

**ANNUAL REPORT
FOR THE HAMLET OF REPULSE BAY, 2013**

YEAR BEING REPORTED: 2013

The following information is compiled pursuant to the requirements of Part B, Item 1 of Water License # NWB3REP 0409 issued to the Hamlet of Repulse Bay.

- 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
January	2,629,825.10	Same
February	2,532,666.30	Same
March	2,882,404.90	Same
April	2,625,585.20	Same
May	2,871,402.70	Same
June	2,592,872.80	Same
July	2,884,974.80	Same
August	3,071,557.30	Same
September	3,011,825.20	Same
October	3,107,121.00	Same
November	3,057,355.80	Same
December	3,059,681.90	Same
Annual Total	34,327,246.00	34,327,246.00

Note: There is no meter existing at the discharge pipe. Therefore the monthly discharge is considered as equal to the monthly water consumption volume.

ANNUAL REPORT FOR THE HAMLET OF REPULSE BAY, 2013

- 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;
-
- The existing Water Truck Fill Station (WTFS) is being upgraded. The Consulting firm exp Services Inc. has been hired to provide design of the new pump house. They completed design for Water Truck Fill Station & Sewage Lagoon Upgrades. Tender documents are ready. The amendment application for water Licence was submitted to NWB along with the design and construction drawings. Construction process will be started on approval from NWB. The Construction is scheduled starting fall of 2014 with a completion date fall of 2015.
-
- v. a list of unauthorized discharges and summary of follow-up action taken;
-
- Nil
-
- vi. a summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year;
-
- No plan was in 2013 and no anticipation in 2014.
-
- 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;
-
- Arktis solution Inc. completed a feasibility study on waste management across Nunavut and recommended new guidelines. CGS is planning to implement these guidelines in the future waste management facilities including Repulse Bay.
 - CGS has retained William Engineering Ltd conducting water quality surveys on the existing water source and also proposed secondary water source. This study will be completed in 2014.
-
- viii. any other details on water use or waste disposal requested by the Board by November 1st of the year being reported; and
- Monitoring wells are recommended to be installed up-gradient and down-gradient of the land farm to monitor ground water quality.
 - Toxicity test of the leachate is recommended to be conducted.

**ANNUAL REPORT
FOR THE HAMLET OF REPULSE BAY, 2013**

NB: (1) The Toxicity test item is recommended to be removed from the amendment licence due to constrain of transportation, shipping timing and testing protocol in the Sothern lab.
(2) Monitoring wells were not installed yet. They are in the planning process for installion.

ix. updates or revisions to the approved Operation and Maintenance Plans.

The O&M manual of the Water Truck Fills Station (WTFS) will be upgraded once construction is completed in 2015.

ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:

-
- The Licensee will continue extended sampling and testing program in 2014.
 - The licensee will follow the instructions of the amendment Water Licence for Land farm and other facilities under this Licence.
-

FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:

The Licensee is working closely with CGS to satisfy the requirements of the Water Licence and the deficiencies mentioned by the AANDC inspector, dated August 8, 2011.

- The Lab Test Results for 2013 are attached: