



Telephone: 867-587-7203

December 6, 2024

Irvin Eng
Senior Administrative Officer
Charter Community of K'asho Got'ine
P.O. Box 80
Fort Good Hope, NT X0E 0H0

File Number	S20L3-003
Type of Operation	CLASS B- MUNICIPAL
Location	Mackenzie River -Reservoir

Dear Irvin Eng,

An inspection of the above noted operation was conducted on October 10, 2024 by Water Resource Officer, Erin Goose.

Please review the attached report and work to address the identified maintenance issues at the Solid Waste Facility, Water Treatment Plant and Sewage Disposal Facility. Overall, the Chartered Community is working towards compliance; however, there are some issues noted in the attached report that must be addressed.

Please extend my thanks to the staff for their assistance during the inspection.

Enclosed is a copy of the Municipal Water Use Inspection Report. If you have any questions, please contact me at (867) 688-1622 or email at Erin_Goose@gov.nt.ca.

Sincerely,

Erin Agnes Goose
Water Resource Officer (Inspector)
Environment and Climate Change
Government of the Northwest Territories
Sahtu Region

Cc:

Jeff Walker-Sahtu Region Superintendant-ECC
Wendy Bidwell- Senior Water Resource Officer- ECC
Natalie Lippa- Regulatory Specialist- SLWB
Rick Walbourne-Water Regulatory Manager-ECC



WATER USE INSPECTION REPORT

LICENCE #:	S20L3-003	EXPIRY DATE:	February 02, 2031
LICENCEE:	Charter Community of K’asho Got’ine (Fort Good Hope)	PREVIOUS INSPECTION:	September 15, 2022
COMPANY REP:	Irvin Eng (SAO)	INSPECTION DATE:	October 10, 2024

WATER SUPPLY

Source:	Mackenzie River - Reservoir	Quantity Used:	16,000m3
Owner/Operator:	Charter Community of K’asho Got’ine	Not to Exceed	31,500 m3

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

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

Water Supply Comments:

Unlike the other communities in the Sahtu region, Fort Good Hope has a Water Reservoir located in town. The Reservoir has been inspected and seems to be in good standing. In June 2024 a fire threatened the community and residents were evacuated. The fire was very close to the reservoir area so concerns were that there could be debris, or ash in the water.

- Part C; Condition 2. The Annual quantity of Water used for all purposes shall not exceed 31,500m3.
- The Annual quantity of water used was 16,000m3 per year, which is well below the approved limit.

SNP stations at the treatment plant are sampled daily by the Water Treatment Plant Operator.

Signage posted on the fence at the reservoir needs to be updated with the correct Water Licence number: S20L3-003.



WATER USE INSPECTION REPORT

WASTE DISPOSAL – SEWAGE

Disposal Method		Sewage Truck					
Mechanical	No	Camp Sump	No	Natural Water Body	No	Wetland Treatment	No
Continuous Discharge	No	Intermittent Discharge	No	Seasonal Discharge	No	Land Spread	Yes
Accelerated Biological	No	Other	Sewage Lagoon				

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

Discharge Quality	U	Decant Process & Structures	U	Discharge Measurement Device	U
Freeboard	U	Sludge Disposal Method	N/I		
Periods Of Discharge	N/A			SNP Samples Collected	No
Effluent Discharge Rates	unknown				

Sewage Comments:

The Sewage Lagoon has not been updated to meet current Water Licence Conditions. This area is in need of an upgraded solution to release sewage waste. Please refer to the pictures below.

No SNP sampling has occurred at this location, but the SNP sampling station was located during the insection.

This area is not an ideal sewage disposal location as, the area is located in the Solid Waste Facility and is easy accessed by the public. The disposal area is not fenced and poses a risk to landfill users and wildlife. Wildlife are attracted to the site due to poorly managed waste streams. Please take steps to secure the sewage disposal area and work to reduce wildlife attractants at the Solid Waste facility.



WATER USE INSPECTION REPORT

WASTE DISPOSAL – SOLID WASTE

Disposal Method		Open dump					
Open Dump	Yes	Landfill	No	Burn & Landfill	No	Underground	No
Offsite Removal	No	Other	A burn pit was noticed in the area, please see Figure #8				
Owner / Operator	Charter Community of K’asho Got’ine						

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

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

The Solid Waste Facility is at full capacity. The Residential waste area requires more space to be buried and covered. It is recommended that the Municipality works to expand, or build a new facility in the near future. The Sewage lagoon, which is located in the Solid Waste Facility, also requires maintenance and upgrades to be compliant with licence conditions.

End of life vehilces were well organized and work has been done by the Municipality to prepare this waste stream and any associated hazardous waste for shipment and disposal down south on the the winter road this season.

Stockpiled Hazardous waste contained in bags will be shipped out during the winter road season, along with old vehicles and other chemical based waste.

SNP stations are:

- MW18-03(2015-03) – see photo Figure 6
- MW18-04 (2015-04) –See photo Figure 4
- MW18-06 (2015-06)
- MW18-14 (2015-6)

Signage needs to be updated, especially for the sewage disposal, Hazardous waste and bagged toilet areas.



WATER USE INSPECTION REPORT

SURVEILLANCE NETWORK PROGRAM

Samples Collected Licencee	None		
Samples Collected ECC	No (provide rationale)		
Signs Posted: SNP	No	Warning	Yes

Surveillance Network Program Comments:
SNP sampling has not been completed at any of the SNP stations. Please work with the Inspector to identify and post updated signage at these locations. SNP sample training can be provided by the Mackenzie Valley Land and Water Board and the ECC Inspector.

GENERAL CONDITIONS/REPORTS/PLANS

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

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

General Condition Comments:

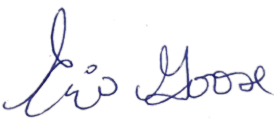
An inspection of the of the Charter Community of K’asho Got’ine Water Licence was inspected on two different occasions this year, first in May 2024 before the wildland fire evacuation in June 2024. The next inspection was done in October 2024. This was to ensure that the area was not effected by the fire that was in close proximity to the community.

NON-COMPLIANCE/VIOLATIONS OF ACT OR LICENCE

- Part B. General Conditions: Section 1. A reminder to keep a copy of Licence at all facilities.The Licensee shall ensure a copy of this Licence is maintained at the Municipal Office, Municipal Shop, and Water Treatment Palnt and Distribution at all times.
- Part B. General Conditions Section 7.
The Liceseeshall conduct an annual review all plans, programs, manuals and studies and make revisions necessary to reflect changes in operations, contact information, or other details. No later than March 31 each year, the Licensee shall send a notification letter to the Board, listing the documents that have been reviewed and do not require revisions.



WATER USE INSPECTION REPORT

Inspector's Signature: 



WATER USE INSPECTION REPORT

INSPECTION IMAGES

Figure 1

Water Reservoir in need of new sign with updated Water Licence number S20L3-003



Figure 2

Aerial view of water reservoir and water treatment plant



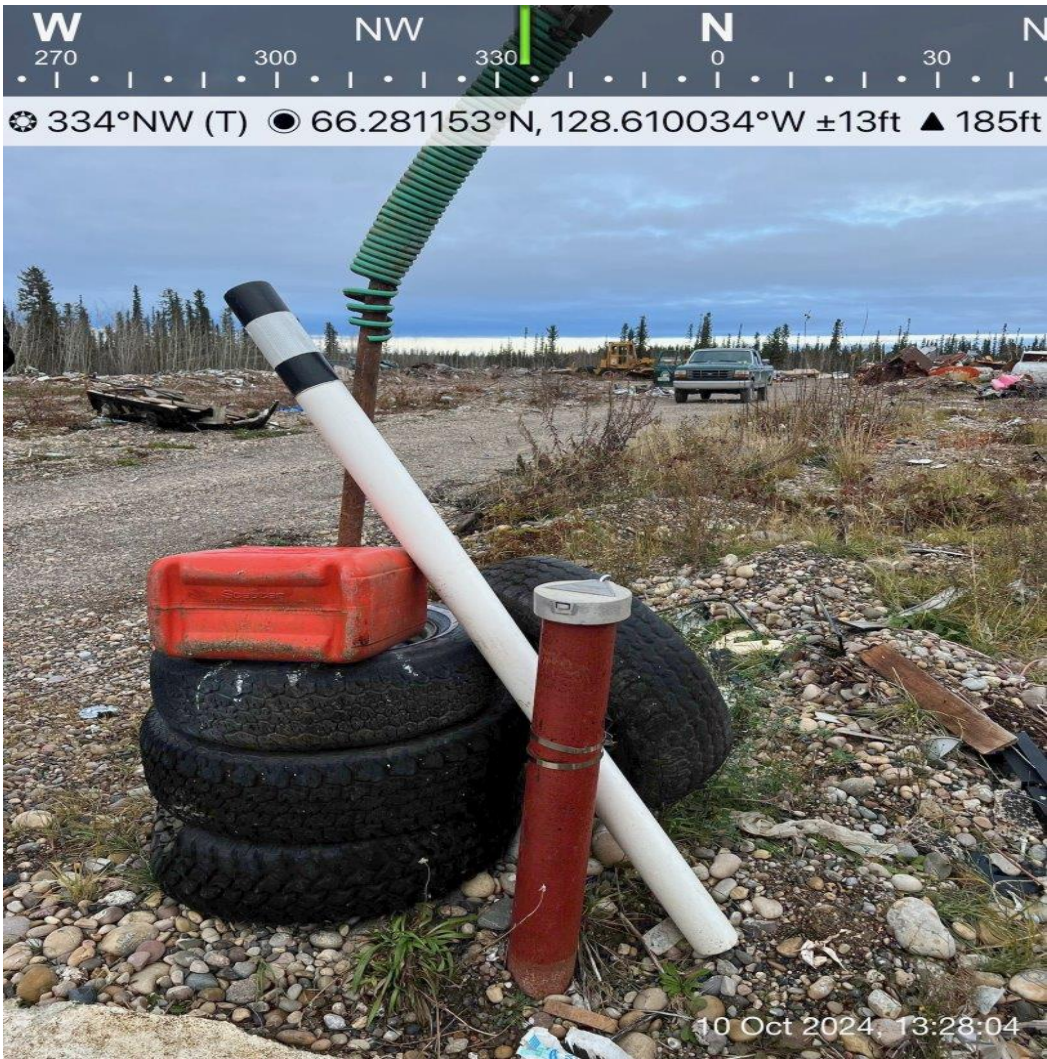


WATER USE INSPECTION REPORT

Figure 3
Aerial view of Solid Waste facility and Sewage Disposal facility



Figure 4
Groundwater monitoring well SNP MW18-04





WATER USE INSPECTION REPORT

Figure 5
SNP Solid waste facility

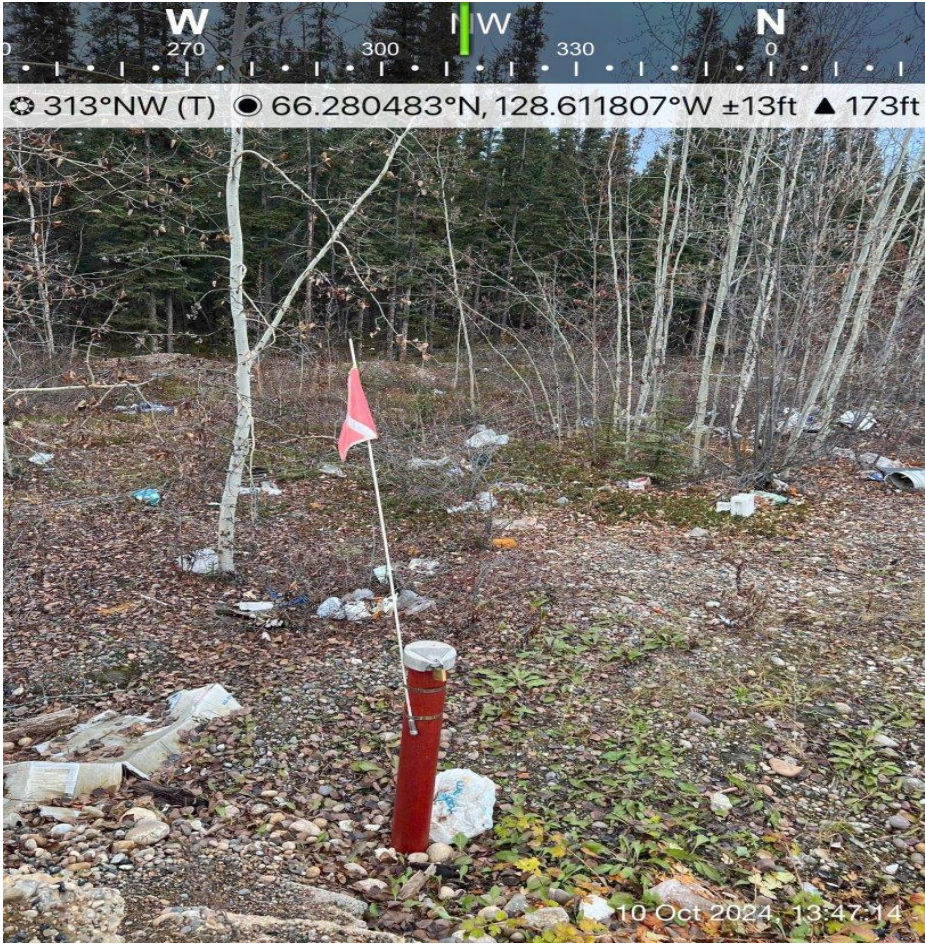


Figure 6
SNP Solid waste facility



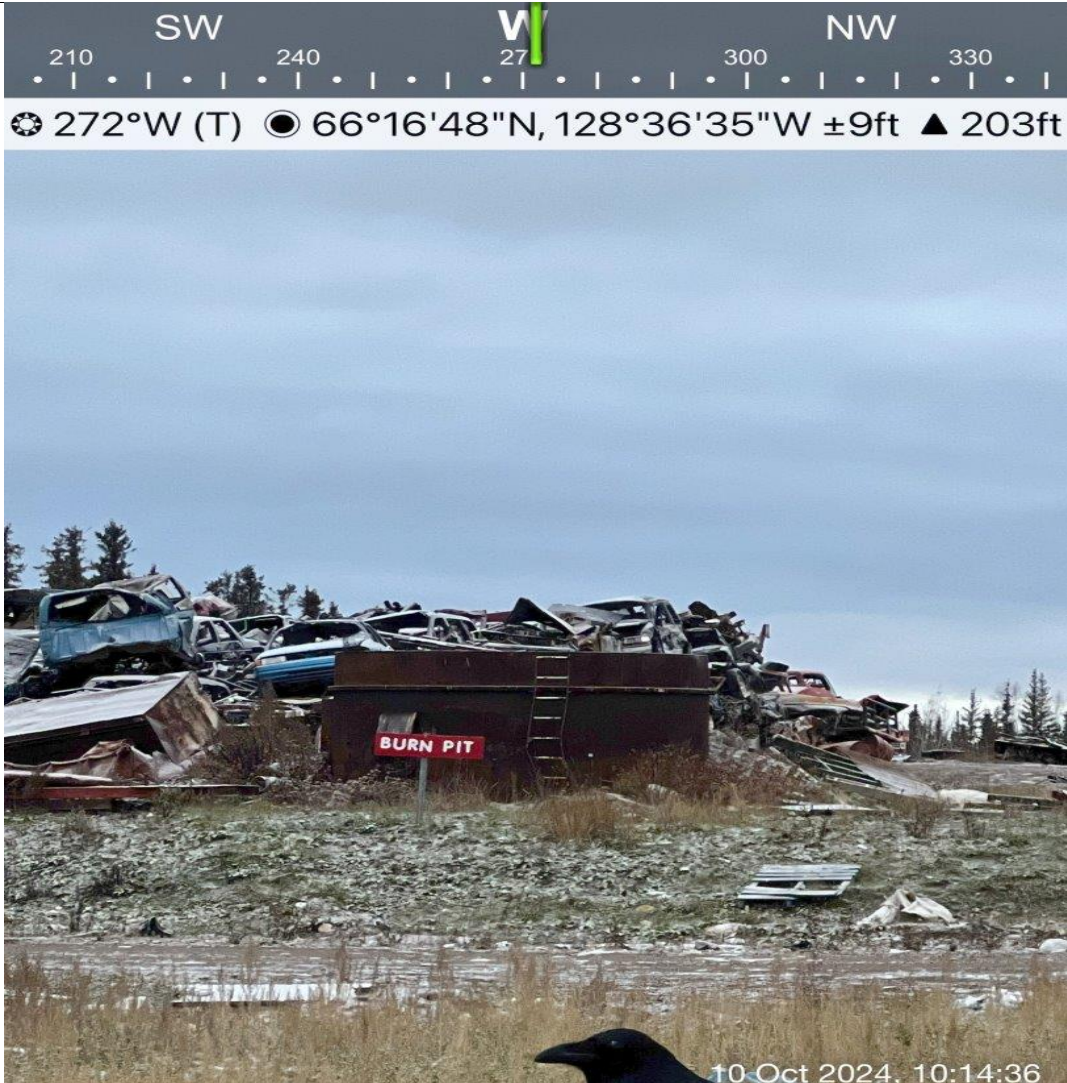


WATER USE INSPECTION REPORT

Figure 7
SNP station located behind the sewage bags (honey bags)



Figure 8
Burn pit at Solid Waste Facility





WATER USE INSPECTION REPORT

Figure 9
Sewage dumping area at Solid Waste Facility

