

Jonathan Mesher Resource Management Officer Crown-Indigenous Relations and Northern Affairs Canada

Ph: 867-222-0118

Email: jonathan.mesher@rcaanc-cirnac.gc.ca

June 17, 2024

RE: Kugaaruk Sewage Lagoon continued Decant, Water Licence No. 3BM-PEL1929

Dear Jonathan Mesher,

As per Part D, Item 2 of the Hamlet of Kugaaruk Water Licence No. 3BM-PEL1929, this is notification of plans to continue to discharge waste from the sewage lagoon which begun May 21, 2024. An early decant of the sewage lagoon was needed to comply with the minimum 1.0 m freeboard requirement of Part D, Item 4 of the Licence, and prevent overflowing or potential damage to the sewage lagoon berms due to high effluent levels during thaw which were expected to exceed the capacity of the lagoon without decanting. At this time, decant needs to continue to allow time for repairs on the lagoon liner.

The bubble in the sewage lagoon liner contributed volume to the lagoon resulting in the earlier need for partial decant ahead of the summer thaw. CGS has engaged Dillon Consulting to repair this issue with the lagoon liner. A site visit by the consultant will occur at the end of July 2024 and will continue until work is completed. To repair the liner before freeze up, the work schedule requires the lagoon to be emptied by July 31 2024. To empty the lagoon in time, the decant will continue. Figures 2 and 3 show the bubble in the sewage lagoon's liner as documented in late April 2024.



Figure 2: Kugaaruk Sewage Lagoon Liner Bubble, April 2024



Figure 3: Kugaaruk Sewage Lagoon Liner Bubble, April 2024



Samples will be taken during the decant at PEL3-2 for comparison to effluent criteria set out in Part D, Item 3 of Water Licence No. 3BM-PEL1929. This will be reported to Crown- Indigenous Relations and Northern Affairs (CIRNAC) upon Certificate of Analysis receipt and included in the 2024 Annual Report.

Should you have any questions, please contact me.

Sincerely,

Madeline Cole

Municipal Works Technician

Department of Community and Government Services

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cc: Michelle Byers, Senior Administrative Officer, Hamlet of Kugaaruk

Megan Lusty, Manager of Municipal Works, GN-CGS Katy Hawthorne, Municipal Engineering Student, GN-CGS

**NWB Licensing Department**