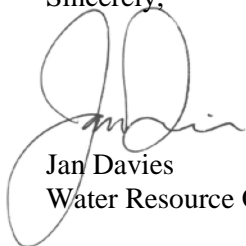
Dear Ms. Wilson,

Please find the enclosed Inspection Report for your review and 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: Municipal Water Use Inspection Report and Cover Letter (5 pages)



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March 31, 2014

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

Attn: Adella Carpenter Interim SAO

**RE: MUNICIPAL Water Use N7L3-1531
CLASS B - MUNICIPAL
Water Lake**

Dear Ms. Carpenter,

An inspection was conducted of the Municipal Water Supply and Waste Disposal Facilities on August 8, 2013. Enclosed is a copy of the Municipal Water Licence Inspection Report.

Unfortunately there were a number of violations in the Inspection Report. Some of the violations relate to signage, mapping, and Surveillance Network Program responsibilities and can be dealt with promptly. Please review and address the concerns throughout the Inspection Report.

While it is clear 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. Please address the aforementioned items as non-compliance with the Water Licence is a serious matter.

Please note that it is the Hamlet's responsibility to ensure compliance with all of the terms and conditions of its Water Licence. Aboriginal Affairs and Northern Development Canada 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 public records. If you have any questions/concerns regarding the enclosed, and/or if additional information is required, please do not hesitate to contact the Water Resource Officer at (867) 777-8900.

Sincerely,

Jan Davies
Water Resource Officer

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

Enclosure: Municipal Water Licence Inspection Report (4 pages)



MUNICIPAL WATER USE INSPECTION REPORT

LICENCE #:	N7L3-1531	EXPIRY DATE:	November 20, 2017
LICENCEE:	Hamlet of Sachs Harbour	PREVIOUS INSPECTION:	September 06, 2011
COMPANY REP:	Adella Carpenter Interim SAO	INSPECTION DATE:	August 08, 2013

WATER SUPPLY

Source:	Water Lake	Quantity Used:	3,938m3
Owner/Operator:	Hamlet of Sachs Harbour	Meter Reading:	N/A

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

Intake Facilities	A	Storage Structures	A	Treatment Systems	A	Recycling	N/A
Flow Meas. Device	A	Conveyance Lines	A	Pumping Stations	A	Chem. Storage	A
						Modifications	N/A

Water Supply Comments:

- Lake water is clean with no garbage except old intake culverts for Water Treatment Plant that could be removed.
- Clean and tidy
- Chemicals are segregated and well organized.
- No leaks from fuel storage tank and generator room is acceptable.
- Potable water deliveries is about 15-18,000L 4 times/day which occurs 3 days a week.

WASTE DISPOSAL – SEWAGE

Disposal Method		Primary Treatment					
Mechanical	N	Camp Sump	N	Natural Water Body	Y	Wetland Treatment	Y
Continuous Discharge	N	Intermittent Discharge	N	Seasonal Discharge	Y	Land Spread	N
Accelerated Biological	N	Other	N/A				

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

Discharge Quality	A	Decent Process & Structures	N/A	Discharge Measurement Device	A
Freeboard	N/A	Sludge Disposal Method	N/A		
Periods Of Discharge	Does not appear to discharge, unless spring highwater			SNP Samples Collected	No
Effluent Discharge Rates	Natural outflow				

Sewage Comments:

Erosion - Unacceptable

- Sewage is collected at 7500 -9000L 4-5 times/day which occurs 3 days a week.
- Erosion is occurring at the sewage discharge chute and needs to be repaired. Wheel stops or barrier would be good to prevent sewage truck from parking too far from the discharge chute and discharging to the ground which increases erosion. If this is not repaired it will ultimately weaken the discharge structure.

WASTE DISPOSAL – SOLID WASTE

Disposal Method	Landfill
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MUNICIPAL WATER USE INSPECTION REPORT

Open Dump	N	Landfill	Y	Burn & Landfill	Conditionally Acceptable	Underground	N
Offsite Removal	N	Other	N/A				
Owner / Operator	Hamlet of Sachs Harbour						

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

Runoff Diversion	N/A	SNP Samples Collected	No
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Solid Waste Comments:

- Open drum of oil with torn hole in top and has punctures. This needs to be transferred to a proper secure drum. This is a violation of Part D: Conditions Applying to Waste Disposal, Section 9, of the Water Licence. Check barrels for leaks to transfer contents to more secure drums where needed.
- New landfill cell bermed up for Solid Waste Disposal Facility.
- Remediated soil from POL contaminated soil/berm originally along ocean shore bank in front of the hamlet. That material was excavated and remediated in a bermed landfarm. The material is acting as a cover material for the SWDF cell.
- Many barrels in various states of condition that need recycling and final disposal, contents would need to be recycled.
- Batteries laying around some areas that need to be properly stored for sending out for proper disposal.
- White metal waste needs to be organized.
- Vehicles strewn about, some in organized locations need to be disposed of at recycling facility or emptied and buried.
- There needs to be better/further segregation and maintaining the correct location of waste. If not people deposit waste where ever they see other waste.
- Need signage to provide better signage to help educate residents and show where waste can be disposed/stored at.
- There is evidence of general waste is being burned. Ash is left for burial later. Remember burning of general waste is unacceptable. Paper, cardboard and untreated wood can be segregated to burn. It would be recommended for an old tank or designated area for burning to allow control of burning material.
- Hamlet should explore other forms of revenue to pay for waste disposal, such as: a bylaw consisting of levies on new products – oil, vehicles, batteries, skidoos and ATVs; or money from waste metal recycling.
- Used oil could be burned locally to heat Hamlet shop etc. Ensure better maintenance of used oil furnace and control source of oil by collecting it at the Hamlet shop.

FUEL STORAGE

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

Owner:	Hamlet of Sachs Harbour	Operator:	Hamlet of Sachs Harbour	Condition of tanks:	A
Berms & Liners	A	Water within Berm:	U	Evidence of Leaks:	None
Drainage Pipes	N/A	Pump Station and Catchment Berm	A	Runoff Diversion	N/A
Pipeline Condition	A				

Fuel Storage Comments:

- Water in berm is a concern. This displaces part of the emergency spill capacity.
- Flex pipe is a little angled. This shows that there were adjustments probably upon original installation. The fuel storage is located and secured on the skid for the entire Water Treatment Plant. This means the base is stable and there should be little movement.

SURVEILLANCE NETWORK PROGRAM

Samples Collected Hamlet	No samples were taken last fall even though they were sent sample bottles.		
Samples Collected AANDC	Sampled: SNP 1531-2 sewage lagoon – at opposite end of sewage lagoon at wetland area where it discharges at spring high water etc. SNP 1531-3 runoff from SWDF (landfill) at culvert at end of current cell – north of access road.		
Signs Posted: SNP	N/A – since just need a map with sampling sites, GPS etc.	Warning	Seen for SWDF (landfill), not seen for Sewage Disposal Facility or Water Supply Facilities.



MUNICIPAL WATER USE INSPECTION REPORT

Surveillance Network Program Comments:

- Warning signage needs to be posted for the Sewage Disposal Facility so everyone knows about the hazards that exist. As well there should be signs for the Water Supply Facilities as this has to do with the Hamlet’s water supply and there are dangerous chemicals and equipment present. Since the Hamlet of Sachs Harbour has not complied, this is a violation of Part B: General Conditions, Item 5, of the Water Licence.
- Sampling by the Hamlet has not occurred, which is a violation of Part B: General Conditions, Section 2, of the Water Licence.
- Since SNP signage is no longer required it is now necessary for the Hamlet to provide a map or drawing indicating the locations of the SNP sampling locations. In August 2011 there was a workshop that occurred with the Northwest Territories Water Board (NWTWB) in which there was a SNP map provided to the Hamlet of Sachs Harbour and would fulfill the SNP map requirement by the Water Licence. Contact the Water Resource Officer or the NWTWB for more information. Since the Hamlet has not provided a map, this is a violation of Part B: General Conditions, Item 4, of the Water Licence.

GENERAL CONDITIONS/REPORTS/PLANS

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

C &R Plan	N/A	Records & Reporting	N/I	Final Report	N/A
Geotechnical Inspection	N/A	Posting, Signage	U	Contingency Plan	N/I
Restorations Activities	N/A	Spills	A	O&M Plan	N/I
Maintenance	A	Modifications	N/A	Annual Report	N/I

General Condition Comments:

- If data is limited the Annual Reports should be sent with what information is known so there are records available. Annual Reports from 2004-2009, 2012 have not been submitted and is a violation of Part B: General Conditions, Item 1, of the Water Licence.
- **A Sewage Treatment Plan was due by June 30, 2013. This is a violation of Part E: Conditions Applying to Operation and Maintenance, Item 2.**
- **A Municipal Solid Waste Operations and Maintenance Plan was due June 30, 2013. This is a violation of Part E: Conditions Applying to Operation and Maintenance, Item 3.**

NON-COMPLIANCE/VIOLATIONS OF ACT OR LICENCE

Part B: General Conditions, Item 1,
"The Licensee shall file an Annual Report with the Board not later than April 30th of the year following the calendar year reported..."

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, with associated GPS coordinates."


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. Additional signage at the Solid Waste Disposal Facility shall clearly indicate where different waste streams collected by the Hamlet should be deposited. All postings shall be located and maintained 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 designated contained temporary storage area, to the satisfaction of an Inspector."

Part E: Conditions Applying to Operation and Maintenance, Item 2,
"The Licensee shall submit to the Board for approval by June 30, 2013, a Sewage Treatment Plan..."

Part E: Conditions Applying to Operation and Maintenance, Item 3,
"The Licensee shall submit to the Board for approval by June 30, 2013 a Municipal Solid Waste Operations and Maintenance Plan..."

Inspector’s Signature:





MUNICIPAL WATER USE INSPECTION REPORT

Inspection Images:

<p>Figure 1</p> <p>SNP 1531-3 where samples were taken, culvert at the end of the berm for the current landfill cell.</p> 	<p>Figure 2</p> <p>Torn drum with used oil inside. About 2/3 full this needs to be transferred to a secure drum for later disposal.</p> 
<p>Figure 3</p> <p>Where the new cell is being installed at the landfill, opposite side of the access road from current cell.</p> 	<p>Figure 4</p> <p>Water in bottom of berm for fuel tank.</p> 
<p>Figure 5</p> <p>Erosion at sewage lagoon discharge chute.</p> 	<p>Figure 6</p> <p>End of sewage lagoon where discharge would occur with spring high water, samples taken at SNP 1531-3.</p> 