



Brooks Road Landfill Public Liaison Committee In-Person Meeting

June 5, 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 March 2024 meeting minutes and presentation were posted to the Brooks Road Environmental website.
- Question/ Comments on Draft March 2024 Meeting Minutes?





Site Update - BRE



Brooks Road Landfill Site



Site Update

Site Entrance Asphalt Paving

- Design work is complete, and a contractor is being sought to perform the work. Expected to be completed by Fall.

Leachate Treatment Plant

- In early March, a power surge from the 3-phase powerlines along Brooks Road caused damage to the electronic controls and hardware.
- Hydro One and Insurance are currently determining the cause and financial compensation for repairs.
- Raw leachate has been and will continue to be hauled to a wastewater treatment plant to maintain leachate level.
- Discharge to the roadside ditch will not resume until the treatment plant is repaired and permission from the MECP to resume discharge to the has been obtained.
- Hauling to the Haldimand treatment plant will resume once the treatment plant is able to meet the acceptance criteria





Site Update

Public Complaints Summary

- Brooks Road received 1 public complaint from March to June. 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

- Brooks Road has started an annual community donation program. The objective of the program is to provide support to the local community and has been initiated with a donation to the Cayuga Foodbank.
- In the past Brooks Road has donated to local sport clubs, but would be interested in suggestions from the members of the PLC. Suggestions for 2024 can be sent to admin@BRenvironmental.com by June 30th at the latest.





Hauling and Leachate Level Update

- Effluent and Leachate Summary for March 2024 to May 2024:

Month	Volume (L)	Leachate Elevation (m)
March 2024	3,157,000	191.3
April 2024	1,400,000	191.7
May 2024	419,000	192.9
Total	4,976,000	





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	9.3
March 27, 2026	191	2,000	0	33	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

- Survey conducted January 8, 2024 for capacity survey (end of 2023)
- Additional survey conducted May 30, 2024
- ~17,500 m³ estimated capacity remaining based on May 2024 survey
- Remaining capacity varies based on waste type, compaction, tonnage received, and consolidation of existing waste within the landfill.
 - Based on these factors, and tonnage received, the estimated average remaining landfill life expectancy is ~ 4 months.





MECP Update



Brooks Road Landfill Site



Site Approvals – EA & ECA



Brooks Road Landfill Site



Site Approvals – EA

- BRE are in the middle of an 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 Environmental Screening is being conducted in accordance with the planning and design process outlined in Ontario's "*Guide to Environmental Assessment Requirements for Waste Management Projects*".
- The results of the Study may be found in the Environmental Screening Report (ESR).
- Consultation activities were carried out for the Screening Process including Open House #1 (late June 2022) and Open House #2 (October 2023).
- Final ESR was posted for the mandatory 60-day review period in April 2024, with review completed by June 24, 2024. The ESR will be available for review to the public, Indigenous communities, and government agencies.



Other Business/ Next Meeting

- The proposed PLC Meetings for 2024 are as follows:
 - Thursday November 6, 2024
- Today's presentation along with the meeting minutes will be posted on the Brooks Road Environmental website

