

Environmental Protection Operations Directorate
Prairie & Northern Region
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ECCC File: 6200 000 003/004
NWB File: 3BM-PON1520



May 1, 2020

via email at: licensing@nwb-oen.ca

Richard Dwyer
Manager Licensing
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0

Dear Richard Dwyer:

RE: 3BM-PON1520 – Hamlet of Pond Inlet – Type B Water Licence Renewal Environment Climate Change Canada responses to Community and Government Services Responses.

Environment and Climate Change Canada (ECCC) has reviewed the responses from Nunavut Community and Government Services (the proponent) to the Nunavut Water Board (NWB) regarding the ECCC's April 14, 2020 comments and recommendations. This letter contains our responses to CGS responses.

ECCC's specialist advice is based on our mandate pursuant to the *Canadian Environmental Protection Act* and the pollution prevention provisions of the *Fisheries Act*.

ECCC has the following responses:

1. Leachate from the Solid Waste Facility

Reference(s)

- *Municipality of Pond Inlet Plan for Compliance Licence No. 3BM-PON1520*
- *Annual Report for the Hamlet of Pond Inlet, Nunavut 2019*

Proponents Response

The existing Landfill is a non engineered facility and the leachate is uncontrolled. The leachate will be tested 3 to 4 times in summer as long as the flow is seen and sampling station will be established with GPS coordinates. The leachate flows into the nearby natural ditch and highly diluted there prior to meeting the receiving body.

However, the new facility is anticipated to be built to control the leachate and treated inside the facility before discharging to the land. This facility is under planning stage at this moment and expected to be built in next 3 to 4 years.



ECCC Response

The Proponents notes that they are testing the leachate when it is observed. However, the proponent is not capturing and managing the leachate, and the leachate is being allowed to run into a natural ditch.

ECCC recommends that given that the new landfill is several years away from being developed, and given that leachate will continue to be generated until full closure is completed, the Proponent should develop a plan for interim management of leachate.

2. Monitoring Results

Reference(s)

- *Hamlet of Pond Inlet 2019 Monitoring Results.*

Proponents Response

Hamlet will be using a GPS set to establish the monitoring station with Coordinates and name the monitoring station which correspond to the sampling and testing results. The Hamlet foreman has been trained to follow the conditions of the Monitoring Program of the Hamlet water licence.

I am currently working from Ottawa home and have no access to my office computer. Therefore, the updated QA/QC Plan will be made available soon after COVID 19 Pandemic situation is back to normal and travel restriction is withdrawn.

ECCC Response

The response provided by the proponent does not address ECCC's initial recommendations. The proponent did not respond to the request to provide a figure depicting general site layout and sampling locations. Additionally, the proponent mentions that they will provide the QA/QC plan; however, ECCC is requesting the Quality Assurance/Quality Control (QA/QC) results from the sampling, not the plan.

3. Effluent Quality

Reference(s)

- *Municipality of Pond Inlet Plan for Compliance Licence No. 3BM-PON1520*

Proponents Response

This Lagoon was built and commissioned in around 2004/5 and very close to its life expectancy. The future facility will address this requirement and definitely satisfy the new regulations of the Northern Wastewater Regulations.

Also, Hamlet has been advised to be very careful for sampling, preservation of samples and shipping the samples to the Ottawa Lab for testing to have better results.

ECCC Response

ECCC recommends that the proponent provide details on the timeline and plans for replacement, given that the lagoon is nearing the end of its lifespan.

4. Updates to Plan for Compliance

Reference(s)

- *Municipality of Pond Inlet Plan for Compliance Licence No. 3BM-PON1520*

Proponents Response

The Updated Plan for Compliance is attached

ECCC Response

The plan provided does not appear to be updated. Also, the plan still provides references to results from 2013 and planned activities for 2014. For example:

- D-3: "in compliance. 2013 test results are attached."
- D-8: "will be attempted in 2014 summer to sample and test"

The plan for compliance should be reviewed in its entirety by the proponent, and be updated to include information relevant to the 2020 renewal process.

If you need more information, please contact Eva Walker at (867) 669-4744 or Eva.Walker@Canada.ca.

Sincerely,

[*Original signed by*]

Eva Walker
Environmental Assessment Coordinator

Attachment(s):

cc: John Olyslager, Acting Head, Environmental Assessment North (NT and NU)