

**ANNUAL REPORT
FOR THE HAMLET OF GRISE FIORD, 2020**

YEAR BEING REPORTED: 2020

The following information is compiled pursuant to the requirements of Part B, Item 1 of Water Licence # 3BM- GRI1520 issued to the Hamlet of Grise Fiord.

- 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	543,783	Same
February	518,209	Same
March	582,183	Same
April	556,548	Same
May	512,057	Same
June	539,387	Same
July	526,090	Same
August	492,077	Same
September	567,108	Same
October	535,793	Same
November	489,752	Same
December	485,873	Same
ANNUAL TOTAL	6,348,856	6,348,856

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;

The second steel storage tank settled. This was partially repaired in 2020 and complete improvement will be made in 2021.

- v. A list of unauthorized discharges and summary of follow-up action taken;

No unauthorized wastewater discharge occurred during this reporting period. The leachate is uncontrolled because the dump site is non engineered.

- 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 abandonment and restoration work was conducted during this reporting year. However the damaged steel tank was partially repaired in order to hold a 50% capacity.

- 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;

The upgrade of the Community water supply system is under the capital program. This plant is one of the nine WTP standardization project in this Territory. The secondary water source now falls under the Hamlet's new Water Licence. The design works will be started based on the recently completed feasibility studies of the dump site.

- viii. Any other details on water use or waste disposal requested by the Board by November 1st of the year being reported; and

The segregation of the Hazardous wastes is a big concern. The Hamlet can now use both the Primary water source and the Secondary water source under the new water licence to fill the storage Tanks.

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

The existing O&M manuals are fine to use until any new facilities are built and commissioned. Hamlet is expecting a new WTP and a new Solid waste site in next 2

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to 4 yrs. The new O&M manuals will be developed once those are built and commissioned.

x. ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:

One consultant is working on the new WTP and the second one on the new waste management site. The existing water licence will be amended once the design briefs for both the projects are available.

Hamlet has started extended sampling and testing program. They are monitoring Water, wastewater effluent and leachate quality and testing the samples in the accredited lab in Ottawa.

xi. FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:

Hamlet is following the direction of the GN's Technical staff and CIRNAC' inspector to maintain and manage the water licence into compliancy.

The water test results for 2020 are submitted in a separate document.