

**ANNUAL REPORT  
FOR THE HAMLET OF SANIKILUAQ, 2021**

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**YEAR BEING REPORTED: 2021**

The following information is compiled pursuant to the requirements of Part B, Item 1 of Water Licence # 3BM-SAN2025 issued to the Hamlet of Sanikiluaq.

- 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.

| <b>Month Reported</b> | <b>Quantity of Water<br/>Obtained from all<br/>sources (m<sup>3</sup>)</b> | <b>Quantity of Sewage<br/>Waste Discharged<br/>(Estimated)</b> |
|-----------------------|--|--|
| <b>January</b>        | <b>3,599.09150</b>   | Same   |
| <b>February</b>       | <b>3,418.29660</b>   | Same   |
| <b>March</b>          | <b>3,629.14770</b>   | Same   |
| <b>April</b>          | <b>3,676.09460</b>   | Same   |
| <b>May</b>            | <b>3,681.02900</b>   | Same   |
| <b>June</b>           | <b>3,476.23590</b>   | Same   |
| <b>July</b>           | <b>3,358.67940</b>   | Same   |
| <b>August</b>         | <b>3,509.63800</b>   | Same   |
| <b>September</b>      | <b>3,298.38740</b>   | Same   |
| <b>October</b>        | <b>3,446.04360</b>   | Same   |
| <b>November</b>       | <b>3,589.11470</b>   | Same   |
| <b>December</b>       | <b>3,411.43130</b>   | Same   |
| <b>ANNUAL TOTAL</b>   | <b>42,093.18970</b>  |  |

Note: The water consumption volume is considered equal to the sewage 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 or maintenance work was carried out during the reporting year.

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- v. A list of unauthorized discharges and summary of follow-up action taken;
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- No unauthorized discharges for the infrastructure under licence 3BM-SAN2025 occurred in 2021.
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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 was conducted during this reporting year and none is anticipated in the coming year.

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- 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 initial planning study for a new solid waste site was completed in Fiscal Year 2020/21. The cost estimates have indicated that the current funding cannot support the construction of a new state-of-the-art 20-year landfill. The focus of the project will shift to making improvements to the current site. A second planning contract to assess and prioritize the improvements to the current site with the available is expected to begin in 2022.

A business case for the new sewage lagoon is being developed and will be completed April 2022. Once funding is allocated, this project will move into planning and design. The A&R plan for the existing lagoon will be completed within the design contract.

A business case for the new Water Treatment Plant is being developed and will be completed April 2022. Once funding is allocated, this project will move into planning and design. The Residential RO units will no longer be required once the new water plant is fully operational.

- viii. Any other details on water use or waste disposal requested by the Board by November 1<sup>st</sup> of the year being reported; and
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None

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- ix Updates or revisions to the approved Operation and Maintenance Plans.
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None

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**x. ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:**

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CGS will work with the Municipality during summer 2022 to ensure all sampling requirements under the water licence are met.

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

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There was no CIRNAC Inspection conducted in 2021.

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**Appendix A: Effluent Quality Limits**

**Appendix B: Certificate of Analysis**

**Appendix C: Hazardous Materials Spill Database, Sanikiluaq 2021**

**Appendix D: Sanikiluaq 2021 CIRNAC Inspection Report**

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## **Appendix A**

**No SAN-4 Effluent Quality Limit values were received by CGS**

| <b>Parameter</b>       | <b>Maximum Concentration of any Grab Sample</b> |
|------------------------|---|
| BOD <sub>5</sub>       | 120 mg/L  |
| Total Suspended Solids | 180 mg/L  |
| Fecal Coliform         | 1x10 <sup>6</sup> CFU/100 mL                    |
| Oil and Grease         | No visible sheen                                |
| pH                     | Between 6 and 9                                 |

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## **Appendix B**

**No monitoring data was received by CGS**

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## Appendix C

List of spills reported to the NT-NU Spill Report Line and are listed on the Hazardous Materials Spills Database of Sanikiluaq in 2021

| Spill   | Occurrence Date  | Location Description                       | Product Spilled                                     | Quantity |
|---------|------------------|--|---|----------|
| 2021502 | 22-December-2021 | 200 Bay, at the truck garage in Sanikiluaq | Petroleum - fuel oil (jet A, diesel, turbo A, heat) | 50.00 L  |
| 2021458 | 21-October-2021  | Mitiq Cooperative, on a concrete slab.     |   | 10.00 L  |

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## Appendix D

*No inspection was completed for Sanikiluaq in 2021.*