

Minutes

March 23, 2023

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| Project name | Brooks Road Landfill | From | Blair Shoniker |
| Subject | 2023 Brooks Road PLC #1 | Tel | +1 905 429-5040 |
| Date/Time | March 22, 2023/ 7:00pm-8:00pm | Project no. | 018235 |
| Attendees | Katrina McCullough (KM) – GHD Blair Shoniker (BS) – GHD Ryan Loveday (RL) – GHD Tim Danyliw (TD) – BRE Michael Durst (MD) – MECP Hamilton District Dave Bruce (DB) - PLC Member, Chair Dave Glenney (DG) – PLC Member John Metcalfe (JM) – PLC Member Diane Manto (DM) – Public Laurie Woolner (LW) – Public Rod Leclair (RL) – OPP Liaison | Copy to: | All Attendees |

Summary of Action Items and Commitments

- Moving forward a copy of the presentation will be attached to the meeting minutes; and GHD will provide a minimum 2 weeks notice for any proposed meeting date changes
- GHD to provide in advance of the next PLC meeting:
 - Photos of leachate level transducer, information on how it works, and calibration details
 - Groundwater quality criteria and results (from previous year)
- BRE to identify where contaminated soil is coming from
- Website will be updated with when food bank donation was made
- MECP will provide confirmation of the Financial Assurance

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| Objectives and Introductions | <ul style="list-style-type: none"> – KM provided an overview of the meeting agenda – KM reviewed the ground rules as well as the purpose and objectives of the meeting |
| Review of Previous Minutes | <ul style="list-style-type: none"> – Noted leachate volumes are not included in the minutes. DM requested that presentation will be attached to the minutes going forward. |
| Site Updates | <ul style="list-style-type: none"> – TD provided the Site Update. – TD outlined odour mitigation measures at the Site including the mister system and odour control granules. – TD noted that raw leachate is hauled to Beamsville WWTP, and treated effluent is hauled to Dunnville WWTP. – TD outlined the summary of complaints (2022, December and January to present day). Tim noted contact information is included on the slides to lodge a complaint. – TD outlined the leachate level reduction strategy including increasing treated effluent off-site. Tim noted that the potential to alter the treatment technology for |

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| | <p>sand filtration will not be carried forward, and the membrane filtration will be maintained as the process, with enhanced maintenance; membranes will be replaced at an increased frequency. A summary report will be submitted to the MECP to close out the pilot plant program.</p> <ul style="list-style-type: none"> - TD outlined volumes of leachate removed from the Site and corresponding leachate levels. The elevation at the end of February was 192.2 and continues to decrease towards the March 27, 2023 target of 192.1. BRE has 15 days from March 27, 2023 to reach 192.1. This level is more conservative than the limit provided in the capacity chart, which is 192.2. The current capacity is estimated between 950,000 and 980,000. - DB asked how the levels are measured, who does the measuring and how is it verified. - RL reviewed how leachate levels are measured with a pressure transducer and also checked manually. RL committed to provide photos of leachate level transducer and measurement in advance of the next PLC and information on how it works. RL responded that the pressure transducer continuously monitors and GHD downloads the data from the transducer. This data is provided to the MECP monthly and in annual reports for their review. It was noted the removal of leachate volumes is significant, and that the removal would correspond to a lower level. - DG asked when the transducer was last calibrated. RL to check |
| Landfill Life Expectancy | <ul style="list-style-type: none"> - RL reviewed the landfill life expectancy based on survey (December 2022), and projected tonnage and waste characteristics (type, compaction, density, consolidation). - DM inquired about the lifespan of the Site, increasing, as there were only to be one year remaining. RL noted that the tonnages fluctuate and the timeline can change based on tonnages, type of waste, density, etc. - DM asked where the garbage is coming from, TD noted that it is from GFL. Sites are from Mississauga and Pickering potentially, TD to check where they are coming from. DB asked to confirm that the material coming in is contaminated soil. TD confirmed that it was. - DM asked if the 1,045,000 m³ capacity was without the expansion? RL confirmed it was and noted that an Environmental Compliance Approval (ECA) Amendment would be required. DM and DB asked why isn't that piecemealing, since BRE previously added 400,000 m³ and is now asking for 100,000m³? BS responded that it is not piecemealing. Piecemealing is defined through the EA process as continuing to add small capacity increases - BRE would not be able to ask for an additional 100,000 m³ after the current proposed expansion of 100,000 m³. MD noted that the MECP would also review the proposed capacity increase against the regulations and that it would require an ECA Amendment. BS also noted that the definition of piecemealing is in the draft regulation. |

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| MECP Update | <ul style="list-style-type: none"> - MD noted that Charlene Anderson is the new Environmental Officer (EO) for the Site. Charlene has been with the MECP for a long time, was a EO with ArcelorMittal, and has covered Haldimand. - No complaints were received, Charlene has not received complaints with respect to the Site. - DG inquired about the duration for approval. MD responded that they have not received the application and noted that there is a one-year standard turnaround time for ECAs. DG asked if there is potential that the Site may reach capacity prior to approval and MD responded that is a possibility. DG asked if leachate needs to be managed continuously after the landfill is at capacity. MD responded that yes, leachate needs to be managed and BRE needs to continue to comply with the approval. - DG asked how much leachate levels dropped in the previous year. RL responded that in 2022 annual leachate level dropped from 193.8 to 192.2. - DM inquired about the groundwater quality report. MD responded that it is monitored quarterly, that the MECP's hydrogeologist recently reviewed the latest monitoring results and had no concerns. It was requested that GHD provide the groundwater quality criteria and results from the annual report prior to the next meeting. - LW asked to clarify what 45 m³ per day means (in the ECA Schedule) and thought BRE was not discharging anything to the ditch. RL responded that the volume there is used for total leachate generation and management and considers discharge from the on-site treatment plant. TD Confirmed that currently nothing is being discharged to the ditch. |
| Approvals | <ul style="list-style-type: none"> - BS reviewed Site approvals. - BS outlined the Streamlined Environmental Screening Process currently being undertaken for a 100,000 m³ expansion. Open House #1 was held in June 2022, it is anticipated that Open House #2 will be June 2023. BS noted that the Environmental Screening studies for each technical discipline continue to be developed. - Beyond Open House #2, everything is documented in the Environmental Screening Report, which is available for MECP and Public Review. The MECP will then need to make a decision on if the Screening moves forward. - DM inquired about the definition of net effects and that it notes negative effects. BS clarified that it can be net-negative effects or net-positive effects and they are the effects that are remaining after mitigation measures are applied. BS noted the previous EA utilized the same methodology, which is an accepted approach by the MECP. - DM noted that the public only has 60 days to review. BS noted that comments are received and considered at any time. |

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| <p>Next Meeting and Other Business</p> | <ul style="list-style-type: none"> – DM inquired about the March 1 PLC date and why residents were not notified. DB noted that additional notice should have been provided. BS noted that GHD was not able to make March 1 and notified PLC members. BS apologized that not enough notice was given, and committed to providing minimum 2 weeks notice for any date changes for future meetings . – DG inquired about the operator of the LTS, TD confirmed that an operator runs the LTS. The LTS requires a licensed operator, which is Clearford. – DG noted that the website states they donated \$1,000 donation to the Food Bank, but it does not provide a date. TD noted he can follow up on it, and a date will be added to the website. – DM asked if anything goes to residents or municipality, like \$4 per tonne of each truck coming in, DM knows of a place that receives one million dollars a year split in the community (Green Lane Landfill). BS noted that is owned by the City of Toronto. DM noted that there should be financial compensation going to the community. – DM inquired how many people work at the dump. TD noted that at the landfill, six directly work there and that three work at Clearford. TD noted that fuel that comes to site, those who repair equipment; TD noted that it does stretch out to more people. DM inquired if the workers are from inside or outside the community. TD noted that apart from himself, most employees live within the community. – DG asked about Financial Assurance. MD noted that the Financial Assurance (FA) is usually in the form of a letter of credit. It was noted that it is included in the Annual Report. A confirmation of the FA will be provided. – KM outlined the proposed 2023 PLC Meetings – proposed to be Wednesday, June 7, 2023. BS will send out meeting invites by March 24, and then will notify the PLC minimum two weeks ahead (in line with the newspaper advertisement posting). |