



Water Resources Division  
Resource Management Directorate  
Nunavut Regional Office  
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Your file - Votre référence  
3AM-IGL2131  
Our file - Notre référence  
GCDocs#101667566

March 16, 2022

Richard Dwyer  
Manager of Licensing  
Nunavut Water Board  
P.O. Box 119  
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E-mail: [licensing@nwb-oen.ca](mailto:licensing@nwb-oen.ca)

**Re: Crown-Indigenous Relations and Northern Affairs Canada Review of the 2021 Annual Report for the Hamlet of Igloolik, Type A Water Licence No. 3AM-IGL2131**

Dear Richard,

Thank you for the February 16, 2022 invitation sent by Sylvia Ekelik to review the referenced 2021 Annual Report for the Hamlet of Igloolik under municipal Type A Water Licence No. 3AM-IGL2131.

Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) examined the submission 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*.

Comments and recommendations are provided in the attached Technical memorandum. If there are any questions or concerns, please contact me at [lauren.perrin@rcaanc-cirnac.gc.ca](mailto:lauren.perrin@rcaanc-cirnac.gc.ca)

Regards,

Lauren Perrin  
Water Management Specialist, Nunavut Regional Office



## **Technical Review Memorandum**

**Date:** March 16, 2022

**To:** Richard Dwyer, Nunavut Water Board

**From:** Lauren Perrin, Water Management Specialist, CIRNAC

**Subject:** Crown-Indigenous Relations and Northern Affairs Canada Review of the 2021 Annual Report for the Hamlet of Igloolik, Type A Water Licence No. 3AM-IGL2131

**Region:** ☐ Kitikmeot ☐ Kivalliq ☒ Qikiqtani

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### **A. BACKGROUND**

The Government of Nunavut Community and Government Services (GN-CGS) manages the Nunavut Water Board water licence for the Hamlet of Igloolik, which permits Municipal Undertakings including potable water withdrawals and storage, operation of truck fill stations, wastewater collection and treatment, and the operation of waste management sites. The Hamlet of Igloolik 2021 Annual Report provides information on project activities for the Hamlet of Igloolik from January to December, 2021, as required by Part B Item 1 of Water Licence No. 3AM-IGL2131.

CIRNAC provides the following comment and recommendation pertaining to the 2021 Annual Report. Documents reviewed as part of this submission can be found in Table 1 of Section B. Detailed technical review comments can be found in Section C. References are in Section D.

### **B. DOCUMENTS REVIEWED**

The following table provides a summary of the documents reviewed under the submission.

Table 1: Documents Reviewed

Document Title	Author, File No., Rev., Date
Hamlet of Igloolik 2021 Annual Report	Government of Nunavut Community and Government Services, February 16 2022
Water Licence Inspection Report 2021	Joseph Monteith, CIRNAC

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### **C. RESULTS OF REVIEW**

#### **1. Reporting Requirements**

**Comment:**



Part B Item 1 of water licence 3AM-IGL2131 outlines the annual reporting requirement to be included in the Annual Report. The following data is not reported in the 2021 Annual Report.

- Monthly and annual quantities in cubic metres of sludge removed from the Wastewater Treatment Plant
- The QA/QC program for all the data collected under the monitoring program

**Recommendation:**

(R-01) CIRNAC recommends that GN-CGS provide clarity on whether any sludge was removed in accordance with Appendix D of the operations and maintenance plan for the Wastewater Treatment Facility. If so, indicate the monthly and annual quantities (in cubic meters) of sludge removed.

## **2. Spills**

**Comment:**

Section vii of the Annual Report for the Hamlet of Igloolik states that “The New lagoon cell-1 is reported leaking at the upper side of the berm”. Additionally, in the CIRNAC inspection report it was noted under section spill report 2021-372 that the “Hamlet of Igloolik didn’t provide the right sample analysis” for the breach at lagoon 1.

Section V of the Annual Report “A list of unauthorized discharges and summary of follow-up actions taken” states that the leachate at the dump site is uncontrolled however, testing are conducted each summer.

**Recommendation:**

(R-02a) CIRNAC recommends GN-CGS fix the berm at cell-1 and collect the correct samples from the spill site and record them appropriately for the responsible Water Resource Officer with CIRNAC. Confirm that the spill line has been updated as per Part H:5(c) on the spill report 2021-372.

(R-02b) CIRNAC recommends that GN-CGS provide a plan as to how they plan to control the leachate at the new and modified dump site as well conduct the sampling and report on the results from the leachate testing that occurs every summer.



### **3. Bulk Metals and Hazardous Waste**

#### **Comment:**

In the annual report it is noted that there are concerns related to the segregation of hazardous waste materials, storage of these materials and their shipment to the south. In the 2021 WRO inspection report noted concerns specific to bulk metals and hazardous waste with actions required as stated below:

- Maintain fencing at Water Storage Reservoir
- Segregate the Bulk Metals, and Hazardous Waste;
- Consolidate all Hazardous Waste and store in such a way as to protect water from mixing with the hazardous waste; and
- Provide the inspector with a copy of or the location(s) of the modified Solid Waste Disposal Facility.

#### **Recommendation:**

(R-03) CIRNAC recommends that GN-CGS provide a plan to segregate, store and ship hazardous waste materials. As well respond to what actions they have undertaken to maintain compliance with the orders provided in the Inspection report by the Water Resource Officer.

### **4. Lab Results**

#### **Comment:**

The test lab results for the 2021 annual report are not provided on the Nunavut Water Board registry.

#### **Recommendation:**

(R-04) CIRNAC recommends that the lab results be distributed to allow proper review of the data.

### **5. Abandonment and Restoration work**

#### **Comment:**

According to the 2021 Annual Report the scheduled work to abandon the existing truck fill station and dump site have been delayed due to the COVID 19 pandemic. These projects have no proposed timeline for completion.



### **Recommendation:**

(R-05) CIRNAC recommends that GN-CGS provide an updated timeline for this work to be completed.

### **D. REFERENCES**

Nunavut Water Board Water Licence No. 3AM-IGL2131. Municipality of Igloolik. Signed by Lootie Toomasie, Nunavut Water Board Chair, Nunavut Water Board, January 12, 2021.

Annual Report for the Hamlet of Igloolik 2021