

| Meeting Details | |
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| Date: | Friday, November 19, 2021 |
| Time and Location: | 1:00 p.m. via Zoom |

| Attendees | |
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| Present | |
| Name | Title |
| Rick Maloney | Chair, Public Liaison Committee |
| Neil Hutchinson | Public Liaison Committee Member |
| Neil Somerville | Public Liaison Committee Member |
| Roberto Bellicoso | Public Liaison Committee Member |
| Fred Jahn | Commissioner, Engineering and Public Works |
| Stephanie Mack | Director, Solid Waste Management & Environmental Services |
| Rick Dureen | Manager, Waste Operations |
| Jaymie Brown | Compliance Specialist |
| Tabitha Lee | Principal, Watermark Environmental Limited |
| Rasheeda Byer-Coward | Hydrogeologist, Watermark Environmental Limited |
| Regrets | |
| Name | Title |
| John Klinck | District Chair |
| Rob Milligan | Public Liaison Committee Member |

| Agenda Item | Action Item |
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| 1. Call Meeting to Order Chair Maloney called the meeting to order at 1:04 p.m. | |
| 2. Land Acknowledgement Chair Maloney read the land acknowledgement statement. | |
| 3. Declaration of Pecuniary Interest | |

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| None were declared. | |
| <p>4. Adoption of Minutes – September 2, 2021</p> <p>Moved by R. Bellicoso and seconded by N. Hutchinson that the minutes of the Rosewarne Landfill Public Liaison Committee held on September 2, 2021 be adopted.</p> <p>Carried.</p> | |
| <p>5. Rosewarne Landfill Site Visit</p> | |
| <p>District Staff led a site tour of the Rosewarne Landfill for Committee members on September 16, 2021. Chair Maloney thanked the staff who attended and completed the tour.</p> | |
| <p>6. Environmental Compliance at the Rosewarne Landfill</p> | |
| <p>S. Mack addressed the Committee and introduced Watermark Environmental Limited (Watermark), the District’s environmental consultant. She advised that their work at the Rosewarne Landfill does not stand alone – Watermark completes environmental monitoring for the District’s waste sites and provides their expertise on topics such as compliance issues and site remediation.</p> <p>Watermark shared a presentation overviewing environmental compliance at the Rosewarne Landfill Site.</p> <p>To summarize:</p> <ul style="list-style-type: none"> • Site compliance is required under Environmental Compliance Approvals (ECAs) and the Environmental Assessment Act (EAA) • RW PLC is a requirement of the EAA; the MECP has approved to have the requirements transferred from the EAA to the site’s ECA, through an ECA Amendment • For ECA compliance, there is annual monitoring for leachate, stormwater, groundwater, surface water, and landfill gas • There are no compliance issues for leachate • Stormwater triggers are often exceeded due to the fact that background concentrations were not taken into | <p>Watermark’s presentation will be shared with Committee members</p> |

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| <p>account when the trigger concentrations were determined</p> <ul style="list-style-type: none"> • MECP Technical Support Group has approved removal of water quality trigger conditions for the stormwater management pond; an ECA Amendment is being prepared for submission to enact this approach • Groundwater quality impacts extend approximately 900 metres south of the landfill in the Contaminant Attenuation Zone (CAZ) • For surface water, the ultimate receptor is Silver Creek, south of the landfill • Surface water quality impacts are attenuated within the CAZ and there were no benthic trigger exceedances in 2020 • Revised surface water quality and benthic trigger mechanisms are currently under review with MECP • Landfill gas exceedances occur at the eastern boundary of the East Cell • Watermark and the District are currently assessing options to determine the preferred contingency option to address the landfill gas exceedances <p>After the presentation, the forum was open for questions. Chair Maloney asked if the East Cell is at greater risk of environmental challenges.</p> <ul style="list-style-type: none"> • R. Byer-Coward explained that the West Cell is an engineered landfill such that leachate is captured, stored, and hauled offsite for treatment. As a result, impacts are not anticipated to migrate. However, the East Cell is an unlined landfill without a leachate collection system. It was designed with the expectation that the plume will dissipate over time. <p>Chair Maloney asked if the East Cell poses the same challenges as the Stisted landfill and will there be similar mitigation for the East Cell.</p> <ul style="list-style-type: none"> • T. Lee stated Stisted and Rosewarne (East) are similar as they are both designed as unlined landfills which impact the groundwater system. It was expected after 25 years, the impacts will be inert however sometimes | |

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| <p>it takes longer than what was originally perceived. Both of the sites' leachate leak into the groundwater and enter into surface water. These are not new problems; the District and the MECP have been working together for many years to establish new ways to manage and mitigate the impacts. The CAZ is one solution to rectify the situation; this area is intended to allow the impacts to dilute. From a compliance standpoint, as long as the impacts do not extend outside of the CAZ, the site is within compliance.</p> <p>Chair Maloney asked if the situation is critical in how it impacts the environment.</p> <ul style="list-style-type: none"> F. Jahn stated despite the MECP allowing the contamination, the District is looking to provide definitive solutions to help address groundwater, surface water, and landfill gas impacts. The District is working with Watermark on possible solutions as protecting the environment is important to the District. <p>N. Hutchinson asked if the CAZ is a fixed boundary or if it is meant to change.</p> <ul style="list-style-type: none"> T. Lee advised that the established legal boundary hasn't changed from when it was initially set and Watermark does not see a need to change it. <p>N. Hutchinson asked about the low background pH values discussed in the presentation, he wondered where the background values originated.</p> <ul style="list-style-type: none"> T. Lee stated Watermark samples other District sites and uses those pH values as the geographical backgrounds; low pH is a characteristic across Muskoka. <p>Chair Maloney appreciated the presentation and updates from Watermark and District staff.</p> | |
| <p>7. General Updates</p> | |
| <p><u>Cell 3 Construction Update</u></p> <p>R. Dureen provided an update on the construction of Cell 3 at the Rosewarne Landfill. The project has been delayed and did not meet the expected completion date of October 31st; the new target date is the first week of December.</p> | |

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| <p>F. Jahn stated the District is expediting completion and there is a contingency plan in place as Cell 2 is close to capacity.</p> <p>Chair Maloney asked if the winter months affect construction.</p> <ul style="list-style-type: none"> F. Jahn stated it is better to have the project completed before the winter months. The liner is in place and the leachate piping system is currently being installed. <p>S. Mack also noted through the development of Cell 3, it was realized the ECA requires MECP approval on the design of each new cell. The plan forward is to apply for approval of cell designs in a package (ex: Cell 4, 5, and 6). With the current approach, the design and construction are procured in one project. However, if the design is approved, the District can procure the construction separately, as the cells are required.</p> <p>Chair Maloney asked what Cell 3 cost.</p> <ul style="list-style-type: none"> F. Jahn answered Cell 3 cost \$3 Million dollars. However, not all the cells are the same size so price may vary. <p><u>Stormwater Management ECA Amendment Application</u></p> <p>S. Mack stated the District and Watermark continue work on a better path forward when it comes to Rosewarne’s environmental compliance. The MECP has supported the District and the MECP Technical Support Group have walked the site with District staff as well as Watermark to gain a better understanding of the site.</p> <p>Due to the consistent exceedances from the stormwater management pond, Watermark completed a Stormwater Management Trigger Mechanism and Contingency Plan review. Through this assessment, it was realized the trigger values were set below the background concentrations which results in the consistent overages. Watermark recommended revisions to the trigger criteria; the MECP’s Technical Support group reviewed Watermark’s suggestions and provided their own recommendations. In order to adopt the MECP’s recommendations, an ECA amendment is required; Watermark and the District are finalizing the amendment and will be submitting for MECP approval.</p> | |

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| <p><u>MECP Inspection (report pending)</u></p> <p>The MECP have re-initiated inspections of solid waste sites; these were previously on-hold due to the COVID-19 pandemic.</p> <p>J. Brown stated that Rosewarne Landfill was inspected on Wednesday, November 17 by MECP Environmental Officer (EO) Jennifer Barnett. District and Watermark staff were onsite to assist with the inspection. R. Dureen provided a site tour of the landfill operations, Cell 3 construction, and the transfer station operations. EO J. Barnett will initiate a document review based on the criteria outlined in the inspection report and provide a formal report once complete. The interim results are the site is in compliance and no non-compliances were noted or action items required. The inspection report has not been finalized but will be circulated to Committee members when available.</p> <p>R. Dureen stated J. Barnett was impressed with the operations of Rosewarne and of the construction at the Stisted Landfill which she inspected the same day.</p> <p>S. Mack informed the Committee the District’s regulator is the MECP Barrie District Office and the EO’s jurisdictions within Muskoka are separated into three areas – Bracebridge, Huntsville, Gravenhurst, and Lake of Bays under one portfolio; Muskoka Lakes under another; and Georgian Bay under the third inspector’s portfolio.</p> <p>Chair Maloney asked if the Environmental Officer’s portfolios extended outside of landfill sites.</p> <ul style="list-style-type: none"> • S. Mack answered that they include both municipal and private waste matters (illegal dumping, site fires, etc.) as well as other areas such as blue-green algae blooms. Although Chris Hyde, District Supervisor of the Barrie District Office, is overseeing the bin site transition. | <p>Circulate MECP inspection report when available</p> |
| <p>8. New Business</p> | |
| <p>F. Jahn provided information on topics discussed previously with the Committee, explained below.</p> | |

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| <p><u>Accessibility</u></p> <p>There is a District Accessibly Committee which is holding an upcoming meeting regarding the accessibility at waste sites; S. Mack and R. Dureen will be in attendance.</p> <p><u>Budget</u></p> <p>The 2022 Rate Supported Budget was approved at the Engineering and Public Works and Finance and Corporate Services Joint Committee meeting on Wednesday, November 17 (pending Council approval). The Waste Strategy was a big item with a large emphasis on diverting organics from the landfill.</p> <p><u>Land Acknowledgement</u></p> <p>District staff are working very closely with First Nations, especially with Solid Waste operations. The Department is in the early stages of consultation but is looking forward to working with them.</p> <p><u>Blue Box Transition</u></p> <p>N. Somerville requested a presentation from Staff at an upcoming meeting to better understand the blue box transition program. It is understood this program needs to be implemented by 2024.</p> <ul style="list-style-type: none"> S. Mack stated this can be brought forward at a future meeting with perhaps an update to Committee on other programs which have transitioned, such as Household Hazardous Waste. | |
| <p>9. Next Meeting</p> <p>Waste Strategy (Blue Box Transition)</p> <p>Staffing Resources</p> | |
| <p>10. Next Meeting Date</p> | |
| <p>It was decided the next meeting date will occur in the first quarter of 2022.</p> | |

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| <p>11. Adjournment</p> <p>Moved by N. Somerville and seconded by R. Bellicoso that the Rosewarne Public Liaison Committee adjourns to meet again in the first quarter of 2022, or at the call of the chair.</p> <p style="text-align: center;">Carried.</p> <p>The meeting adjourned at 2:01 p.m.</p> | |