



Telephone: 867-678-6653

Fax: 867-678-6699

December 2, 2021

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

Attention: Betty Haogak, Senior Administrative Officer

File Number	N7L3-1531
Type of Operation	CLASS B - MUNICIPAL
Location	Sachs Harbour

Dear Betty Haogak,

An inspection of the above noted operation was conducted on September 15, 2021 by Regional Environmental Assessment Coordinator, Alicia McRae. Enclosed is a copy of the Municipal Water Use Inspection Report.

The water treatment plant was clean and organized. The Hamlet experienced a pump failure early this spring (2021) which resulted in the water treatment plant becoming non-operational from April to the end of July. The Hamlet worked quickly to get this issue resolved and the plant is now operating normally.

The solid waste disposal facility is overall kept in an organized manner but requires some improvements. There are several oil pails and fuel drums located at the lower half of the landfill with contents inside that need to be addressed. As per the water license, the Hamlet must ensure that any windblown garbage or debris is collected regularly from the solid waste site area as there is no fence enclosing the facility to capture this waste. Please see the attached report for details.

It appears Surveillance Networking Program (SNP) samples have not been taken since 2017. SNP samples need to be collected by the Hamlet annually to ensure that all three facilities are operating normally and are not impacting the environment. SNP Analysis reports need to be submitted to the Inuvialuit Water Board by April 30th of each year. Contact the regional Water Resource Officer if you require assistance and guidance with conducting annual SNP sample collection.

ENR recommends that SAO Haogak reviews and becomes familiar with the water license and all other associated legislation, such as the Waters Act, Environmental Protection Act, and all supporting regulations.

MUNICIPAL WATER USE INSPECTION REPORT

ENR commends the Hamlet of Sachs Harbour for keeping their facilities well organized and addressing issues in a timely manner.

If you have any questions regarding this report, or the Hamlet's water license, please contact Water Resource Officer, Lloyd Gruben at 867-678-6652.

Sincerely,



Alicia McRae
Regional Environmental Assessment
Coordinator
Department of Environment and Natural
Resources
Inuvik Region

Cc: Mardy Semmler, Executive Director, IWB
Bijaya Adhikari, Science and Regulatory Coordinator, IWB
Ernie Francis, Acting Manager of Wildlife and Environment, ENR
Norman Snowshoe, Superintendent, Inuvik Region, ENR
Lloyd Gruben, Inuvik Water Resource Officer, ENR
Wendy Bidwell, Senior Water Resource Officer, ENR
Rick Walbourne, Manager of Water Regulatory, ENR

Date:	September 15, 2021	Licence #:	N7L3-1531	Page No:	2
-------	--------------------	------------	-----------	----------	---

MUNICIPAL WATER USE INSPECTION REPORT

LICENCE #:	N7L3-1531	EXPIRY DATE:	November 20, 2022
LICENCEE:	Hamlet of Sachs Harbour	PREVIOUS INSPECTION:	October 17, 2019
COMPANY REP:	Betty Haogak, SAO	INSPECTION DATE:	September 15, 2021

WATER SUPPLY

Source:	Water Lake	Quantity Used:	Unknown – Metered tickets used to track consumption volumes
Owner/Operator:	Hamlet of Sachs Harbour	Meter Reading:	N/I

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	N/I	Conveyance Lines	A	Pumping Stations	A	Chem. Storage	A
						Modifications	A

Water Supply Comments:

- The water treatment plant was clean and well organized at the time of inspection. Two plant operators met us at the plant. All records and logs are kept up to date by the operators. Both operators were able to describe water treatment processes and methods to the inspector.
- A pump failed recently resulting in water spray and pooling inside the plant. The plant was shut down while waiting for a new pump to arrive and be replaced. During this time the Hamlet obtained water from Water Lake manually and processed the water according to the direction and advice of the Department of Public Health. The pump has since been replaced and is now working with no issues.
- The condition of the water truck was inspected for any possible leaks and breaks. The water truck appears to be in fine working condition with no need for repairs.
- The generator room was clean and well organized with a spill kit easily accessible. The spill kit's contents were full and complete.
- The secondary containment for the outside fuel tank was observed to be holding about 2 inches of water. This can displace the holding capacity in the event the fuel tank fails. The secondary containment needs to be clear of water, snow, and debris at all times. Water treatment plant operator, Mr. Wolki mentioned that they will have this water removed and will monitor it more frequently.

Date:	September 15, 2021	Licence #:	N7L3-1531	Page No:	1
-------	--------------------	------------	-----------	----------	---

MUNICIPAL WATER USE INSPECTION REPORT

- The water treatment plant sign is a wooden sign with the words 'water treatment plant' painted on. This is acceptable, but the sign should be repainted to be more visible as the paint has started to weather and fade.

WASTE DISPOSAL – SEWAGE

Disposal Method		Primary Treatment					
Mechanical	No	Camp Sump	No	Natural Water Body	Yes	Wetland Treatment	Yes
Continuous Discharge	Yes	Intermittent Discharge	No	Seasonal Discharge	No	Land Spread	No
Accelerated Biological	No	Other	N/A				

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

Discharge Quality	A	Decant Process & Structures	A	Discharge Measurement Device	A
Freeboard	A	Sludge Disposal Method	N/A		
Periods of Discharge	Continuous			SNP Samples Collected	No
Effluent Discharge Rates	Natural outflow into the wetland				

Sewage Comments:

- The sewage lake appears to be in good working condition with no discoloration, strong odors or floating materials observed.
- There were no signs of erosion issues along the access road, or near the sewage chute.
- In the 2019 inspection report it was noted that one deteriorating 45-gallon drum is holding up the higher portion of the chute. This issue is still present as no maintenance work has been done to the receiving chute. This drum will need to be replaced with a proper brace. The bracing on the lower section of the chute appears to be sound and stable. SAO, Betty Haogak agreed that this issue should be addressed before anything fails.
- A large cement block is placed directly in front of the chute to prevent the sewage truck driver from backing into the chute. There are no signs of damage to the chute, or blocks.



MUNICIPAL WATER USE INSPECTION REPORT

WASTE DISPOSAL – SOLID WASTE

Disposal Method		Landfill					
Open Dump	No	Landfill	Yes	Burn & Landfill	No	Underground	No
Offsite Removal	No	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
------------------	-----	-----------------------	----

Solid Waste Comments:

- A large storage area containing 45-gallon drums is staged at the lower half of the landfill. Some drums are upright, some are lying on their sides. A large majority of the drums checked during the inspection still had contents remaining inside. All these drums will need to be addressed appropriately and immediately to reduce the possibility of the contents of these drums spilling and contaminating the receiving environment. This issue was also noted in the 2019 inspection report. All drums need to be emptied prior acceptance at the landfill. Please refer to ENR's [Drum Disposal Protocol for Municipal Landfills](#) document for further information.
- The Solid Waste Disposal Facility (SWDF) entrance sign was knocked over and lying on the ground. The same issue was also noted in the 2019 inspection report. The SWDF sign must be always upright and visible. Have Hamlet staff upright the sign whenever it is noticed to have fallen. Consider building a stronger base as this is a recurring issue.
- It is evident that the Hamlet continues to accept construction debris from outside sources. The construction/demolition waste pile is larger than it was in 2019. If this is not addressed, the pile will begin to encroach on other waste segregation areas, take up valuable space and be costly to remove.
- The separated waste piles appear to be well organized, with general household waste separated from construction/demolition waste and other large materials.
- Household waste is not covered frequently and as a result there is windblown debris across the site. As per Part D, Item 17 of the license, the Hamlet is required to collect any windblown debris.

Date:	September 15, 2021	Licence #:	N7L3-1531	Page No:	3
-------	--------------------	------------	-----------	----------	---

MUNICIPAL WATER USE INSPECTION REPORT

SURVEILLANCE NETWORK PROGRAM

Samples Collected by Hamlet of Sachs Harbour	None
Samples Collected ENR	None taken

Signs Posted: SNP	None observed	Warning	Yes
-------------------	---------------	---------	-----

Surveillance Network Program Comments:

- SNP monitoring samples have not been collected by the Hamlet since 2017. SNP samples were last collected by a Water Resource Officer.
- No map, or coordinates were available. In coordination with the Water Resource Officer, the Hamlet must find and recommend representative locations for all SNP sample stations and submit GPS coordinates, and a map to the Board and Inspector.
- No SNP sample station signs were visible at any facility at the time of inspection. Once stations are ground-truthed and verified with the Inspector, please post signs in the appropriate locations.

GENERAL CONDITIONS/REPORTS/PLANS

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

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

General Condition Comments:

- It is noted that the Inuvialuit Water Board has requested additional information for the 2020 Annual Report. Please submit all outstanding additional information requested, plus any outstanding reports and plans to the Inuvialuit Water Board (IWB) to remain in compliance with the terms and conditions of the water license. Thank you for submitting revisions of the Spill Contingency plan, Hazardous Waste Management plan, Sewage Disposal Facility and Solid Waste Disposal Facility O&M plans to the IWB earlier this year.
- Ensure all facility signs are upright and clearly visible for the public. ENR recommends posting more signage at the landfill to guide public users.

Date:	September 15, 2021	Licence #:	N7L3-1531	Page No:	4
-------	--------------------	------------	-----------	----------	---



MUNICIPAL WATER USE INSPECTION REPORT

- Please address any outstanding maintenance issues mentioned above (i.e., SDF chute, and sign maintenance).

NON-COMPLIANCE/VIOLATIONS OF ACT OR LICENCE

- Eliminate the possibilities of unauthorized discharges within all facilities. Report all unauthorized discharges to ENR as per Part F, Item 4 of the licence and include all these occurrences in annual reports.
- Ensure all signs are upright and visible.
- Report *all* spills and unauthorized discharges to ENR immediately. Unauthorized burning is defined as a discharge. Do not hold off reporting due to unknown information, such as responsible party, quantities, time spill occurred, etc.
- Select and designate locations for SNP sample stations and send coordinates and a map to the Board and Inspector. The Inspector can ground truth locations selected by the Hamlet at the next inspection.
- Better segregation of waste streams and appropriate signage is required at all areas of the Landfill.
- Household waste is not covered frequently and as a result there is copious windblown debris across the site. As per Part D, Item 17 of the license, the Hamlet is required to collect any windblown debris.

Inspector's Signature: _____

Amaze

Date:	September 15, 2021	Licence #:	N7L3-1531	Page No:	5
-------	--------------------	------------	-----------	----------	---

MUNICIPAL WATER USE INSPECTION REPORT

INSPECTION IMAGES



Figure 1: Large storage area of fuel drums, oil pails and paint cans at the landfill. Most still have contents inside.



MUNICIPAL WATER USE INSPECTION REPORT



Figure 2: More drum waste behind pile shown in Figure 1.

Date:	September 15, 2021	Licence #:	N7L3-1531	Page No:	7
-------	--------------------	------------	-----------	----------	---

MUNICIPAL WATER USE INSPECTION REPORT



Figure 3: Construction waste at the NE corner of the landfill.



MUNICIPAL WATER USE INSPECTION REPORT



Figure 4: Three partially demolished homes at the far North corner of the landfill.

Date:	September 15, 2021	Licence #:	N7L3-1531	Page No:	9
-------	--------------------	------------	-----------	----------	---

MUNICIPAL WATER USE INSPECTION REPORT



Figure 5: Fuel tank stands scattered among used tires, pallets and used fuel drums.



MUNICIPAL WATER USE INSPECTION REPORT



Figure 6: Standing at the North end of the Solid Waste Disposal Facility, facing towards the entrance behind the white van in the distance.

Date:	September 15, 2021	Licence #:	N7L3-1531	Page No:	11
-------	--------------------	------------	-----------	----------	----



MUNICIPAL WATER USE INSPECTION REPORT



Figure 7: The vehicle section of the landfill surrounded by general garbage. Most vehicles were crushed in the past under previous management.

Date:	September 15, 2021	Licence #:	N7L3-1531	Page No:	12
-------	--------------------	------------	-----------	----------	----



MUNICIPAL WATER USE INSPECTION REPORT



Figure 8: A pile of mixed metals.

Date:	September 15, 2021	Licence #:	N7L3-1531	Page No:	13
-------	--------------------	------------	-----------	----------	----

MUNICIPAL WATER USE INSPECTION REPORT



Figure 9: Pile of general, household waste from community members. The pile looks larger than it was during the 2019 water license inspection.



MUNICIPAL WATER USE INSPECTION REPORT



Figure 10: Segregated areas for large wastes, such as tires, appliances, and such. These sections need work to be more organized. This section of the landfill looks more unorganized than it did in 2019.

Date:	September 15, 2021	Licence #:	N7L3-1531	Page No:	15
-------	--------------------	------------	-----------	----------	----

MUNICIPAL WATER USE INSPECTION REPORT



Figure 11: Construction wastes being dumped at the entrance of the landfill facility. This pile is larger and less organized than it was in 2019.



MUNICIPAL WATER USE INSPECTION REPORT



Figure 12: Sign for the Sewage Lagoon, with the lagoon in the back.

Date:	September 15, 2021	Licence #:	N7L3-1531	Page No:	17
-------	--------------------	------------	-----------	----------	----

MUNICIPAL WATER USE INSPECTION REPORT



Figure 13: Sewage Lagoon facility. The whole area appears to be clean, free of garbage and free of human activity. The receiving chute is in the same condition that it was in, in 2019, with the deteriorating 45-gal drum holding up the upper section of the chute.



MUNICIPAL WATER USE INSPECTION REPORT



Figure 14: Sign for the Water Treatment Plant requires maintenance.

Date:	September 15, 2021	Licence #:	N7L3-1531	Page No:	19
-------	--------------------	------------	-----------	----------	----

MUNICIPAL WATER USE INSPECTION REPORT



Figure 15: Water Treatment Plant and Water Lake.

MUNICIPAL WATER USE INSPECTION REPORT



Figure 16: Water usage and tracking logs and documents ruined by water damage.

MUNICIPAL WATER USE INSPECTION REPORT



Figure 17: Condition of the working station at the water treatment plant at time of inspection.



MUNICIPAL WATER USE INSPECTION REPORT



Figure 18: Water shown in the secondary containment for the water treatment plant's fuel tank.

Date:	September 15, 2021	Licence #:	N7L3-1531	Page No:	23
-------	--------------------	------------	-----------	----------	----

MUNICIPAL WATER USE INSPECTION REPORT



Figure 19: Storage of Hazardous Wastes at the Community Garage.

MUNICIPAL WATER USE INSPECTION REPORT



Figure 20: Storage of Hazardous Wastes at the Community Garage.

Date:	September 15, 2021	Licence #:	N7L3-1531	Page No:	25
-------	--------------------	------------	-----------	----------	----

