

ANNUAL REPORT FOR THE HAMLET OF KIMMIRUT, 2018

YEAR BEING REPORTED: 2018

The following information is compiled pursuant to the requirements of Part B, Item 1 of Water Licence # 3BM-KIM0911 issued to the Hamlet of Kimmirut.

- 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 Fluid Manager Water Delivery System and the estimated discharge of sewage waste based on quantities delivered.

Month Reported	Quantity of Water Obtained from all sources (litres)	Quantity of Sewage Waste Discharged (Estimated)
January	1,589,581.00	Same
February	1,355,548.00	Same
March	1,516,478.00	Same
April	1,446,808.00	Same
May	1,583,706.00	Same
June	1,460,564.00	Same
July	1,468,224.00	Same
August	1,467,171.00	Same
September	1,584,646.00	Same
October	1,592,884.00	Same
November	1,565,153.00	Same
December	1,492,541.00	Same
ANNUAL TOTAL	18,123,304.00	18,123,304.00

Note: The water consumption volume is considered equal to the discharge volume because there is no meter at the end of the discharge pipe.

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- 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 and /or maintenance work was carried out during this reporting period. However minor maintenance works were carried out to WTFS to keep the plant running smoothly.
- v. A list of unauthorized discharges and summary of follow-up action taken;
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- Hamlet has been dumping sewage at the top of a hill for years and the effluent running down toward the sea. A very little treatment takes place prior to reaching the receiving body.
- Spills:
- Spill 201826: June 5, 2028: Petroleum fuel oil 1.0 litre
- Spill 201827: July 16, 2018: Petroleum lubricating oil 2 litres
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- 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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- No abandonment and restoration work were conducted during this reporting year. One consultant is going to start working on the design of the new sewage lagoon and the second one on the feasibility study of the waste management. Once the new lagoon is built, the existing dumping site will be remediated.
- The 2012/13 built new sewage lagoon has been planned for abandonment. The 2001 built waste site next to this lagoon has been abandoned as well.
- 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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- The consultant, Stantec consulting ltd, has completed a fish study in the wetland and found the presence. The natural ditch located on the top of the hill has been converted into a Lagoon to treat community waste water. But lagoon alone failed to keep the effluent into compliancy. Therefore, wetland treatment is required for final treatment.
- Since the wetland contains fish, the entire system was declared abandoned and a new site has been selected for construction of a new Lagoon.
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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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The existing waste management is a big concern. Right now, the Hamlet is segregating wastes in proper manner. Batteries are being stocked in the sea scan for the future disposal to the South.

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- ix. Updates or revisions to the approved Operation and Maintenance Plans.

The O&M manuals of the water supply, waste management and wastewater treatment Facilities were already available. No update or revision was required at this stage. The new O&M manual will be developed once the new sewage lagoon is built and commissioned.

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- x. ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:

Hamlet has started extended sampling and testing program. They have segregated Wastes already. A consultant will be engaged at any time now for the feasibility study of the waste management. The design work will be started following the acceptance of feasibility study.

- xi. FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:

The Hamlet has currently no active water licence. However, the Water licence renewal application was submitted and working forward for the renewal of the Water licence for 10yrs. Hamlet is following instruction of the GN technical staff and CIRNAC inspector. They submit the Hamlet annual report on time.

The Test Lab Results for 2018 are submitted in a separate document.