



Crown-Indigenous Relations
and Northern Affairs Canada

Relations Couronne-Autochtones
et Affaires du Nord Canada

Water Resources Division
Resource Management Directorate
Nunavut Regional Office
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Your file - Votre référence
3BM-TAL1926
Our file - Notre référence
GCdocs # 94648699

May 19, 2021

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

Re: Crown-Indigenous Relations and Northern Affairs Canada Review of the Spill Contingency Plan for Hamlet of Taloyoak, Type B Water Licence No. 3BM-TAL1926

Dear Mr. Dwyer,

Thank you for your April 23, 2021 invitation to review the Spill Contingency Plan (SCP), submitted by the Hamlet of Taloyoak on December 16, 2020 for Type B Water Licence No. 3BM-TAL1926.

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.

If there are any questions or concerns, please contact me at Vincent.okonkwo@canada.ca or Sarah Forté at Sarah.forté@canada.ca.

Sincerely,

Vincent Okonkwo
Environmental Assessment Coordinator

GCDOCS # 94648699

Canada



Technical Review Memorandum

Date: May 19, 2021

To: Richard Dwyer, Manager of Licensing, Nunavut Water Board

From: Vincent Okonkwo, Environmental Assessment Coordinator, CIRNAC

**Subject: Crown-Indigenous Relations and Northern Affairs Canada Review of the
Spill Contingency Plan for the Hamlet of Taloyoak, Type B Water
Licence No. 3BM-TAL1926**

Region: ☒ Kitikmeot ☐ Kivalliq ☐ Qikiqtani

A. BACKGROUND

The community of Taloyoak lies approximately 460 km east of the Kitikmeot regional center of Cambridge Bay, Nunavut and about 1,224 km northeast of Yellowknife, Northwest Territories. The updated version of the SPC was submitted to the Nunavut Water Board (NWB) for review alongside with the 2020 Annual Report.

CIRNAC Provides the following comments and recommendations pertaining to the updated SPC submitted by the Hamlet of Taloyoak dated December 16, 2020.

Table 1: Summary of Recommendations

Recommendation Number	Subject
R-01	Secondary Containment at Exterior Fuel Storage
R-02	Spill Kit Location
R-03	List of Hazardous Materials Stored
R-04	Updates

B. RESULTS OF REVIEW

1. Secondary Containment at Exterior Fuel Storage

Comment:

In Section 1.3 of the SCP, Hamlet of Taloyoak mentioned that there is an outside 4540 liter capacity fuel storage tank placed more than 33m away from the Bank of Canso



Lake. The SCP describes a fuel tank but does not provide the secondary containment measures they plan to implement that would be considered a best management practice.

This was a major CIRNAC concern during the 2014 Hamlet of Taloyoak application for renewal of the Water Licence. CIRNAC in its comment, Item 1, November 27, 2014, stated that:

“secondary containment, such as a lined bermed area, for exterior fuel tanks at the water fill station is recommended to minimize the risk of contamination of the water supply in case of a spill. It is also recommended that a spill kit is located at the water fill station”.

CIRNAC is of the view that erecting lined berms as a secondary containment measure around the exterior fuel storage tank area, which is about 33m away from the water source (Canso Lake), will be helpful to contain and minimize contamination in the case of spill emergency.

Recommendation:

(R-01) CIRNAC recommends that Hamlet of Taloyoak:

- Incorporate spill preventive measures in the updated Spill Contingency Plan to prevent fuel spills at the exterior fuel storage tank area; and
- Install secondary containment at the exterior fuel storage tank that will help minimize the risk of contamination in the event of spill.

2. Spill Kit Location

Comment:

In section 5.0, Hamlet of Taloyoak stated in the plan that:

“It is recommended that the hamlet retain one spill kit in the community, located at operator working area.”

From the statement above, it appears the Hamlet of Taloyoak has only one spill kit in the community situated at the operator working area.

It is a common practice to have spill kits available at fuel storage locations. It might take a long time getting the spill kit from the operator house to the fuel storage location in the case of spill emergency.



Recommendation:

(R-02) CIRNAC recommends that Hamlet of Taloyoak Clarify how they intend to deploy spill kit in the shortest amount of time possible in case of spill emergency at the fuel storage locations.

3. List of Hazardous Materials Stored

Comment:

In section 1.3 of the SCP, Hamlet of Taloyoak mentioned that there is an existing 4540 liter capacity fuel storage tank outside and 40 liter capacity tank kept inside the building. The SCP does not provide for the list of hazardous materials stored, types of storage containers, locations and uses.

It will be helpful if Hamlet of Taloyoak update the SCP to present the summary Table List of hazardous materials stored, including types of their storage containers, locations and uses.

Recommendation:

(R-03) CIRNAC recommends that Hamlet of Taloyoak, in a tabular form, present the summary List of hazardous materials stored, type of containers, location of storage, and uses.

4. Updates

Comment:

On the foot note, the SCP has an update date as December 15, 2020. The plan does not contain a distribution list, nor updated items, and it is unclear whether the December 15, 2020 update was the last revision made on the plan.

Recommendation:

(R-04) CIRNAC recommends that Hamlet of Taloyoak:

- Clarify if the December 15, 2020 update of the plan is the last version of the SCP;
- Provide the distribution list of the most recent revision of the plan; and
- Present in a tabular form, all the revisions made to the plan and the dates they were made.



C. REFERENCES

CIRNAC Review Comment, Item 1, November 27, 2014

Department of Crown-Indigenous Relations and Northern Affairs Act. (2020)

Nunavut Waters and Nunavut Surface Rights Tribunal Act. (2016)

Nunavut Water Board, February 2020: Renewed Type B Water Licence No: 3BM-TAL1926, P 13.