

**ANNUAL REPORT
FOR THE HAMLET OF IGLOOLIK, 2015**

YEAR BEING REPORTED: 2015

The following information is compiled pursuant to the requirements of Part B, Item 1 of Water Licence # NWB3 -IGL0308 issued to the Hamlet of Igloolik.

- i) - iii) tabular summaries of all data generated under the “Monitoring Program”; monthly and annual quantities in cubic metres of freshwater obtained from all sources; monthly and annual quantities in cubic metres of each and all wastes discharged;

Attached are quantities of water used as reported in our On Tap Water Delivery System and the estimated discharge of sewage waste based on quantities used...?

Month Reported	Quantity of Water Obtained from all sources (litres)	Quantity of Sewage Waste Discharged (Estimated)
January 2015	4,346,595.78	Same
February 2015	4,135,337.00	Same
March 2015	4,889,441.16	Same
April 2015	4,719,264.56	Same
May 2015	4,727,864.06	Same
June 2015	3,914,598.55	Same
July 2015	4,406,020.40	Same
August 2015	4,706,708.60	Same
September 2015	4,798,292.00	Same
October 2015	4,674,967.60	Same
November 2015	4,407,877.00	Same
December 2015	4,193,648.60	Same
ANNUAL TOTAL	53,920,615.31	53,920,615.31

Note: The water consumption volume is considered equal to the discharge volume

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because there is no meter at the end of the discharge pipe.

- iv. A summary of modifications and/or major maintenance work carried out on the Water Supply and Waste Disposal Facilities, including all associated structures and facilities;
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No modification or major maintenance to the structures was carried out. But due to the emergency, Hamlet used Fish lake instead of South lake to extract water for the storage reservoir for few weeks.

- v. A list of unauthorized discharges and summary of follow-up action taken;
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No Spill was occurred in any Environmental facilities under the water licence during the reporting period.

- vi. A summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year;
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Once the new solid waste management facility is built and commissioned, the existing site will be abandoned and restored. No abandonment and restoration work was conducted during this reporting year.

- vii. A summary of any studies requested by the Board that relate to waste disposal, water use or reclamation, and a brief description of any future studies planned;
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- A hydrology study was conducted on Fish Lake
 - A risk management analysis was conducted on the existing water storage reservoir
 - A design Brief has been prepared to expand the existing water storage reservoir
 - The technical specifications have been developed to tender and for the construction of the water storage reservoir.
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- viii. Any other details on water use or waste disposal requested by the Board by November 1st of the year being reported; and
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(1) Current waste management, (2) wastewater treatment and (3) water supply system are the concerns of the Nunavut Water Board. The item 2 and 3 are expected to tender for construction this summer.

- ix. Updates or revisions to the approved Operation and Maintenance Plans.
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The Sewage Lagoon and Waste Management site are non engineered facilities. However, O&M manuals for both facilities were developed and submitted to NWB. The existing manual of the water truck fill station was also sent to NWB at the same time. The new O&M manuals will be prepared once these new facilities are built.

x. ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:

Hamlet started extended sampling and testing program already. They are planning to segregate wastes also this summer. They are also planning to implement the CGS report card soon to closely monitor and maintain Environmental facilities more productively.

Hamlet is expecting to start construction of the new truck fill station along with 2km intake pipe, existing water storage reservoir expansion and new sewage lagoons this summer.

xi. FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:

Hamlet is working closely with the Water Licence Compliance Group (WLCG) and receiving direction to move forward in order to renew or amend the Hamlet water licence.

Fish lake is considered as the Hamlet's secondary water source.

The Water Licence amendment #2 applications were submitted to NPC and will be followed up with NIRB and NWB prior to start any construction of the water supply system this summer.

The Test Lab Results for 2015 are submitted in a separate document.