



Brooks Road Landfill Public Liaison Committee In-Person Meeting

November 6, 2024



Brooks Road Landfill Site



Overview

- Ground Rules and PLC Objectives
- Site Update
- MECP Update
- Discussion of Landfill Life Expectancy
- Site Approvals
- Other Business





Ground Rules/ Objectives of Today's Meeting

Take the opportunity to be heard while respecting the viewpoints of others

Gain a deeper understanding of perspectives and opinions

Leave with a little more information than what you came in with

Ensure constructive dialogue that remains on topic

Begin and end on time



Purpose and Objectives of PLC

- PLC is a condition under the Environmental Compliance Approval (ECA)
- Function in accordance with the Terms of Reference for the PLC, as amended

“The PLC shall serve as a forum for dissemination, consultation, review and exchange of information regarding the operation of the landfill Site, including environmental monitoring, maintenance, complaint resolution, and new approvals or amendments to existing approvals related to the operation of this landfill Site.”

- PLC members and their roles
- PLC Meetings are open to the public and shall be held in public
- The PLC may hear deputations from any member of the public or interested agency pertaining to the Site and its operation





Review of Previous Minutes

- The June 2024 meeting minutes and presentation were posted to the Brooks Road Environmental website.
- Question/ Comments on Draft June 2024 Meeting Minutes?





Site Update - BRE





Site Update

Leachate Treatment Plant

- Power has been restored to the treatment plant and testing of the computer controls systems has started. The main controller was damaged, and a replacement has been ordered. Further assessment will follow the main controller installation.
- Raw leachate has been hauled to a wastewater treatment plant.
- Discharge to the roadside ditch will not resume until the treatment plant is repaired and permission from the MECP to resume discharge has been obtained.

Haldimand Treatment Plant

- The annual agreement allowing 154 m³/day of treated effluent has been renewed.





Site Update

Public Complaints Summary

- Brooks Road did not receive any public complaints from June to November 6th. The complaint lines are:
 - *Corporate: (416) 966-1100*
 - *Site Specific: (888) 402-7368*
 - *On-Site Office (416) 389-8876*
 - *MECP Spills Action (800) 268-6060*

Community

- After hearing back from the Cayuga foodbank regarding positive effect of the previous donation, Brooks Road provide the Cayuga Foodbank with a second donation of \$10,000 in late October.





Hauling and Leachate Level Update

- From June to October, 1,971,890 L of leachate was hauled to an off-site wastewater treatment plant. At the end of October the leachate level was measured at 196.3 m.

Increased efforts to reduce leachate level

- Maintain hauling of raw leachate, targeting 126m³/day to a licensed treatment facility;
- New agreement with Haldimand County wastewater treatment plant allowing for treated effluent TSS concentration to increase from 10 mg/L to 30 mg/l. The agreement keeps the 156m³/day hauling in place.

Preparation for Final Cover installation

- West side slope has been graded and is near final elevations. Work is progressing to cap internal contact water ditch with clay and to grade perimeter ditch to receive clean runoff and convey it to the stormwater pond.





Schedule "C" from ECA: target leachate elevation by date (highlighted in blue)

The following Schedule "C" forms part of this Approval

Schedule "C"

Table C1: Target leachate elevations to reach leachate elevation 191 m AMSL based on the date of March 27, 2020.

Date	Required Leachate Elevation (m AMSL)	Estimated Leachate Volume in Landfill (m ³)	Volume Removed in Excess of Generation (m ³)	Forecasted Leachate Generation Rate (m ³ /day)	LTS Discharge to Ditch (m ³ /day)	Required Average Excess Leachate Removal (m ³ /day)
March 27, 2020	198.5	40,000	-	44	45	0
March 27, 2021	196	28,000	12,000	44	45	32
March 27, 2022	193.8	18,000	10,000	42	45	24
March 27, 2023	192.1	10,000	8,000	44	45	21
March 27, 2024	191.3	4,000	6,000	45	45	16
March 27, 2025	191	2,000	2,000	49	45	9.5
March 27, 2026	191	2,000	0	55	45	0



Schedule "D" from ECA: target leachate elevation by capacity (estimated target elevation in blue based on tonnage and volume estimates)

The following Schedule "D" forms part of this Approval

Schedule "D"

Table D1: Capacity-Based Target Leachate Elevations

Estimated Landfilled Volume (m ³)	Required Leachate Elevation (m AMSL)
680,000	197.9
710,000	197.4
740,000	196.8
770,000	196.2
800,000	195.7
830,000	195.1
860,000	194.5
890,000	193.9
920,000	193.4
950,000	192.8
980,000	192.2
1,010,000	191.7
1,040,000	191.1
1,045,065	191.0



Landfill Life Expectancy

- Capacity Survey conducted August 8, 2024
- The site is close to the permitted capacity and receiving of waste has been paused until the remaining capacity can be assessed from the November 12, 2024 survey





MECP Update



Brooks Road Landfill Site



Site Approvals – EA & ECA



Brooks Road Landfill Site



Site Approvals – EA

- BRE has completed the Environmental Screening process to add additional capacity by 219,400 m³. The approved footprint is expected to change as a result of the increased capacity.
- The final Environmental Screening Report was posted for a 60-day review period from April 2024 to June 24, 2024. Statement of Completion issued in August 2024.
- An ECA Application for the additional capacity was subsequently submitted to the MECP in June 2024.
- An ECA Amendment Application to approve a portion of the capacity increase (32,000 of the 219,400) was also submitted to the MECP in September.



Other Business/ Next Meeting

- The proposed PLC Meetings for 2025 are as follows:
 - Wednesday March 5, 2025
 - Wednesday June 4, 2025
 - Wednesday November 5, 2025
- Today's presentation along with the meeting minutes will be posted on the Brooks Road Environmental website

