

Multi Year Municipal Compliance Summary

Kugaaruk

3BM-PEL0712

Source:

Kugajuk River

Licensee:

Hamlet

Start and Expiry dates:

9/7/2007

12/31/2012

Status:

Active

Sampling Results:

None

Reporting General

Failure to file Annual reports in a timely manner

Truck sampling (chlorination) records incomplete

2011 - O&M Plan acceptable,

A&R Plan Unacceptable

2007 Reporting

- During the 2007 inspection the Hamlet had already begun constructing a new sewage lagoon just above the old lagoon.
- The landfill is not fenced in and there is wind blown garbage all over the place.
- The Hamlet of Kugaaruk must put up SNP stations for the water quality monitoring outlined in the water licence (PEL-1, PEL-2, and PEL-3). These stations should be marked with GPS in the event that the signs have been taken down or removed.
- Reporting and sampling requirements have not been met.

2008 Reporting

Unknown

2009 Reporting

- Water intake station/truck fill station is only point of water treatment; no testing done on weekends when casual truck drivers are used; issues with corrosion and lack of ventilation in the Pump House were identified; signage needs replacement
- Lack of monitoring and reporting
- Newly constructed sewage lagoon and solid waste facilities; Kudlik contractor on site conducting clean up and management of sites.
- Signage for designated drop-offs points and segregation not yet in place
- Signage in place for monitoring points
- Much garbage and wind-blown debris outside fenced areas requires cleanup
- Hamlet has not yet designated personnel to manage solid waste facilities
- Diamonds North waste deposited in metals dump (last year) has been removed
- Refuelling station poses environmental risk: stream runs around it; poor housekeeping
- Fuel Tank farm: direct discharge of water from secondary containment berm without testing or treatment to the environment.
- Kudlik (contractor) lay down area: Equipment and fuel stored on site without secondary containment
- Hamlet garage area (near Apron B): Equipment and fuel stored on site without secondary containment, including leaking fuel tanks, fuel drums, open pails of petroleum-based product, batteries
- Quarry Pond area –requires clean-up of debris and contaminated soil
- Exploration camp debris stored behind airport parking lot

2010 Reporting

Potable Source

- Keys to Pumping station could not be located – No Access during Inspection.
- Pumping station had a fire earlier this year.

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- Samples collected by Inspector
- Chlorination records not available for review

Waste: Lagoon

- Primary and secondary cell system. Commissioned in 2009. No Decanting has taken place as yet to date.
- No flow from secondary cell, No decant at the time of the Inspection
- No samples collected

Waste: Solid Waste Management Area

- Some segregation noted
- Walled and lined containment cells have been breached
- No barrels were noted within the containment
- Area for segregation of batteries on site. Not contained or secured from the elements
- Contact water found migrating off-site
- Wind blown garbage noted at Municipal site
- Proper management of the Municipal WMA is required (burning and cover)
- unknown red power substance found previously was found to have oxidized and turned a metallic green color and hardened into hard packed clay

Non-Compliance

- Failure to properly keep records and submit the required Annual report
- Failure to implement the monitoring program and conduct required testing
- Failure to manage the Waste Management Area
- Municipality was required to submit with their 2010 annual report a **Plan for Compliance**

2011 Reporting

Potable Source:

- Hamlet staff were not available to take part in the Inspection
- No Annual Reports have been filed by the licensee for the 2010 year
- No signage has been installed at the pumping station.
- Truck sampling records were incomplete and reflect inconsistent sampling. Three weeks of information was missing
- Chemicals were all stored at Pump house, no safety equipment was noted within the facility for staff mixing the chlorine.

Waste: Lagoon

- The Waste Water Lagoon in the community is newly constructed (2009) Decanting of the lagoon has not yet occurred this year
- It is unclear if the second cell was decanted last year as none of the sampling results nor annual report have been filed by the licensee
- Lack of Signage/ Warnings also continues to be an issue

Waste: Solid Waste Management Area

- Metal wastes within the facility are segregated into piles in the facility
- A battery pile (no secondary containment or cover) was also noted
- **Containment Cells remain breached – No work to address undertaken since 2010.**
- Barrels and other waste stored on a second site
- Water running through and off the facility is not contained or managed in any way

Non-Compliance:

- The Annual Report for 2010 has not been filed with the Nunavut Water Board.
- None of the required sampling has been undertaken by the licensee. Records are not available for review and up-dated plans and manuals have not been filed with the Nunavut Water Board.
- In 2010 the Licensee was directed to provide a Plan for Compliance to the Nunavut Water Board and the Inspector. This Plan has not been filed as required.
- It is unclear what efforts if any the Licensee has undertaken over the past year to come into compliance with the Act or expired license.

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HAMLET OF KUGAARUK 3BM-PEL0712 **Non-compliance Overview between 2007 and 2011**

N.B: Application for renewal has not yet been submitted (at the time this was composed)

Failure to submit the **Compliance Plan** as required by the Inspector

Failure to submit required addendum to the submitted O&M Manual for the Sewage lagoon to address deficiencies identified during the review period.

Failure to submit required addendum to the submitted O&M Manual for the Solid Waste Facility to address deficiencies identified during the review period.

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

Part B (2) Failure to provide notification to the Inspector as required

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

Part D (5) Failure to provide 10 day notification to the Inspector.

Part E (1) Failure to provide signed and stamped drawings to the NWB

Part F (1) Failure to submit to the Board for approval, the required Plans and manuals including the following;

Water Collection and Distribution Operation and Maintenance (O&M) Manual

Environmental Emergency Contingency Plan For Water, Sewage and Solid Waste

Operations in the Hamlet of Kugaaruk, Nunavut

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