



Water Resources Division
Resource Management Directorate
Nunavut Regional Office
P.O. Box 100
Iqaluit, NU, X0A 0H0

Your file - Votre référence
3BM-HAL1520

April 14, 2020

Our file - Notre référence
CIDM#1284522

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

Re: Crown-Indigenous Relations and Northern Affairs Canada's reply to Government of Nunavut Community and Government Services response to our comments on the Hamlet of Hall Beach's renewal application for water licence #3BM-HAL1520

Dear Mr. Dwyer,

Thank you for your April 6, 2020 inquiry on whether the applicant's response addressed concerns raised by Water Resources Division of Crown-Indigenous Relations and Northern Affairs Canada's (CIRNAC) March 27, 2020 technical review of the renewal application for water licence 3BM-HAL1520 for Hall Beach's municipal undertakings. The applicant's responses address some comments, however several are still outstanding and some more questions have been raised. They are discussed individually in this letter using the numbering from our technical review for easier cross referencing.

1. Water quantity requested

Recommendation on March 27, 2020

CIRNAC recommends the proponent provide the capacity of the reservoir and explain how they propose to treat the sewage generated from 45 000m³ of water use.

As well, CIRNAC recommends the proponent provide an O&M manual for the reservoir and water treatment plant operations.

Applicant's response

This manual is available in NWB ftp site. However, During COVID -19 Pandemic situation, I am working from Ottawa Home using my gmail account and I have no access to my GN e-mails to explore any documents. If this manual is not found anywhere, I will send a copy once I will back to Nunavut after this critical period is over.

I will make sure to make the document available within 4 months from the date of this licence is renewed.

Hamlet has recorded the capacity of the storage reservoir is 50,000 cubic meters. They could fill it twice a year if needed at the beginning of summer and at the end of summer. Again, at 8 months intervals they could recharge the water reservoir if required. Therefore this storage is considered safe.

CIRNAC reply

Thank-you for the clarification of the reservoir storage capacity. Could the applicant point us to where this information is presented?

Could the applicant provide a link or the folder path to the O&M manual for the reservoir and water treatment plant operations on the NWB ftp site?

The applicant's response speaks to the capacity of the storage reservoir but does not clarify how the increased water supply will be treated in the sewage lagoon. CIRNAC recommends the applicant provide clarification on how the hamlet will treat 45 000 m³/year in a sewage lagoon with a capacity of 41 746 m³?

2. Water control structures around Water Supply Lake

Recommendation on March 27, 2020

CIRNAC recommends the proponent provide information on the water control structures at Water Supply Lake so they can be integrated into the water licence.

Applicant response

This is an embankment which acts as the water lake dyke and also an access road to the NAV Canada facility located more than a km away from the Water Storage Reservoir. During this summer, CGS is planning to contour surveying this area in order to repair the dyke to make it stabilized, stronger and more stable. This dyke is the part of the Water Lake which is the Potable water source of the Community.

CIRNAC reply

CIRNAC recommends the applicant confirm if these structures should be integrated into the water licence? If so, they should provide more information on the structures.

CIRNAC also recommends the applicant provide design drawings or a description for the work to occur this summer before proceeding with the planned works.

3. Monitoring

Recommendation on March 27, 2020

CIRNAC recommends the proponent continue sampling and reporting the results, with more attention paid to proper labelling of samples. Tabular summaries should be presented in the annual reports.

Applicant response

Hamlet has now a new GPS set and they could establish coordinates of the sampling points in future. The Lab presents the test results always in Tabular summary in the form of the excel sheet and this is the part of the annual report.

CIRNAC reply

This addresses the technical comment and CIRNAC looks forward to receiving the lab results in a tabular summary.

4. Sewage lagoon operation and maintenance manual

Recommendation on March 27, 2020

CIRNAC recommends the proponent provide an updated sewage treatment facility O&M manual, confirming which operations are still relevant to the current lagoon system.

Applicant response

The lined lagoon cell needs repair. Once the repair/modification is completed, the O&M manual will be finalized to submit to NWB. The repairing works is anticipated to be completed in this summer.

CIRNAC reply

CIRNAC recommends the applicant commit to a date by which they will provide an updated O&M Manual. The lagoon has been under repair since the last licence renewal, at which time the same reasoning was used to delay producing an O&M Manual. Since the lagoon is presently being used it is important to have clear operation procedures.

CIRNAC also recommends the applicant provide a description of the work to be done this summer prior to construction.

5. Spill contingency plan

Recommendation on March 27, 2020

CIRNAC recommends the proponent provide an updated spill contingency plan.

Applicant response

As I indicated, at this moment I can not do any work on the SCP using my GN account. I have a template which needs to be modified/ updated only. This will take hardly few working days to complete. However, I will make sure this updated version of SCP is available for NWB within 4 months from the date of this licence is renewed.

CIRNAC reply

This addresses the technical comment and CIRNAC looks forward to reviewing the updated Spill Contingency Plan in the time frame indicated.

If there are any questions or concerns, please contact me at (867) 975-3876 or by e-mail at sarah.forte@canada.ca.

Sincerely,

A handwritten signature in blue ink that reads "Sarah Forté". The signature is written in a cursive, flowing style.

Sarah Forté
Water Management Specialist