



Water Resources Division
Resource Management Directorate
Nunavut Regional Office
918 Nunavut Drive
Iqaluit, NU, X0A 3H0

Your file - Votre référence
3AM-GRA1631
Our file - Notre référence
GCDocs# 134691066

March 25, 2025

Richard Dwyer
Manager of Licensing
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU, X0B 1J0
E-mail: licensing@nwb-oen.ca

Re: Crown-Indigenous Relations and Northern Affairs Canada's Second Response to Reply on the Review of the Licence Modification to the Water Supply Facilities Application for the Hamlet of Rankin Inlet, Type A Water Licence No. 3AM-GRA1631

Dear Richard,

Thank you for the March 19, 2025 invitation to review the second reply to the referenced licence modification to the Water Supply Facilities application, submitted by the Government of Nunavut Department of Community and Government Services Municipal Works Division on behalf of the Government of Nunavut Department of Community and Government Services Infrastructure Kivalliq Division, for Type A Water Licence No. 3AM-GRA1631.

Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) examined the application pursuant to its mandated responsibilities under the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* and the *Department of Crown-Indigenous Relations and Northern Affairs Act*. Please find CIRNAC comments and recommendations in the attached Technical Memorandum.

The applicant shall provide confirmation from the Nunavut Water Board that all outstanding water license fees have been paid in full prior to approval of this application.

If there are any questions or concerns, please contact me at (867) 975-3877 or Joyce.Demers@rcaanc-cirnac.gc.ca or Andrew Keim at (867) 975-4550 or Andrew.Keim@rcaanc-cirnac.gc.ca.

Sincerely,

Joyce Demers, B.Sc.,
Industrial Coordinator



Technical Review Memorandum

Table 1: Summary of Recommendations

| Recommendation Number | Subject | Status |
|-----------------------|--|-----------------|
| R1 | Erosion and Sediment Control | Resolved |
| R2 | Modification Request Information Missing | a) Resolved |
| | | b) Resolved |
| | | c) Not Resolved |
| | | d) Resolved |

B. DOCUMENTS REVIEWED AND REFERENCED

The following table (Table 2) provides a list of the documents reviewed under the submission and reference during the review.

Table 2: Documents Reviewed and Referenced

| Document Title | Author, File No., Rev., Date |
|---|------------------------------|
| 250319 3AM-GRA1631 Modifications to Water Supply Facilities Response to Comments-IMLE | N.A., March 19, 2025 |



C. RESULTS OF REVIEW

2. Modification Request Information Missing

Comment:

CIRNAC notes that the application of what is being asked is unclear. CIRNAC will need the following information in order to provide comments:

...

- c. Confirmation that all materials, equipment and final buildings will be 31 meters from the water during construction and afterwards;

...

Recommendation:

(R-02) CIRNAC recommends that the applicant provide information on points a – d above.

GN-CGS Reply to Comment:

“ ...

Point c:

The new water supply facility would be in compliance with Part H Item 2 of the water licence: “The Licensee shall prevent any chemicals, petroleum products or Wastes associated with the activities under this Undertaking from entering Water. All Sumps and fuel caches shall be located at a distance of at least thirty-one (31) metres from the ordinary High Water Mark of any adjacent water body and inspected on a regular basis.” The setback distances of the fuel tanks to water bodies are as follows:

- 43.54 m to Nipissar Lake; and
- 31.98 m to Williamson Lake.

Furthermore, the fuel tanks will be regularly inspected as part of operations and maintenance, will be double-walled and have a secondary containment pad in the event of a spill as per CSA B139.

...”

CIRNAC’s Response to Reply:

Points a, c & d: Resolved

Point c: Restates comments. It is unclear if all materials such as construction materials, equipment used during the construction and the building itself will be 31 meters away from the normal high water mark of all water bodies.



GN-CGS Second Reply to Comment:

“The final buildings and water storage tanks will not be 31 metres away from the normal high-water mark due to site spacing constraints. The setback distances are as follows:

- Williamson Lake to closest point of water treatment plant 15.64m
- Williamson Lake to closest water storage Tank 17.57m
- Nipissar Lake to closest point of pumphouse 26.59m

The intake line for the pumphouse at Nipissar Lake must be placed in the water, which will be NSF61 certified. The intake at Nipissar Lake uses a submersible pump, thus having a shorter intake line distance from the lake to the pumphouse is practical to reduce system friction losses.

All other construction materials and equipment will be 31 metres away from the high-water mark of the water bodies when not in use and during use when possible.”

CIRNAC's Second Response to Reply:

CIRNAC does not support having buildings or other storage vessels within 31 meters from the normal high water mark of all water bodies and looks to the Nunavut Water Board for direction.