



Inspection Report

License #: 3BM-KIM

Inspector: A. Keim

CIDMS # 365873

Client	Municipality of Kimmirut		
Mailing Address	Box 120		
Inspection site location	Kimmirut , Nunavut		
Contact name	Ms. Akeego Ikkidluak - SAO	Mr. Killiktee Padluq - Foreman	
Last inspection date	July 20, 2007		
Inspection start date	August 17, 2009		
Region	Qikiqtani		



INAC, Nunavut District
P.O. Box 100
Building 918
Iqaluit, NU, X0A 0H0

Submitted Via E-Mail
Our File: 3BM-KIM0911
Your File: _____
CIDM # 365873

November 6, 2009

Ms. Akeego Ikidluak
Senior Administrative Officer
Municipality of Kimmirut
Box 120
Kimmirut, Nunavut
XOA ONO

RE: August 17th 2009 Municipal Water Licence Inspection – Kimmirut 3BM-KIM0911

The following inspection report was generated on an inspection conducted to determine compliance with the terms and conditions of the renewal Water License issued to the Hamlet of Kimmirut by the Nunavut Water Board (NWB). The report references the water license and the findings observed at the time of Inspection. During the writing of this report a review was undertaken of the documents located on the Nunavut Water Board's FTP site.

The Inspector would like to thank Killiktee Padluq for taking the time to meet during the inspection period and for acting as a guide for the Inspector.

Previous findings:

2003: Direction issued by INAC

The community of Kimmirut has a current Water License (3BM-KIM0911) issued on January 9, 2009. The term of the Water License is two years. The duration is based on compliance issues raised by Inspections conducted under the previous license (3BM-KIM0207).

Between 2002 and 2008 the following are reoccurring issues of Non-compliance within the Municipality that have been recorded;

- Failure to file complete Annual reports.
- Failure to submit Operations and Maintenance manuals and plans.
- Failure to conduct the required sampling as per the License.
- Failure to submit Abandonment and Restoration Plans.
- Failure to segregate hazardous materials.
- Failure to segregate wastes in Municipal Waste Management Area.
- Failure to develop and submit Spill Contingency Plans.
- Failure to submit QA/QC Plan as required.
- The Municipality continues to discharge effluent directly to a ditch 100 m from the foreshore.

During the period of the 2009 Inspection the following was identified by the Inspector;

- Annual report had been filed for 2007 and 2008.
- Draft / incomplete Operations manuals had been filed in support the Licensee's amendment application, May of 2009. These were subsequently rejected.



- Hazardous wastes were noted within the Municipal land fill area (Current).
- The Municipal Land fill area requires segregation and proper fencing to prevent transport of wastes off-site.
- Hazardous wastes, vehicles, noted in the new waste management area (Not commissioned).
- No sampling program had been initiated as required.
- Lack of appropriate signage and Surveillance Network Program (SNP) markers.
- Wind blown garage had been removed from around the potable water source by Local students.

The Licensee indicated to the Inspector that they require assistance to complete the tasks necessary to come into compliance and have asked the Government of Nunavut for the following;

- Assistance to repair the road to the new dump and lagoon as it is unsafe to travel (since 2006).
- Assistance to repair / replace the new Lagoon (built 2001) which remains un-commissioned.
- Assistance to relocate the new landfill from on top of the mountain to a more suitable location.
- Assistance to construct a hazardous wastes area.
- Assistance to produce the required operations and maintenance manuals.
- Assistance to develop the required Abandonment and Restoration plans as required.

Samples collected down-gradient from the discharge ditch by the Inspector returned the following results;

Parameter:	Result	NWTELS ¹ Criteria
Iron	1360 µg/L	300 µg/L
Manganese	113 µg/L	50 µg/L

Non-Compliance: Issues identified during the August 17th, 2009 inspection and/or review of relevant material.

Issues with a known or anticipated human health impacts;

- Sewage treatment in the community is nonexistent – Direct discharge continues.
- The License has continued to fail to collect and submit for analysis the samples required under the Monitoring Program (Part H).

Issues where there is a known or anticipated environmental impairment;

- Failure to segregate and contain hazardous wastes.
- Failure to install suitable fencing to prevent off site migration of municipal wastes.

Issues where there is a known or suspected violation of a requirement of the Water License;

- Failure to Submit required Annual reports (Part B (1 a through m)).
- Failure to Install and maintain the appropriate signage, and Stations of the Monitoring Program (Part B (5)).
- Submit as required a Plan for Compliance (Part B (11)).
- Submit Complete and site specific Operation and Maintenance Manuals as required (Part F (1)).
- Failure to segregate, contain and store all hazardous materials within the Solid Waste facility (Part (D)).
- Failure to supply an Abandonment and Restoration Plan as required (Part G (1)).
- Implement the requirements listed under the Monitoring Program (Part H).
- Submit a QA/QC Plan as required (Part H (10)).

The Municipality of Kimmirut continues to operate in Non-conformity with the issued license. The Licensee is strongly encouraged to contact the Nunavut water Board and the inspector to determine what is required to achieve and maintain compliance with the current license and the Act.

¹ NWT Limits for Effluent Parameters for specific Discharges Criteria



Indian and Northern
Affairs Canada

Affaires indiennes
et du Nord Canada

Andrew Keim

Inspector's Name

Inspector's Signature

Cc:

Peter Kusugak – Manager Field Operations Section- Indian and Northern Affairs Canada

Phyllis Beaulieu – Manager Licensing – Nunavut Water Board











WATER TREATMENT PUMP HOUSE RECORD SHEET

Date	Free Chlorine 0.2-0.4mg/L	Chlorine Injector Setting	Amount of Water used in Mix	Amount of Chlorine Added	Volume of Water Pumped	Water Meter (Gallons)
July 15, 2009	0.25	New Batch 4 cups	20 gallons		10,000	10,000
July 16, 2009	0.25				10,000	10,000
July 17, 2009	0.25				10,000	10,000
July 18, 2009	0.25	New Batch 4 cups	20 gallons		10,000	10,000
July 19, 2009	0.25				10,000	10,000
July 20, 2009	0.25				10,000	10,000
July 21, 2009	0.25				10,000	10,000
July 22, 2009	0.25				10,000	10,000
July 23, 2009	0.25				10,000	10,000
July 24, 2009	0.25				10,000	10,000
July 25, 2009	0.25				10,000	10,000
July 26, 2009	0.25				10,000	10,000
July 27, 2009	0.25				10,000	10,000
July 28, 2009	0.25				10,000	10,000
July 29, 2009	0.25				10,000	10,000
July 30, 2009	0.25				10,000	10,000
Aug 1, 2009	0.25				10,000	10,000
Aug 2, 2009	0.25				10,000	10,000
Aug 3, 2009	0.25				10,000	10,000
Aug 4, 2009	0.25				10,000	10,000
Aug 5, 2009	0.25				10,000	10,000
Aug 6, 2009	0.25				10,000	10,000
Aug 7, 2009	0.25				10,000	10,000
Aug 8, 2009	0.25				10,000	10,000
Aug 9, 2009	0.25				10,000	10,000
Aug 10, 2009	0.25				10,000	10,000
Aug 11, 2009	0.25				10,000	10,000
Aug 12, 2009	0.25				10,000	10,000
Aug 13, 2009	0.25	New Batch 4 cups	20 gallons		10,000	10,000
Aug 14, 2009	0.25				10,000	10,000
Aug 15, 2009	0.25				10,000	10,000
Aug 16, 2009	0.25				10,000	10,000
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