

Multi Year Municipal Compliance Summary

Baker Lake

3BM-BAK1015

Source: Baker Lake
Start and Expiry dates: 6/23/2010 6/30/2015
Status: Active
Sampling: None

Administrative Reporting General

The Municipality was issued a license in 2010. Prior to the issuance of the 2010 License the Licensee operated between 2004 and 2010 without the authority of a Water license. During this period the Hamlet of Baker lake did not file a single annual report, conduct any sampling under the monitoring plan nor implement any of the recommendations of the Inspector. The Licensee also failed to undertake the requirements of an Inspector's Direction issued in 2008.

2007 Reporting

- The Municipality of Baker Lake remains unlicensed.
- Operation and Maintenance Manuals have not been submitted
- Annuals reports have not been submitted
- The Waste management area is not segregated and waste oils are leaching into the ground
- SNP stations have not been identified by the licensee

2008 Reporting

Unknown

2009 Reporting

The Government of Nunavut continues to retain the ownership of the pump house, intake and treatment facilities, and employs staff in the community to provide water treatment services to the Municipality of Baker Lake. This has been the case for a number of years. The Government of Nunavut, Department of Community and Government Services should apply for a Water License for this activity. This would be consistent with previous licensing precedents in communities such as Rankin Inlet and Resolute Bay. The ownership and operations of the facility were confirmed by staff on site during the period of Inspection.

- Failure to file Annual Reports
- Failure to take steps to prevent and control the migration off site of runoff from the Solid Waste Management Facility (installation of ditches or berms)
- Failure to segregate wastes in the Municipal Waste Management Area
- Failure to properly store and contain Hazardous wastes
- Sewage is discharged directly to the environment without treatment.
- Failure to collect and submit for analysis the samples required on the Monitoring Program.
- Failure to undertake such water management to control runoff from the waste management area
- The Licensee is required to segregate hazardous materials into a lined and controlled area
- Failure to properly store and contain hazardous wastes
- Failure to contain and remediate the release of hazardous materials
- Failure to maintain and control the Municipal Waste Management Area
- It has been a period of over 4 years since the Municipality has had a Water License.
- The Municipality failed to follow the terms and conditions contained within the **Inspectors Direction** issued on August 12, 2008.
- Currently the Municipality is operating in Non-compliance with the Nunavut Waters and Nunavut Surface Rights Tribunal Act.

2010 Reporting

Potable Source

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The Government of Nunavut, Dept. Community and Government Services provides the oversight and drinking water treatment services for the community. Government of Nunavut staff were available to provide access to the pumping station for inspection. It is clear a license for this activity should be applied for

- Samples were collected and chlorination records were available for review.
- A review of records found that not all water delivery trucks are tested on a daily basis- Recommended change to SOP

Waste: Lagoon

- Sewage from the community is discharged into a ditch which flows into a low walled hollow or Lagoon
- Effluent from the lagoon runs in a continual flow down gradient through an obvious channel to a small lake
- From this lake effluent travels again down gradient to a marshy area and via a culvert to a second lake. Samples were collected at the 1st culvert. From the second lake a lowland valley channels the effluent to a final lake (Finger Lake system) and to finally discharge into Baker Lake... the Potable Water Source.
- An obvious sheen was noted in the run-off from both lakes
- It is suspected that the sheen is from Hydrocarbons leaching into the effluent stream from the Hazardous materials and waste oil storage adjacent to the Lagoon. Leaks and spills of waste oil and other unidentified products were noted on the ground and in the wetlands

Waste: Solid Waste Management Area

- Municipal waste management area had construction materials and batteries in the burn areas. Insulation was found to have been recently burned on site. Lack of segregation and removal of hazardous materials from the Municipal waste is a contravention of the license
- In the Hazardous waste management area batteries were noted both stacked outside and inside a sea-can. The batteries need to be properly crated and shipped off site
- A large number of these batteries were broken open and on the ground. No liner was present at the site
- Drums of waste oil and other unknown fluids remain on site. They are stored haphazardly and without any form of secondary containment. Many leaks and spills from these barrels were noted throughout the facility
- Waste oil and other hydrocarbons are likely the cause of an oil sheen on the effluent stream running adjacent to the hazardous wastes area
- The Municipality was required to have addressed this issue prior to the 2010 Inspection
- It is noted that the Municipality was recently issued a license, however further acceptance of hazardous wastes from outside the community is to be prohibited until such time as a plan to address the current state of the Hazardous wastes within the Waste Management Area is submitted and approved by the Nunavut Water Board and the Inspector. It is to be noted that private contractors within the Municipality take possession of these wastes and then transport into the Municipal Waste Management area in the community

Non-Compliance

- The Government of Nunavut requires a water license for their activities
- The applicant has also not filed, since 2005, any of the required annual reports
- None of the recommendations contained within the last Inspection report (2009) have been addressed by the Municipality. Hazardous wastes continue to leach into the ground around the waste management area, spills remain uncontained, no secondary containment is present within the facility and hydrocarbon contaminated soils and waste oil are found within the Non-hazardous waste management area

NB: the Inspector recommended that formal enforcement action up to and including prosecution jointly between the Government of Nunavut and the Municipality of Baker Lake is warranted in these circumstances and is recommended.

N.B: The Inspector has 2 years to lay charges.

2011 Reporting

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No information available

HAMLET OF BAKER LAKE

3BM-BAK1015

Non-compliance Overview between 2007 and 2011

It is noted that the community of Baker Lake operated wholly outside the authority of a license and the Nunavut Water and Nunavut Surface Rights Tribunal Act between 2004 and 2010.

Specifically;

Annual reports filed in 2009 for the periods ending in 2006, 2007, 2008 and 2009 are incomplete and inaccurate.

The Annual report filed in 2010 is incomplete

The Municipality failed to take actions as directed by the inspector to prevent the release of hydrocarbons into Water.

The Municipality failed to follow and comply with an Inspectors Direction

The Municipality failed consistently sample drinking water, effluent or contaminated contact water migrating from the waste

Part B (1a-g) Failure to submit annual reports as required (this includes those requirements as listed in Part H – Monitoring Program)

Part B (5) Failure to install and maintain adequate signage

Part B (7) Failure to maintain a copy of the License at the Municipal Office

Part B (8) Failure to provide copies of reports and Plans in the specified number and format

Part B (10) failure to submit a **Compliance Plan** as required by the Board

Part F (1) Failure to submit O&M Manuals as required

Part G (1) Failure to submit to the Board for approval an Abandonment and Restoration Plan

Inspections and review completed by Field Operation Section, AANDC