



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

September 15, 2003

Terry Mc Mullon
Senior Administrative Officer (SAO)
Municipality of Kimmirut
P.O. Box 120
Kimmirut, NU X0A 0N0

Faxed to: (867) 939-2045

Deposit of Waste in Contravention of Water Licence NWB3KIM0207

- 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 July 31, 2003 of Kimmirut.

At the time of the drafting of this letter Kimmirut 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 Kimmirut 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, Terry Mc Mullon SAO Kimmirut 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 Kimmirut.

- ☐ 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 Kimmirut.

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

Kimmirut Inspection 2003



Photo 1. Garbage observed within 100 metres of the Water intake.



Photo 2. Fundo Lake Water Intake Facility.



Photo 3. Chlorination system at Water Intake Facility.

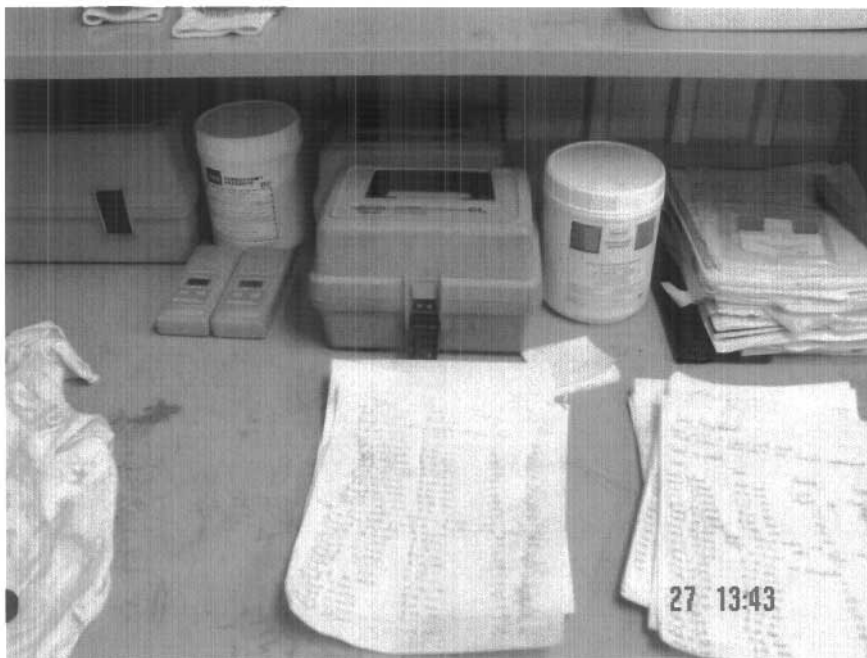


Photo 4. Water test kit and log book at Water Intake Facility.



Photo 5. Truck fill station at Water Intake Facility,
water sample N 62.5011.4 W 69.5306.5.



Photo 6. Water Intake Facility intake line and auxiliary intake line at back of
Intake Facility.



Photo 7. Auxiliary truck fill station intake pipe.



Photo 8. Garbage observed within 5 metres of auxiliary truck fill station.



Photo 9. Garbage discarded along road to Water Intake Facility.



Photo 10. Metal dump area at Solid Waste Disposal Facility.



Photo 11. Drums of waste oil improperly stored at dump.



Photo 12. Partial fence at Solid Waste Disposal Facility.



Photo 13. Sewage truck discharge station, old honey bags in photo centre.



Photo 14. Sewage discharge path, a large amount of garbage is transported by sewage flow, sewage effluent sample N 62.5026.5 W 69.5228.0.



Photo 15. Path of sewage flow to ocean.



Photo 16. Contaminated soil observed at waste oil storage area.



Photo 17. Tipping face at Solid Waste Disposal Facility.



Photo 18. Alternative tipping faces at dump..



Photo 19. Access road to New Solid Waste Disposal Facility, not currently in use.



Photo 20. New Sewage Lagoon, not currently in use, retention berm at photo left.



Photo 21. Kimmirut Housing Corporation office in Kimmirut.



Photo 22. Waste oil at Kimmirut Housing Corporation, stored to close to water at back of building.

MUNICIPAL WATER USE INSPECTION REPORT

Date: August 27, 2003

Licensee Rep. (Name/Title): Terry Mc Mullon/ SAO

Licensee: Hamlet of Kimmirut

Licence No.: NWBKIM0207

WATER SUPPLY

Source(s): Fundo Lake

Quantity used: not metered

Owner:/Operator: Hamlet of Kimmirut

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

Intake Facilities: A Storage Structure: NA Treatment Systems: A Chemical Storage: A

Flow Meas. Device: NA Conveyance Lines: NA Pumping Stations: A

Comments: The Water Intake Facility generator that was not operating in 2001 and 2002 has been replaced and was operating. The chlorine system was leaking and required maintenance. The alternate water truck refill station appeared to be in use. Garbage associated with truck intake screening was noted at alternative refill station. There were log book records of chlorine measurements on site. There was no signs or spill protection equipment located near the intake facility. Most of the water storage tanks in the municipality have been cleaned in 2003.

WASTE DISPOSAL

Sewage: Sewage Treatment System (Prim./Sec/Ter.): Primary; discharge into dump then seepage over land to ocean.

Natural Water Body: Continuous Discharge (land or water): land

Seasonal Discharge: Wetlands Treatment: Trench:

Solid Waste: Owner/Operator: Hamlet of Kimmirut

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: U

Dams, Dykes: NA Freeboard: NA Spills: NIL

Construction: NA O&M Plan: U A&R Plan: U

Periods of Discharge: A Effluent Discharge Rate: Not Measured

Comments: The Solid Waste Disposal Facility is in very poor operational condition. Waste oil drums were not properly stored in an upright position, signs of leakage from waste drums was visible. There appeared to be several tipping faces in use at the dump adding to the uncontrolled nature of the facility. Water from the municipal tank farm was being discharged through the dump, this practice should be discontinued. The old honey bag disposal area which is no longer in use has become the discharge location for the sewage trucks. This practice is not acceptable. The municipality has been directed to cover the old honey bag area. The sewage truck discharge shall be relocated (down stream about 10 meters) to minimize the flow of sewage through the dump. Waste presently stored along the water lake road adjacent to the dump shall be placed within the dump fence. The new dump and sewage lagoon have yet to be put into use. The municipality has voiced some concerns with respect to wind blown garbage from the new dump. The municipality has indicated that they do not have any plans for the new sewage lagoon or dump, CG&T should supply the municipality with the required information. Lab analysis 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: KIM-1, KIM-3

Signs Posted SNP: NIL

Warning: None Observed

Records & Reporting: Unacceptable

Geotechnical Inspection: Not Applicable

Non-Compliance of Act or Licence: The new dump and sewage lagoon is situated adjacent to Katanilik Territorial park. At the time of inspection the Hamlet of Kimmirut was in breach of the Nunavut Waters and Nunavut Surface Rights Tribunal Act for the disposal of waste. part D Item 6 the licensee shall maintain the Sewage Disposal Facility to the satisfaction of the Inspector. part D Item 7 the Licensee shall dispose and contain waste at the Solid Waste Disposal Facility. Part B General Conditions Item 7 The Licensee shall ensure a copy of the Licence is maintained at the municipal office and any communications with respect to the Water

Constantine Bodykevich

Inspector's Name



Inspector's Signature

Peter Kusugak

Field Operations Manager Name



Manager's Signature