



Brooks Road Landfill Public Liaison Committee Virtual Meeting

November 2, 2022



Brooks Road Landfill Site



Overview

- COVID-19
- Ground Rules and PLC Objectives
- Site Update
- MECP Update
- Discussion of Landfill Life Expectancy
- Site Approvals
- Other Business





COVID-19

- Due to the situation regarding COVID-19, and restrictions on public events and gatherings, the first 2022 PLC meeting was carried out as a virtual meeting.
- On March 14, all mandatory vaccine policies came to an end and on March 21st all masking restrictions came to an end with the exception of health care facilities and public transit. With the health and safety of all public members in mind and in consultation with PLC Members, the June and November PLC Meeting is taking place in person.
- The format of the PLC meetings (virtual or in-person) for the remainder of 2022 was determined to be in person based on discussions with PLC Members.
- The format of the PLC Meetings for 2023 will be discussed at the November PLC Meeting
- The goal is to continue to provide information to the PLC and the broader community. This presentation will be posted on the Brooks Road Environmental website for those who are unable to attend today's in-person meeting, and as always, members of the PLC and public are able to contact the Brooks Road team with any specific questions/concerns.





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 2022 PLC Meeting was completed as an in-person meeting.
- The June 2022 meeting minutes and presentation were posted to the Brooks Road Environmental website





Site Update - BRE



Brooks Road Landfill Site



Site Update

Odour Mitigation

- Odour control measures - misting system operating and odour control granules are utilized if required.
- Staff are available on-site 7-days a week when required

Leachate Treatment Plant

- Hauling of treated effluent to the Haldimand County treatment plant continued
- Hauling of raw leachate to a licensed treatment plant continued.
- New membranes have been installed.

Other Works

- Clean up of erosion along the ditch of the old railway soil stockpile.





Odour Complaints



June

0

Complaints



July

0

Complaints



Aug

0

Complaints



Sept

0

Complaints



Oct

1

Complaints

**Complaint
Lines**

Corporate: 416-966-1100

Site Specific: (888) 402-7368

On-site Office: 416-389-8876

MECP Spills Action: (800) 268-6060





Hauling and Leachate Level Update

- Effluent and Leachate Summary for June to October:

Month	Volume	Leachate Elevation
June	1,634,200 L	193.1 m
July	1,264,890 L	193.2 m
August	1,336,830 L	192.6 m
September	664,740 L	192.1 m
October	667,380 L	192.26 m
Total	5,568,040 L	

- Target elevation for 2023 is estimated to ~192.1 m (Schedule C). Annual survey will determine the required leachate elevation.





Leachate Level Reduction Strategy

- **Raw leachate hauling to an approved treatment plant**
 - On-going.
- **Work toward an ECA (sewage works) amendment application to modify the treatment system filtration technology to increase reliability and effluent production**
 - Initial data has been collected and further testing is on-going.
- **Continue monitoring membrane performance**
 - New membranes have been installed.
- **Increase interim cover installation to shed water to perimeter ditching to reduce further infiltration**
 - Interim cover installation started along the north side of landfill.



Discussion of Landfill Life Expectancy - BRE





Landfill Life Expectancy

- 180,553 m³ capacity remaining based on annual survey (Dec 17, 2021)
- 134,000 tonnes of waste received (75,000 to 110,000 m³ capacity consumed) since December 2021 survey
- Annual survey scheduled for December 15-16, 2022
- Remaining capacity varies based on waste type, compaction, tonnage received, and consolidation of existing waste within the landfill.
 - Based on these factors, the estimated remaining landfill life expectancy is ~ 1 year.





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 100,000 m³. The approved footprint is expected to change as a result of the increase 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 will be documented in an Environmental Screening Report, which will be released for review to the public, Indigenous communities, and government agencies.
- Consultation activities are planned throughout the Screening Process (Public Open House #1 occurred in late June, 2022) and will be advertised via direct and/or electronic mail, in the local newspaper, and on the project website (www.brenvironmental.com). The next Open House is planned for late 2022 or early 2023.



Environmental Screening Process

Step 1	Publish Notice of Commencement and Public Open House
Step 2	Identify Problem or Opportunity and Project Description
Step 3	Apply Screening Criteria
Step 4	Describe Potential Environmental Effects, Concerns, and Issues
Step 5	Consultation and Public Open House #1
Step 6	Conduct Studies and Assessment of Potential Environmental Effects
Step 7	Develop Impact Management/ Mitigation Measures
Step 8	Consultation and Public Open House #2
Step 9	Identify Significant Net Effects and Resolve Concerns (if required)
Step 10	Conduct Additional Studies and Assessment (if required)
Step 11	Prepare Environmental Screening Report
Step 12	Publish Notice of Completion
Step 13	Resolve Elevation Requests (if required)
Step 14	Submit Statement of Completion to the Ministry of the Environment, Conservation and Parks





Other Business/ Next Meeting

- The proposed PLC Meetings for 2023 are as follows:
 - Wednesday March 1, 2023
 - Wednesday June 7, 2023
 - Wednesday November 1, 2023
- The PLC will be contacted in advance with respect to format (i.e. virtual or in-person) for the next PLC Meeting in light of any local public health or Provincial guidance on COVID-19
- Today's presentation along with the meeting minutes will be posted on the Brooks Road Environmental website

