



Public Liaison Committee (PLC) Meeting Minutes

Date: June 10th, 2025

Time: 6:00 PM – 7:35 PM

Location: Hybrid (In-person and Online)

Emerald: Joe Lyng , Keith Nichol, Jeremy Pappain

Recorder: Shannon

Attendee's In person: Peter Kearney, Helen Kearney, Patti Washington, Susan Colbert Wright, Terry Wright

Attendee's Online: Steve Papagiannias, Steven Kirby

1. Welcome and Introductions

- Joe Lyng opened the meeting and confirmed online participants could hear and be heard.
 - Roundtable introductions were conducted. Attendees included members from Emerald Energy, Brampton Environmental Alliance, and local residents.
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2. Agenda Review

- No changes or additions were made to the agenda.
 - Previous minutes were sent out and posted online, adjournment time corrected resent & reposted online
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3. Housekeeping

- Clarification on where to send the completed Charter (members/observers) request forms to shannonmurphy@emeraldefw.com
 - Add missing interested attendee to the PLC emails
 - Info@emeraldefw.com email link was incorrect on website
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4. Operational Update

- Joe presented the first quarter operational report for 2025
 - Waste receipts – a bit lower than typical but on budget

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- International – up a bit; shows increase in air travel
- UNA (unacceptable waste) – lower than average;
- High ICI volumes to start the year; municipal waste increased as year went on. This is typical pattern
- Ferrous – lower than average. Processing less ash so recovering less metal.
- Bottom Ash – more disposal (unprocessed). A combination of equipment failures and personnel performance issues in the ash room.
- APC Residual – lower than average but within typical range; varies with lime quality.
- Diversion lower than usual – attributed to ash processing issues
- EFW steam down – related to lower waste processing
- Aux steam – Up; partially related to lower EFW steam but more related to changes in how IESO is dispatching our generating units.
- EFW to Cascades – up, even with higher Aux steam volumes
- Electricity – Up, linked to changes to IESO directives
- Attendee asked how Emerald monitors the waste that is delivered onto the tip floor, if so what does Emerald do if waste that has not been approved is found.
 - Emerald responded yes, we do monitor all of the waste that comes onsite. We do this by having every customer fill out a waste profile sheet and auditing the waste that comes in on their trucks
 - Our loader operators are trained to recognize unacceptable waste on the tip floor
 - When waste comes in that is not included on the customers profile, it is rejected and sent back to the generator

5. Emissions and Environmental Incidents

4 incidents:

- Jan 27 – CEM power failure – replaced component and returned to service.
- Feb 23 – SCR offline for maintenance.
- Mar 5 – ID fan vibrations. Fan repaired and returned to service.

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- Mar 21 – Loader fire. Drove off tip floor; fire department called; no issues with runoff.

Discussion on Emissions Stack testing for the new attendee's

Summary from Dec 10th's PLC meeting– Emissions Sampling and Stack Results

- Stack sampling is conducted annually, typically aligned with the baghouse filter replacement cycle.
- Bags are usually replaced every three years; it was coincidental that this year's sampling followed a full bag replacement, leading to especially low particulate emissions.
- NOx levels were slightly elevated this year compared to previous years but remained within compliance (limit: 105 ppm; typical operation: ~90 ppm).
- NOx fluctuations are influenced by waste composition and combustion temperatures—more plastic waste can increase NOx.
- Multiple stacks in the expansion would maintain the same concentration per stack, but total loading (volume) would increase.
- Hydrochloric acid (HCl) emissions are managed by lime injection and remain within the 18 ppm limit.
- Sulfur dioxide (SO₂) emissions are also indirectly controlled by lime; not continuously monitored due to legacy design but measured during stack sampling.

6. Steam Line Replacement Project

Joe provided an update on the Steam Line Replacement Project. This included:

- Agreement in principle for use of HONI lands east of Bramalea Rd.
- There are no archaeological issues to report.
- Extension of energy agreement with Cascades remains pending.

7. Hydrogen Pilot Project

Joe provided an update on the Hydrogen Project

- Electrolyzer supplier quoted a larger plant for the same cost.

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- No customers on the horizon.

8. Redevelopment Project Summary

- ESR (Environmental Screening Report) accepted by the Minister
- Attached 5 conditions – all will be fulfilled during the EPA process.
- Next steps: Select technology, secure energy contracts, secure approvals.
- Attendee asked if we decided on the height of the stack, in Europe some are as high as 120 metres
 - Emerald responded that this is still under consideration
- Attendee asked if there is a way to naturally minimize NOx with trees and plants
 - Emerald is not aware of any way to reduce NOx emissions with plants and trees
- Attendee asked why we only completed half of an Environmental Assessment
 - Emerald responded that the only component that was missing from a 'Full EA' was looking at alternative locations, because we currently have an incinerator on an existing location this wasn't required.
- Attendee enquired about a technology that can collect daily dioxin and furan samples on an ongoing basis. These samples are then tested to provide an estimation of daily emissions.
 - Emerald did not believe this technology would provide an accurate number of the release of Dioxin and furans.

12. Next Meeting

- Tentatively scheduled for August 2025.
- Hybrid format expected again; space for 10 in-person attendees.

Adjournment: Meeting adjourned at 7:35 PM.

Action Items:

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1. Emerald to correct adjournment time is December 10th meeting minutes, recirculate and repost on website
2. Emerald to evaluate feasibility of increasing stack height
3. Emerald to add missing attendee to PLC recipient email
4. Emerald to correct link for the Emerald Info email on the website
5. Emerald to send Operations Quarterly power point report to the committee
6. Post meeting recording and action items on website

Minutes prepared by: Shannon

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7656 Bramalea Road, Brampton, ON, L6T 5M5 | Head Office: 905 791 2777 | Fax: 905 791 5732 |
info@emeraldefw.com | emeraldefw.com