



Indian and Northern
Affairs Canada

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et du Nord Canada

Nunavut Water
Board

AUG 28 2008

Public Registry SAO - Guido Tigraveark

MUNICIPAL WATER USE INSPECTION FORM

SAO - Merrill Boudreau

DATE: 15 Aug 2008 (Aug 14 & 15)

COMPANY REP.: A/Foreman - Etienne Kakkaniun

LICENSEE: Hamlet of Kugaaqruk

LICENCE #: Unlicensed (Application for renewal dated 2006 on NWB ftp site)

WATER SUPPLY

Source (s): Kugaaqruk River

Quantity Used (to date): Unknown - meter is present (estimate or actual) but no log is kept.

Owner/Operator: Hamlet

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

Intake Facilities: U Storage Structure (No Holding Tanks) N/A Treatment Systems A Chem. Storage U

Flow Meas. Device U Sonvey. Lines A Pumping Stations U

Comments: Pump station - 2 rooms. (1) Generator (2) Chlorination - No ventilation in either room - extremely dangerous health & safety concern; evidence of leaks not cleaned up in generator room and evidence of corrosion in chlorination room.

WASTE DISPOSAL

Generator room - lack of maintenance and housekeeping. Lagoon is being upgraded and lower bermed area installed for decanting purposes but has no impervious layer.

Sewage Sewage Treatment System (primary/secondary or tertiary)

Natural Water body

Continuous Discharge (land or water)

Seasonal Discharge

Wetlands Treatment

✓ SAMPLE taken within wetland area. Trench

Solid Waste: Owner/Operator: Hamlet

Landfill

Burn & Landfill

✓ (U)

other Metals Dump & waste Oil Area (U) Landfill for Contaminated Soil

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

Disch. Quality U Decant Structure U - No impervious layer Erosion A

Disch. Meas. Dev. N/A Dyke Inspection N/A Seepages Yes (U)

Dams, Dykes N/A Freeboard A Spills N/A

Construction Yes O & M Plan No (U) A & R Plan No

Periods of Discharge: Unknown at this point. Effluent Discharge Rate: Unknown

Comments:

This summer & last summer the Hamlet has been dumping sewage into the decanting area which flows directly through a small wetlands area and into the Bay, while expansion of old lagoon was underway.

FUEL STORAGE

Owner:

Operator

Condition of Tanks A

Berms & Liners A Water within berm: Yes (U) Evidence of Leaks: No

Drainage Pipes N/E Pump Station and Catchment Berm U (Town pump station)

Pipeline Condition A Not Applicable: -> finding water nearby - high risk for spills entering freshwater -> ocean.

SURVEILLANCE NETWORK PROGRAM

Samples Collected: (Hamlet) River (Potable): Downhill of Metals Dump area; Downhill of Lagoon in wetlands area. (DIAND)

Signs Posted: SNP Signs not posted yet; According to Kudlik Warning No warnings posted. This will be done in several days.

Record & Reporting

(U) - Currently a lack of proper recording & reporting by the Hamlet (volumes used; Geotechnical Inspection: daily chlorination level checks, etc.); no copies of training provided to water treatment operators or spill response training could be found.

Non-Compliance of Act or Licence: Lack of reporting Lack of training records & CGS

Lack of segregation for all dump sites; Kudlik is cautioned that burial of current metals dump area without proper hazardous waste disposal will not be permitted by the Inspector.

Page 2 attached Yes ✓ No

SENIOR ADMINISTRATIVE OFFICER

Licensee Representatives Title

Merrill Boudreau aug 16/08

Licensee Representatives Signature

MEISSA JOY

Inspectors Name

M Joy

Inspectors Signature



WATER USE INSPECTION REPORT (continued)

Date: 15 Aug 08

Hamlet of Kugaaruk

Licence #: Unlicensed.

General Comments: (Continued)

- Diamonds North waste barrels were discovered in metals dump; the Hamlet is cautioned that without a license or a signed legal agreement, that the Hamlet is not permitted to accept outside waste.
- Lack of signage throughout the community (Potable water, SNI stations, Landfill, etc. and soil land farm areas).
- Metals dump area → blue drums of an unknown, red powdered chemical were observed. Mixed wastes present (batteries, carcasses, oil filters).
- Municipal dump area is also ~~also~~ very messy and wastes are mixed.
 - ↳ A fence is installed ✓
 - ↳ Several "leaching" areas apparent.
- Several old landfill sites found (below current metals dump area and beside lagoon).
- Lagoon → evidence of heavy leaching from below ^{proposed} "decant" area (lush vegetation and moving water through scum/brackish pools down the hillside).
- More information needed on landfill area; more communication required between Hamlet and CGS on O&M issues as well as current construction projects.
 - ↳ Kuduik to demonstrate better practices in terms of using appropriate secondary containment where using petroleum-based products.

INSPECTOR'S DIRECTION:

- Hamlet and CGS to provide a response to the Inspector within 90 days with a plan to address the issues identified during the inspection, to the satisfaction of the Inspector and the NWB.
- The chlorination testing system/protocol has not been conducted for the last 3 weeks; Hamlet is to rectify this situation immediately.

NWB AUG 16/08

M Joy MELISSA JOY
Water Inspector