



Sahtu Land and Water Board Staff Report

Division: Waters Program	Report No. 2
Date Prepared: December 20, 2020	File No. S18L3-001
Meeting Date: December 22, 2020	
Subject: Deline's New Solid Waste Disposal Facility Operation and Maintenance Plan	
Project: Deline's use of water and disposal of waste for municipal purposes	

1. Purpose/Report Summary

The purpose of this Report is to present to the Sahtu Land and Water Board for consideration:
Operation and Maintenance Plan for Deline's New Solid Waste Disposal Facility

2. Background

September 10, 2020 – Deline Gotine Government submitted the Operation and Maintenance Plan (O and M Plan) for their new solid waste disposal facility as per WL S18L3-001 Part D, item 4;
October 7, 2020 – O and M Plan distributed for public review;
October 22, 2020 – Reviewer comments received and deadline;
November 13, 2020 – Proponent response deadline;
November 17, 2020 – Proponent responses received
November 17, 2020 – O and M Plan version 2 received;
December 22, 2020 – Presentation to the Board for Decision.

3. Project Overview

Water Licence S18L3-001 includes the following activities:

- water treatment and use from Great Bear Lake for community use
- **solid waste disposal** –temporary Solid Waste Facility (SWF) in use at the time of issuance, planned to be moved to new SWF in 2018
- sewage disposal – at the new lagoon facility commissioned in 2016
- closure and reclamation – of the temporary SWF and the old sewage lagoon in 2019

Overview of solid waste disposal facilities in Deline:

Historic Landfill: GNWT-MACA is working to complete an update to the closure and reclamation plan for this site and will submit to the water board for approval and next steps of closure.

Temporary Landfill: Deline is currently disposing of waste at this site until the new in-construction landfill is up and running to accept waste. Deline will then submit the closure and reclamation plan for this site and will submit to the water board for approval and next steps of closure.

New In-Construction Landfill: The new landfill, the construction of which was completed in fall 2020. Deline has submitted the new O&M Plan for this landfill site for approval.

4. Discussion and Public Review

The New Solid Waste Facility O and M Plan submitted by the licensee was prepared using the template "Operation and Maintenance Plan Templates for Municipal Water Licences: Solid Waste Disposal Facility (March 2018)". The "Issued For Construction" drawings from June 2008 was attached to the submitted plan.

The New Solid Waste Facility O and M Plan was distributed to Deline Distribution List (SLWB) comprising of 33 review agencies via SLWB's Online Review System (ORS).

Public Review Outcome: Responses for the review item were received as 33 comments from GNWT-ENR. (Review Comment Table: Attachment 1). Licensee provided acceptable responses for all comments; 23 with no further clarification or action required; 10 with further clarification or action required. 2 comments (ID2, ID4) inquired about missing information; the licensee provided the O and M Plan with the completed information (now available on the public registry as new SWF O and M Plan version 2).

Following improvements may be suggested for a revised O and M Plan (version 3) for the new SWF:

- a) A detailed list of the heavy equipment used in the operation and maintenance of the SWF be submitted to the SLWB. (Review Comment/Response ID 1)
- b) Licensee is expected to regularly monitor the integrity of geosynthetic clay liner and promptly replace the liner as required. Monitoring is to be done every year along with the SNP sampling. (ID 16)
- c) Licensee may make plans to install groundwater monitoring wells to check for leachate from the new SWF. (ID 17)
- d) Licensee must provide information on the by-laws for prevention of spillage of hazardous chemicals into the environment by community members. (ID 21)
- e) Example log sheet for recording the information on hazardous waste/unacceptable waste and their shipment, must be attached to the revised O and M Plan. (ID 22)
- f) Clarification regarding spring clean up must be updated in the O and M Plan. (ID 23)
- g) Licensee may conduct SNP training program especially if there are any new staff members involved in SNP sampling. (ID 28)
- h) The licensee is required to submit an Interim Closure and Reclamation Plan within a year. (ID 30)
- i) The clarification regarding the sedimentation pond must be updated in the O and M Plan. (ID 31)
- j) GPS coordinates for the SNP locations 0555-6 and 0555-7 (for monitoring surface runoff from new SWF) should be described and recorded in the Annual Water Licence Report. (ID 32)

5. Conclusion and Recommendation

SLWB staff has reviewed the information and responses to comments provided by the Licensee (Deline Gotine Government) and comments and recommendations from GNWT-ENR. Board staff find that the New Solid Waste Facility O and M Plan provides sufficient detail to start using the solid waste disposal facility in Deline.

Board staff recommend that the Board:

- a) approve the **New Solid Waste Facility O and M Plan Version 2**;
- b) approve the draft decision letter.

6. Reference Material Attached

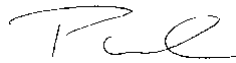
- 6.1. Review Comment Table
- 6.2. New Solid Waste Facility O and M Plan
 - 5.2.1 Version 1 ([Hyperlink](#) only)
 - 5.2.2 Version 2 ([Hyperlink](#) only)
- 6.3. E-mail conversations regarding New SWF construction and O and M Plan Jun 5-16, 2020 ([Hyperlink Only](#))
- 6.4. Draft Decision Letter

Respectfully submitted,



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Executive Director Comments:



Paul Dixon
Executive Director