





Also being included in the construction is the addition of online chlorine and turbidity analyzers for increased monitoring of the drinking water system. These analyzers are used for daily monitoring parameters outlined in the Public Waters Supply Regulations of the Public Health Act.

The water storage tank is located adjacent to Williamson Lake Pumphouse, next to Williamson Lake in Rankin Inlet. The storage tank was constructed in 1991 and the location of the storage tank will not change.

Consideration has been given to confirm that chlorinated water will not enter Nipissar Lake from the recirculation-line used to prevent freeze-ups during winter in the 2km pipeline between the Williamson Lake Pumphouse and the Nipissar Lake Pumphouse. There are check valves already located at Nipissar Lake Pumphouse and Williamson Lake Pumphouse to prevent water from flowing back into Nipissar Lake.

No additional monitoring is required as a result of this proposed modification.

Construction is scheduled to take approximately 1 week, and is anticipated for the end of June/beginning of July 2016 (pending delivery of required equipment).

The new equipment will not go online to chlorinate the storage tank until the end of August 2016, after regular operational maintenance is performed to clean in the interior of the currently raw water storage tank. In converting the storage tank from raw water to treated water, it is important to ensure there is not biological growth or sediment inside the tank which will negatively impact the quality of the drinking water.

GN-CGS retained exp. Services to provide engineering consulting services for this project. Please find attached the following signed and stamped issued for tender drawings:



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Building *Nunavut* Together
Nunavut iluqatigiingniq
Bâtir le *Nunavut* ensemble

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

- 4-1: Chlorination Plan
- 4-2: Chlorination Section and Details

Once the project is completed, signed and stamped as-built drawings will be forwarded to the NWB.

g. Proposed sediment and erosion control measures.

No sediment and erosion control measure are needed.

For further clarification or additional information on the proposed modification, please contact Megan Lusty at (867) 645-8176 or mlusty@gov.nu.ca.

Sincerely,

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