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April 30, 2025

RE: Clyde River Sewage Lagoon Decant, Water Licence No. 3BM-CLY1924

Dear Joseph,

As per Part D, Item 3 of the Municipality of Clyde River Water Licence No. 3BM-CLY1924, this is notification of plans to discharge waste from the sewage lagoon beginning April 22, 2024. An urgent decant of the sewage lagoon is needed to comply with the minimum 1.0 m freeboard requirement of Part D, Item 4 of the Licence, and prevent potential damage to the sewage lagoon berms due to high effluent levels during thaw. As this is within the ten (10) day notice period of the Licence, approval is requested.

The sewage treatment facility in Clyde River consists of 2 cells, a smaller rehabilitated cell and a larger cell commissioned in 2011. Three discharge chutes are available to sewage truck operators, with the choice of chute dependent on factors such as wind direction and snow build-up (Section 2.3.3, *Clyde River Waste Water Facility Operations and Maintenance Manual*, exp, July 2012).



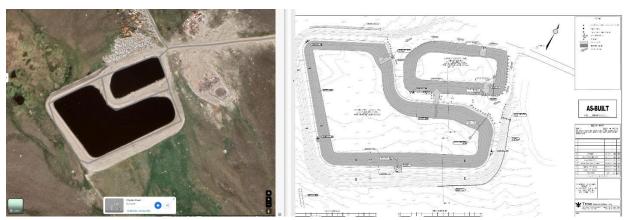


Figure 1: Clyde River Sewage Lagoon

Both sewage lagoon cells in Clyde River have filled to the top of the berms (see Figures 2 and 3). The sewage lagoon is designed for a pump-decant during the ice-free summer period to the filter strip wetlands area. In order to lower effluent volumes to 1.0 m freeboard, 3 to 4 days of effluent pumping is projected dependent on weather conditions affecting the pumping operations.



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Figure 2: Clyde River Sewage Lagoon, Large Cell - April 2025



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Figure 3: Clyde River Sewage Lagoon, Small Cell - April 2025



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Effluent will be directed to the filter strip wetlands. As temperatures are still below freezing, it is anticipated that the effluent will freeze as it is dispersed, for gradual release later in the spring when the wetland thaws. Regular decanting operations will take place this summer (following notice to Inspector) to fully decant both cells.

Samples will be taken during the decant at CLY-5 for comparison to effluent criteria set out in Part D, Item 2 of Water Licence No. 3BM-CLY1924, along with daily decant volume. This will be reported to Crown-Indigenous Relations and Northern Affairs (CIRNAC) upon Certificate of Analysis receipt, and included in the 2024 Annual Report.

Your prompt response to this letter is appreciated. Should you have any questions, please contact me at rkum@gov.nu.ca.

Sincerely,

## Ryan Kum

Municipal Engineering Officer
Municipal Works Division
Department of Transportation and Infrastructure Nunavut
Government of Nunavut

Cc: Billy Palluq, Chief Administrative Officer, Municipality of Clyde River Jamie Kautuq, Public Works Foreman, Municipality of Clyde River NWB Licensing Department Megan Lusty, Acting Director, Municipal Works Division, GN-TIN Madeline Cole, Acting Manager, Municipal Works Division, GN-TIN