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

- A Request for Review will be submitted DFO by August 25, 2017.

- **Comment Summary:** Comply with the *Fisheries Act* and recommended to follow DFO's guidance tool.
- **Response:** The expansion of the raw water storage with the construction of Cell #3 and the new water treatment plant does not change the location or configuration of the current community water intake at Wolf Creek. The floating intake with a fish screen is positioned in Wolf Creek seasonally; the pipeline to the river and intake is brought out of the water when pumping is completed. As outlined in the previous response, the estimated water withdrawal of the instantaneous flow of the river is 0.29%, which is well below the maximum withdrawal for a low probability of detectable impacts to ecosystems that support commercial, recreational or Aboriginal fisheries. The project will be carried out to avoid causing serious harm to fish. As previously stated, a Request for Review will be submitted DFO by August 25, 2017.

- **Comment Summary:** The project application does not contain detailed records of community consultation activities undertaken to discuss potential community concerns regarding the proposed activities.
- **Response:** The Hamlet Council are elected representatives of the community and have given their approval for the expansion of the raw water storage reservoir and water treatment plant. The need for an expanded water reservoir to meet the growing water demands of the community has been long identified for the Hamlet of Arviat. The 2010 Community Plan (uploaded as an additional document) identifies the location of water reservoir Cell #3 adjacent to Cell #1, where construction is now planned. Public consultation is required during the community planning process; a public hearing was held on October 19, 2010, and more recently on March 16, 2017 for the update of the community plan currently in progress (not yet published). If there was significant community concern on the location of the third reservoir cell, it would not have been part of two consecutive community plans. Further details of the consultation process are outlined on the uploaded email *Community Consultation Regarding 3rd Water Reservoir in Arviat* from Jakub Garbarczyk, Kivalliq Region Community Planner, to Megan Lusty.



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Building Nunavut Together
Nunavut liuqatigiingniq
Bâtir le Nunavut ensemble

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- **Comment Summary:** The proposed project has the potential to cause permafrost degradation, and recommended the Proponent provide clarification on its plan to incorporate permafrost protection measures during construction.
- **Response:** Permafrost impacts will be mitigated during construction by excavating and installing the liner quickly as to not allow the ground to thaw. The consultant, exp Services, will have an engineer onsite during reservoir construction to ensure the contractor follows specifications and to confirm all construction that will be covered (ie. drains and liner) was installed correctly. An exert from Specification Section 31 23 10: Excavating Trenching and Backfilling (uploaded to additional documents) states: "Excavation and backfilling shall proceed at such a pace as to prevent permafrost degradation". GN-CGS, exp, and the contractor will work together to determine the most effective schedule to minimize the risk of permafrost melt while completing the project within the 2018 construction season.

Please contact the undersigned at 867-645-8176 or mlusty@gov.nu.ca if there are any questions or concerns with the enclosed application or documents.

Sincerely,

Megan Lusty
Municipal Planning Engineer-In-Training
Community and Government Services
Kivalliq Region, Government of Nunavut