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Department of Community and Government Services
Nunalingni Kavamatkunnilu Pivikhaqautikkut
Ministère des Services Communautaires et gouvernementaux

# 3BM-REP1520 Hamlet of Naujaat Water Licence Amendment

## NIRB Non-Technical Project Proposal Description

The Hamlet of Naujaat is seeking an amendment to Water Licence 3BM-REP1520 to reflect the decision by the Government of Nunavut, Department of Community and Government Services (GN-CGS), Community Infrastructure Division to the cancel the construction tender for the upgraded sewage disposal facility that was approved as part of the renewed Licence issued on April 9, 2015, with expiry on April 8, 2020. The Hamlet of Naujaat will continue to use the existing sewage disposal facility, comprised of a Vegetative Filter Strip Wetland Area and sewage drop-off point, which existed under the previous licence NWB3REP0409. There will be no other changes to the existing Licence.

The sewage lagoon design was initiated in 2010/11 and was based on scientific information that was available at that time. Since the Naujaat sewage project was initiated, 5 years of research has been completed on wastewater treatment in Nunavut. This research has greatly improved the understanding of lagoon and wetland systems in Nunavut.

GN-CGS is taking the opportunity to review and evaluate the Naujaat sewage lagoon design in light of this current research. GN-CGS will evaluate the Naujaat sewage lagoon design during the summer of 2016 through a site-specific wetlands analysis being conducted by Dalhousie University. This will include a detailed wetland analysis with water quality sampling and dye tracer testing to determine the flow path of discharged sewage. The Naujaat Hamlet Council and community will be consulted throughout this evaluation, and the resulting report will be provided to the NWB.

Raw wastewater quantity at the sewage discharge location (truck drop-off point) will continue to be recorded for Monitoring Program Station REP-3. Discharge quality from the wetlands area will continue to be analyzed for Monitoring Program Station REP-6, with samples being taken a minimum of three times between June and August, and reported in the NWB Annual Report.

If the Dalhousie University wetland analysis concludes that adequate sewage treatment is not taking place, GN-CGS will determine the required upgrades to the sewage facility and will seek appropriate approval at that time.

P.O. Box 490 Government of Nunavut, Rankin Inlet, NU. X0C 0G0
☎ (867) 645-8176 (867) 645-8141