

WATER USE INSPECTION REPORT

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| Date: July 30,2009 | Licensee Rep. (Name/Title): John Hussey SAO, Chris Callahan, Jeff MacMunn, Paul Clow, Rob Hogan | |
| Licensee: Municipality of Repulse Bay | Licence No.: | 3AM-IQA0611 |

WATER SUPPLY

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|---|--|
| Source(s): Lake Geraldine Water Supply | Quantity used: Recorded on site |
| Owner:/Operator: City of Iqaluit | |

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

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

Comments: Facility clean and in good order. One UV unit was off line. Unit has been off line for over a year. Chemical storage in building is in good order. Outside some form of Containment is required. Noted small leaks in Dam, City is to address in accordance with the Canadian Dam safety Guidelines and include a complete report in the annual report due March 31st 2010.

WASTE DISPOSAL

Sewage: Sewage Treatment System (Prim./Sec/Ter.): **Primary**

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|---|--|---------------------|
| Natural Water Body: No | Continuous Discharge (land or water): Land | |
| Seasonal Discharge: Emergency lagoon | Wetlands Treatment: None | Trench: None |

Comments: Sewage from the community is run through a waste water treatment plant that removes the solids from effluent before discharge to Frobisher Bay. Separated solids (sludge) are transported every two days to the Municipal land fill. Plant in operation and well maintained. Emergency lagoon was noted to be decanting during the period of Inspection. Records of testing and discharge volumes were on site and available for review.

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

| | | |
|-----------------------------------|---|-------------------------|
| Discharge Quality: U | Decant Structure: NI | Erosion: A |
| Discharge Meas. Device: NI | Dyke Inspection: NI | Seepages: A |
| Dams, Dykes: A | Freeboard: NA | Spills: NI |
| Construction: NA | O&M Plan: A | A&R Plan: NI |
| Periods of Discharge: Con. | Effluent Discharge Rate: 2 mega litres per day | |

Solid Waste: Metal wastes are segregated from municipal wastes. Haz mat area was found present

Owner/Operator: City of Iqaluit

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| Landfill: U | Burn & Landfill: NA | Other: Bulk metals area |
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Comments: The Municipal land fill is nearing capacity. The City is not burning wastes. Wastes are processed through a shredder and layered over the ground surface. Water management in the Facility continues to be an issue. A plan to address this must be submitted with the annual report. Dams and berms within the facility must be properly maintained. Fencing continues to be an issue. Metals are shredded and compacted for shipment off site. This will increase the overall capacity of the facility once these have been removed. Hazardous waste including batteries and pressurized cylinders should not be stored in front of the buildings.

FUEL STORAGE: A number of drums are stored on site. The contents are not known.

Waste Oil Storage: None **Owner/Operator:** unknown

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

| | | |
|-------------------------------|---|------------------------------|
| Berms & Liners: NA | Water within Berms: NA | Evidence of Leaks: NA |
| Drainage Pipes: NA | Pump Station & Catchments Berm: NA | |
| Pipeline Condition: NA | Condition of Tanks: NA | |

SURVEILLANCE NETWORK PROGRAM (SNP)

| | | |
|---|------------------|---|
| Samples Collected | | Owner /Operator: 4 sets as required |
| 3 | | INAC: Potable water source, Effluent discharge, leachate off landfill, as well as a sludge sample leaching from Berm wall outside facility |
| Signs Posted | SNP: none | Warning: present as required |
| Records & Reporting: Records were on site and available for review by the inspector. | | |
| Geotechnical Inspection: N/A | | |

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Non-Compliance of Act or Licence:

The City of Iqaluit continues to suffer capacity issues. The City is continuing to work on achieving compliance with the License and Act. The City must take measures to address hazardous materials and storage within the City. Waste Water management at the Land fill must be addressed and a plan put in place to better prevent the release of water out of the facility. This plan should be submitted as an annex to the required annual report due on March 31st 2009.

A.Keim

Inspector’s Name

Sent by E-mail

Inspector’s Signature