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Your file - Votre référence

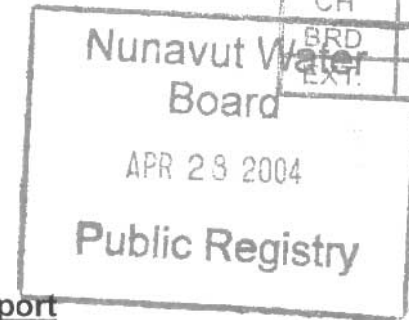
Our file - Notre référence

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September 4, 2003

Unlicensed

Scotty Edgersen, Senior Administrative Officer
Hamlet of Taloyoak
General Delivery
Taloyoak, NU, X0E 1B0



RE: September 4, 2003 Municipal Water Use Inspection Report

The Water Resources Officer (WRO) appreciates the assistance provided during the tour of the Hamlet's water use and waste disposal facilities. Enclosed for your records, is a copy of the Municipal Water Use Inspection Report performed on September 4, 2003. During the inspection the following observations were noted.

Water Supply:

The water at the Water Intake Facility was high, flooding most of the walkway to the intake facility (photo 1 & 2). There was excessive garbage in and adjacent to the intake facility. The store manager of the Northern Store was informed that he was to have all the garbage on store property cleaned up (photo 3). And to remove oil drums and vehicles from within 30 meters from the high water mark (photo 5). The store was also informed to have all oil storage tanks and drums contained in a berm (photo 4). The municipality should place a fence between the store and the potable water lake given the close distance (10 meters) to the Northern Store. The water treatment plant was clean and properly operating (photo 6). Concerns were raised with regards to the size and age of the conveyance line from the Water Intake Facility to the Treatment Plant.

Sewage Disposal:

The sewage truck discharge station was observed to be dangerous due to erosion (photo 11 & 12). The municipality was instructed by the WRO to fill in the eroded truck discharge stations to prevent serious injury to employees and equipment. The honey bag storage area currently not in use has not been decommissioned as instructed by the WRO in 2002 (photo 13). The municipality was instructed to contact the NWB and obtain authorization prior to the decommissioning of the honey bag storage pit. Sewage

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discharged from the Sewage Disposal Facility primary cell travels through an extensive wetland prior to being discharged to the ocean (photo 14).

Solid Waste Disposal:

Waste oil drums are leaking and require consolidation (photo 7 & 8). Waste batteries are not properly stored. All waste batteries should be stored in a sea lift or similar container. The dump has fence posts surrounding most of the dump however the fence requested in 2002 has not been installed (photo 9). The dump tipping face extends throughout the entire dump (photo 10). The Land Farm adjacent to the dump had partial secondary containment with the aid of a membrane (photo 16). No signs were visible at the land farm (photo 15).

Non-Compliance of Licence:

At the time of inspection the hamlet of Taloyoak did not hold a Water Licence as required under both the *Nunavut Land Claims Agreement* and the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* for the use of water and disposal of waste.

If there are any concerns or questions in regards to this inspection please contact me at (867) 975 4298 or bodykevichc@inac.gc.ca

Sincerely,



Constantine Bodykevich
Water Resources Officer (WRO)
INAC, Nunavut District

- cc.
- Nunavut Water Board, Gjoa Haven (Jim Wall)
 - CG&T, Iqaluit (Doug Sitland)
 - Baffin Health & Social Services, Iqaluit (Bruce Trotter)
 - EC Environmental Protection, Yellowknife (Anne Wilson)
 - INAC Water Management, Iqaluit (Michelle Mc Christie)



P.O. Box 100
Iqaluit, NU, X0A 0H0

September 15, 2003

Scotty Edgerton
Senior Administrative Officer (SAO)
Municipality of Taloyoak
General Delivery
Taloyoak, NU X0E 1B0

Faxed to: (867) 561-5057

Deposit of Waste in Contravention of Nunavut Waters and Nunavut Surface Rights Tribunal Act.

- Inspector's Direction -

I, Constantine Bodykevich; duly designated Inspector pursuant to subsection 85 (1) *Nunavut Waters and Nunavut Surface Rights Tribunal Act*, conducted an inspection on September 5, 2003 of Taloyoak.

At the time of the drafting of this letter Taloyoak was in contravention of subsection 12 of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*. The Water Resources Officer observed drums of waste at Taloyoak with markings consistent with those used for industrial purposes. These drums were not stored in accordance with Hazard Waste Guidelines.

As stipulated in subsection 12 (1) Except in accordance with the conditions of a licence, no person shall deposit or permit the deposit of waste in any other place under conditions in which the waste, may enter waters in Nunavut.

As stipulated in subsection 12 (3) Where waste is deposited in contravention of this section, every person who owns or has the charge, management or control of the waste, or who caused or contributed to the deposit, shall, subject to the regulations, without delay report the deposit to an inspector.

As such, under the authority vested in me pursuant to subsection 87 (1) (ii) of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*, I hereby direct, Scotty Edgerton to immediately:

- ☐ Immediately insure that any 45 gallon drums of oil, fuel and solvent are consolidated and properly stored in an upright position with all bungs in place on level ground with no visible signs of leakage. All drums are to be stored within the municipal solid waste disposal facilities in Taloyoak.
- ☐ Insure that no drums of waste oil, waste fuel or other associated waste products from industrial sources (Nunavut Power Corporation) are deposited to the municipal waste facilities of Taloyoak.

Failure to comply fully or in part with an **Inspector's Direction** constitutes a offence under subsection 90 (1) of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* and entails, upon summary conviction, a fine of \$100,000 or to imprisonment for a term of one year, or both. Further pursuant to subsection 90 (4) of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*, each day on which the **Inspector's Direction** is not complied with shall be considered a separate offence.

If you have any questions or concerns, please do not hesitate to contact me at (867) 975-4298 or bodykevichc@inac.gc.ca.

Sincerely,



Constantine Bodykevich

Water Resources Officer,

INAC - Nunavut District

P.O. Box 100, Iqaluit, NU, X0A 0H0

cc. -Nunavut Water Board, Gjoa Haven

Taloyoak Inspection 2003

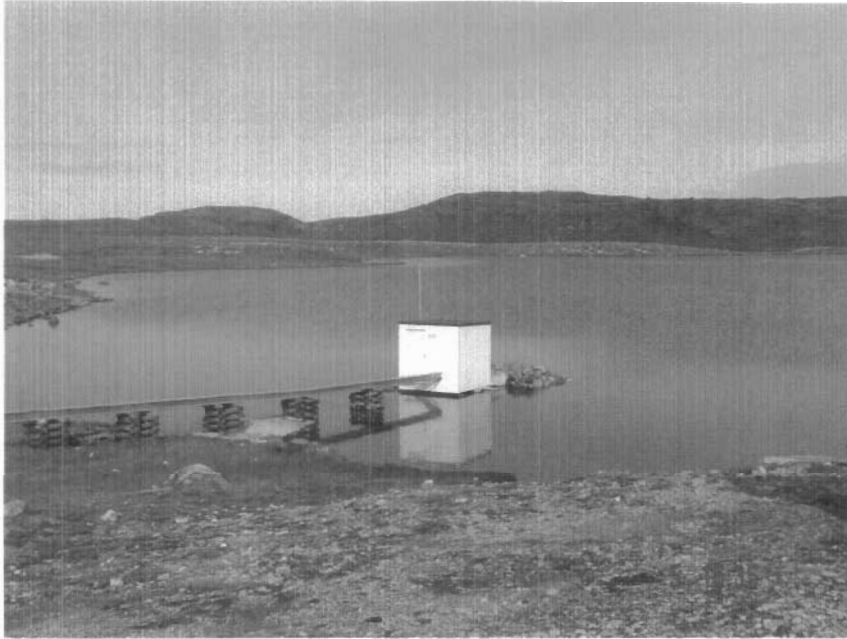


Photo 1. Walkway partially submerged to Water Intake Facility.



Photo 2. Water Intake Facility, water sample N 69.1916.6 W 93.1858.3.



Photo 3. NorthMart store shown within 30 metres of the water lake.



Photo 4. Fuel oil storage located well within 30 metres of the high water mark of the community potable water supply, note no berms.



Photo 5. Waste stored in drums well within the 30 metre high water mark.

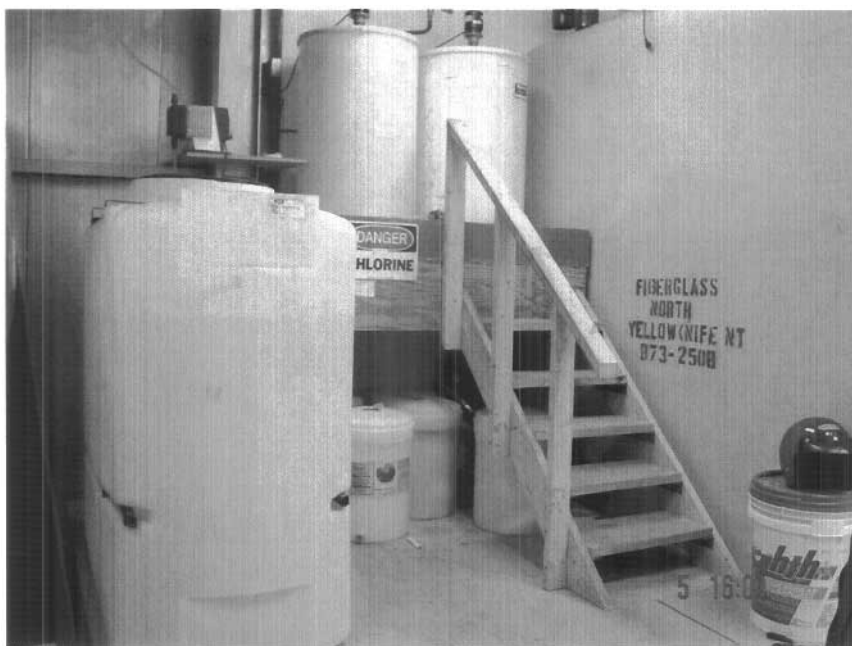


Photo 6. Chlorination system located in Water Treatment Plant.



Photo 7. Waste oil storage area at Solid Waste Disposal Facility.



Photo 8. Old waste oil storage area at Solid Waste Disposal Facility.

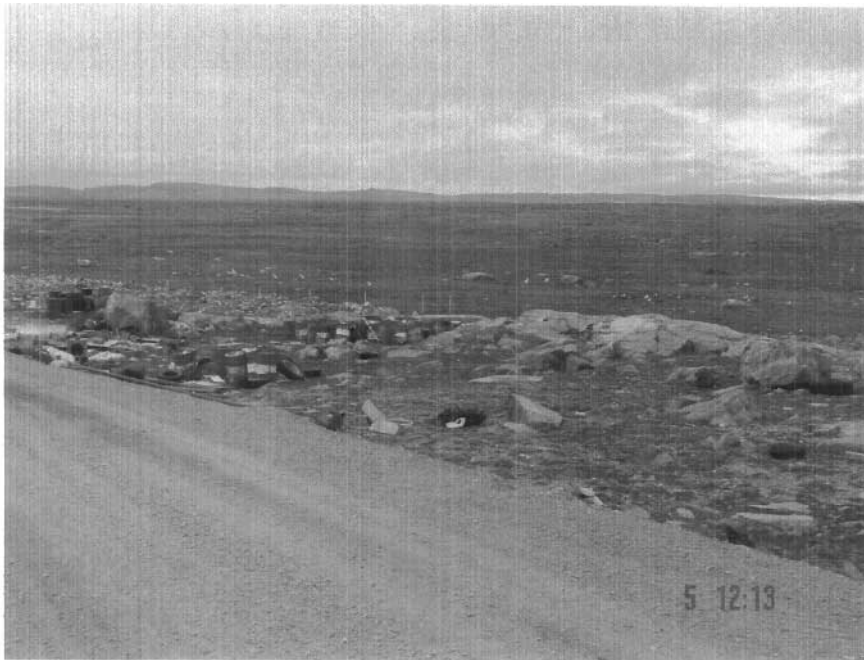


Photo 9. Fence posts with no fence, noted at Solid Waste Disposal Facility.



Photo 10. Solid Waste Disposal Facility tipping face.



Photo 11. Erosion at sewage truck discharge structure.



Photo 12. Sewage truck discharging at sewage truck discharge structure.



Photo 13. Old honey bag disposal pit, pending decommissioning.



Photo 14. Sewage Disposal Facility primary cell, sewage sample
N 69.1923.3 W 93.2110.8.

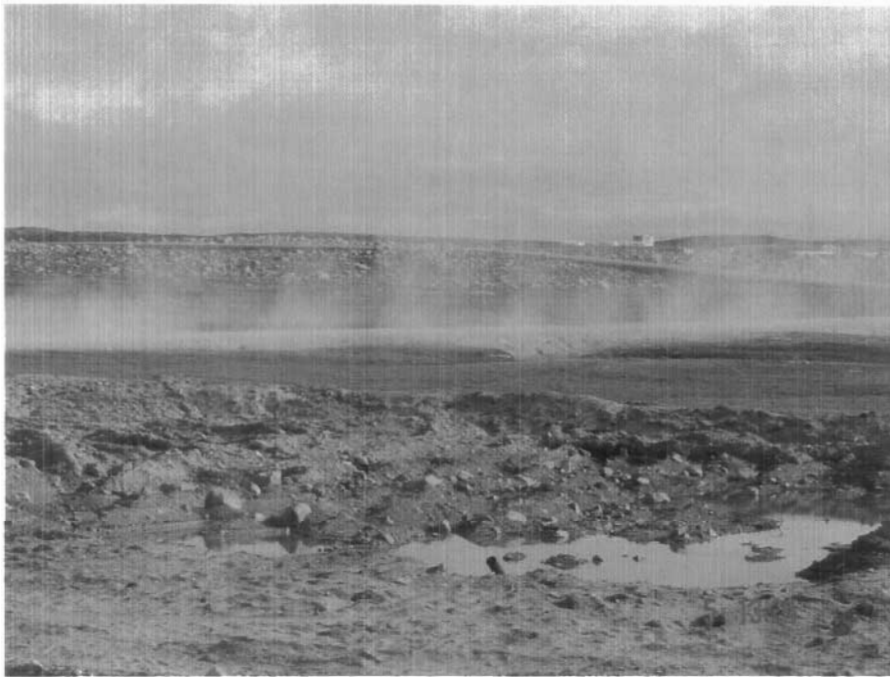


Photo 15. Land farm adjacent to sewage lagoon.



Photo 16. Partial containment by membrane in land farm.



MUNICIPAL WATER USE INSPECTION REPORT

Date: August 5, 2003

Licensee Rep. (Name/Title): Scotty Edgerton/ SAO

Licensee: Hamlet of Taloyoak

Licence No.: Unlicensed

WATER SUPPLY

Source(s): Water Lake

Quantity used: Not metered

Owner:/Operator: Hamlet of Taloyoak

Indicate: **A** - Acceptable **U** - Unacceptable **NA** - Not Applicable **NI** - Not Inspected

Intake Facilities: A

Storage Structure: A

Treatment Systems: A

Chemical Storage: A

Flow Meas. Device: NA

Conveyance Lines: NA

Pumping Stations: A

Comments: Water Intake Facility was operating properly although the water level in the Water Lake was high. The walkway to the intake facility should be maintained such that it is kept high and dry at all times. The municipality raised concerns about the diameter and age of the Water Intake Facility to Water Treatment Plant conveyance line. The Water Treatment and Storage Facility was very well maintained, with chlorination system operating and date log book on site.

WASTE DISPOSAL

Sewage: Sewage Treatment System (Prim./Sec/Ter.): Secondary; over land to ocean.

Natural Water Body:

Continuous Discharge (land or water): water

Seasonal Discharge:

Wetlands Treatment: X

Trench:

Solid Waste: Owner/Operator: Hamlet of Taloyoak

Landfill:

Burn & Landfill: X

Other:

Indicate: **A** - Acceptable **U** - Unacceptable **NA** - Not Applicable **NI** - Not Inspected

Discharge Quality: Sampled

Decant Structure: U

Erosion: U

Discharge Meas. Device: NIL

Dyke Inspection: NA

Seepages: A

Dams, Dykes: NA

Freeboard: A

Spills: NIL

Construction: U

O&M Plan: NA

A&R Plan: NA

Periods of Discharge: A

Effluent Discharge Rate: Not Measured

Comments: Erosion trenches caused by discharging sewage trucks short of discharge chute have caused an unsafe condition for sewage trucks. All erosion trenches should be repaired to eliminate the danger of truck rollovers. The old honey bag storage area adjacent to the sewage lagoon was to be decommissioned in 2002. The sewage lagoon drains to a large wetland with considerable vegetation prior to discharge to ocean. Segregation of some waste was present at the dump although poorly organized. The dump tipping face extends throughout the whole dump this adds to the lack of control at the dump. Fence posts have been installed around the dump but no fencing is in place. Waste oil and solvent drums are scattered at the dump. All drums of waste fuel and oil should be consolidated in a level area that is dry. All bungs and lids shall be placed on drums to reduce further contamination. Lab analysis of samples taken will be forwarded once received by the Inspector.

FUEL STORAGE

Owner/Operator:

Indicate: **A** - Acceptable **U** - Unacceptable **NA** - Not Applicable **NI** - Not Inspected

Berms & Liners: NI

Water within Berms: NI

Evidence of Leaks: NI

Drainage Pipes: NI

Pump Station & Catchment Berm: NI

Pipeline Condition: NI

Not Applicable: NI

Condition of Tanks: NI

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected

Hamlet: NIL

INAC: potable water, sewage effluent

Signs Posted

SNP: NIL

Warning: None Observed

Records & Reporting: Not Applicable

Geotechnical Inspection: Not Applicable

Non-Compliance of Act or Licence: At the time of inspection the Hamlet of Taloyoak did not hold a Water Licence as required under both *Nunavut Land Claims Agreement* and the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* for the use of water and disposal of waste.

Constantine Bodykevich

Inspector's Name



Inspector's Signature

Peter Kusugak

Field Operations Manager Name



Manager's Signature