



MUNICIPAL WATER USE INSPECTION FORM

Date: October 23, 2013	Licensee Rep. (Name/Title): Paul Clow, Keith Coutier, Paul Keenainak
Licensee: City of Iqaluit	Licence No.: 3AM-IQA0712 Expired

An inspection was completed on October 23rd, 2013 to assess the state of compliance of the Licensee with the terms and conditions of the 3AM-IQA0712 Water Licence. While on inspection, the inspector (Justin Hack) met with a couple representatives from the city including Paul Clow, Keith Coutier, Paul Keenainak. The inspector notes that the City of Iqaluit's license has expired but the City must still ensure compliance with the terms and conditions of the expired license until a new license is issued and the expired license is cancelled. On August 30, 2013, the City has initiated a Renewal Application

WATER SUPPLY

Source(s): Lake Geraldine	Quantity used: 8422.67 ML
Owner:/Operator: City of Iqaluit	

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

Intake Facilities: A	Storage Structure: A	Treatment System: A	Chemical Storage: U
Flow Meas. Device: A	Conveyance Lines: A	Pumping Stations: A	Screen: NI

Comments: During the Inspection of the Water Treatment Plant the Inspector identified the following:

- One of the two UV light filters was found not to be functional at the time of inspection; however, there is a plan in place to address this issue if the working UV filter goes down.
- Water sampling and daily testing records were found complete and in order.
- At the time of inspection, some of the chemicals were not contained within the secondary containment system. It is noted that these chemicals were recently delivered on the sealift and in the process of being properly stored. It is expected these will be properly stored immediately.
 - Furthermore, the chemicals within the secondary containment system were stacked two high and pose a risk of falling. It is recommended that these barrels be secured immediately with straps as soon as possible to prevent any accidents and spills.
- Repairs to the Dam were noted, as part of the 2012 Dam Safety Inspection.
- PPE and MSDS documentation was observed onsite.

WASTE DISPOSAL

Sewage: Sewage Treatment System (Prim./Sec/Ter.): Solids Removal

Natural Water Body: No	Continuous Discharge (land or water): Yes	
Seasonal Discharge: Decant of lagoon as required	Wetlands Treatment: N	Trench: None

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

Discharge Quality: U	Decant Structure: A	Erosion: A
Discharge Meas. Device: NI	Dyke Inspection: NI	Seepages: A
Dams, Dykes: A	Freeboard: A (at lagoon)	Spills: A
Construction: A	O&M Plan: A	A&R Plan: U
Periods of Discharge: Cont.	Effluent Discharge Rate: based on estimate only	

Comments: During the Inspection of the Waste Water Treatment Facility the Inspector noted the following:

- Daily sampling results and logs found on site were up to date. The Inspector did not collect any samples while on site.
- The Wastewater Treatment Plant Operation and Maintenance Manual were submitted as part of the Renewal Application.
- During the inspection, the Licensee noted that a single concentration test was completed instead of an LC50 test. Inspector Keim confirmed this was sufficient for 2013, but the licensee confirmed an LC50 will be completed in 2014. Please confirm to the inspector, by January 31st 2014, when this will be completed for 2014.
- The decanting of the Emergency Lagoon, in preparation for winter conditions was occurring to ensure sufficient capacity is available to address a prolonged outage of the SWWTP.
- A spill report in reference to the contaminated soil found adjacent to the winter truck discharge area has been submitted. This location appeared to have been remediated; this observation was confirmed by SWWTP staff.
- Improperly stored corrosive barrels of chemicals were noted in the basement loading dock. SWWTP staff commented that these barrels may contain other fluids than what is on the label. It is recommended that these chemicals be properly stored and labelled immediately to prevent the any adverse effects to any persons, property or the environment.



Solid Waste: Municipal Solid Waste Management Site Owner/Operator: City of Iqaluit

Landfill: Y	Burn & Landfill: N	Other: Waste/Bulk Metals
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Comments: During the Inspection of the Solid Waste Management Facility the Inspector noted the following:

- The Solid Waste Management Area is nearing operational capacity. The city has committed to developing a solid waste management plan and this document was to be submitted on November 30th, 2013. The Licensee has missed this deadline, and missed a deadline subsequent deadline on December 10th, 2013. The failure to submit this plan is in contravention with the Inspector's Direction and may result in further enforcement action.
- Work on the reconstruction the North diversion berm was undertaken by the Licensee; this berm looks in good order.
- The Hazardous materials area was not inspected; however, the Licensee is reminded to ensure that transportation manifests signed by the facility licensed to treat such hazardous wastes are to be provided in the 2013 Annual report.

FUEL STORAGE:

Owner/Operator: Government of Nunavut

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 & Catchments Berm: NI	
Pipeline Condition: NI	Condition of Tanks: NI	

Comments: These tanks belong to the Government of Nunavut and do not form part of the issued Water License for the City of Iqaluit.

SURVEILLANCE NETWORK PROGRAM (SNP)

Samples Collected	Owner /Operator: Samples collected by Licensee to be submitted with annual report	
0	INAC: Not inspected	
Signs Posted	SNP: NI	Warning: NI
Records & Reporting: Records of daily checks and sampling at Water Treatment and Waste Water Treatment Facilities were noted.		
Geotechnical Inspection: N/A		

Comments: Not inspected

Non-Compliance of Act or Licence:

The City of Iqaluit is reminded that on March 5, 2013 in response to issues of non-compliance, an Inspector's Direction under the Authority of the Nunavut Water and Nunavut Surface Rights Tribunal Act was issued by an AANDC Inspector. On that same day and in conjunction with the AANDC Direction, the Department of Environment, Government of Canada also issued a Fisheries Act Direction to the City. Both of these Orders remain in force at the time of the Inspection. The City has committed to addressing the identified non-compliance within the time frames developed in response to the conditions set out in the Directions and submitted to Inspectors on July 5th, 2013. Many of the outstanding documents have been submitted as of August 31st, 2013.

While on site, a number of further issues of non-compliance were observed that need to be rectified as outlined below:

- Improperly stored corrosive barrels of chemicals were noted in the basement loading dock. SWWTP staff commented that these barrels may contain other fluids than what is on the label. It is recommended that these chemicals be properly stored and labelled immediately.
- During the inspection, the Licensee noted that a single concentration test was completed instead of a LC50 test. Inspector Keim confirmed this was sufficient for 2013, but the licensee confirmed an LC50 will be completed in 2014. Please confirm to the inspector, by January 31st 2014, when this will be completed for 2014.
- At the time of inspection, some of the chemicals were not contained within the secondary containment system. It is noted that these chemicals were recently delivered on the sealift and in the process of being properly stored. It is expected these will be properly stored immediately.
 - Furthermore, the chemicals within the secondary containment system were stacked two high and pose a risk of falling. It is recommended that these barrels be secured immediately with straps as soon as possible to prevent any accidents and spills.
- According to the Plan for Compliance as of November 30th, 2013 the City was to submit a Solid Waste Management Plan, Updated Operation and Maintenance Manual for the West 40 Landfill, and the Abandonment and Restoration Plan for the West 40 Landfill. The City has yet to submit these documents and is in direct contravention of the Direction, as outlined in the Compliance Plan, this may result in further enforcement actions.



Justin Hack
Inspector's Name

Sent by email
Inspector's Signature

Cc:
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