

WARWICK PUBLIC LIAISON COMMITTEE

Twin Creeks Landfill

WM

Meeting Minutes Draft

Date: Wednesday, November 22, 2023

Time: 6:00 p.m.

Location: Twin Creeks Office Boardroom

Present: John McDonald, Wayne Jenken, Angela McLachlan – WM
Amanda Seaman – MECP
Todd Case, Jerry Westgate – Township of Warwick
Alex Ciccone, Wilf Ruland – TRT
Mac Parker, Marcie Parker, Mary Lynn Metras, John O’Neil, Marilyn Stephens, Karen Wood – WPLC
Brent Langille, Jeff Cleland – RWDI

Regrets: Gary Worsfold, Wiebren de Boer, Lily Braet – WPLC

1. Call to order – Chair Mary Lynn Metras

Mary Lynn Metras called the meeting to order at 6:00 pm.

2. Approval of/Additions to Agenda

Motion: That the Agenda be approved made by Todd Case

Seconded: Mac Parker

Motion: Carried

3. Acceptance of September 13, 2023, Minutes

Motion: That the Minutes from September 13, 2023 be accepted as presented, made by Wayne Jenken

Seconded: Jerry Westgate

Motion: Carried

4. Business Arising

a. TRT Annual Review – 2022 Year

The Technical Review Team (TRT) presented an overview/summary of their 2022 TRT Annual Report and their overall review process for the 2022 Annual Report.

The TRT noted that, in general, they were satisfied with WM addressing their comments related to landscaping, noise monitoring, and air quality monitoring.

The TRT noted three (3) main items from their review that they would like to receive regular updates on.

- With respect to odour, the TRT would like regular updates on when the Landfill Gas (LFG) System stops functioning normally/when maintenance is required and completed allowing the system to be fully functional again.
- The TRT would like to receive the Ministry of the Environment, Conservation, and Parks

- (MECP) inspection summary reports in a more timely manner.
- With respect to financial assurance, the TRT wants to have a call with WM regarding wording on relevant insurance documents.

It was clarified that the MECP inspection summary reports are completed on a semi-annual basis and summarize the information from the weekly inspections. With respect to the reporting period, the semi-annual inspection summary reports are released by the MECP as soon as their system permits. Of note, the MECP fiscal year with respect to reporting, is different than the calendar year. RWDI noted that the MECP semi-annual inspection summary reports are included in the Annual Monitoring Report if they are provided to WM prior to the Annual Monitoring Reports finalization and submission to stakeholders. RWDI also noted that clarification on the MECP fiscal year will be noted in future Annual Monitoring Reports.

The TRT provided a summary of their comments on groundwater quality and surface water quality.

- Evaluation of water quality is more of the focus for the Existing Landfill (the older/smaller landfill on the east side of the Site) than the Expansion Landfill as it is constructed with newer engineering design technology.
- The TRT generally encourages WM to lower leachate levels within the Existing Landfill waste mound.
- The TRT encourages WM to prevent trackout of Automobile Shredder Residue (ASR).

WM noted that they have explored alternative options to more effectively manage the ASR material, but that the current implemented alternative is reducing the use of it in certain areas of the landfill working face. WM also noted that they recently (by end of October 2023) completed cleanup of ASR material in accordance with the ASR Abatement Plan, dated July 27, 2023.

A member of the WPLC asked how the leachate generated at the Site is managed.

RWDI stated that the majority of the leachate is transported off-site for treatment at the Chatham Water Pollution Control Plant, while a portion of it is irrigated onto the Poplar System during the growing season.

Within the next few months, the TRT noted that they will be reviewing the updated Leachate Management Plan draft as well as the updated Financial Assurance Re-evaluation Report draft.

b. Full Time Inspector from MECP

The Township of Warwick stated that they plan to continue to communicate with the MECP with respect to a full-time inspector, but that the MECP continues to support the current inspection frequency.

The TRT stated that they are in support of the Township's position to continue to communicate with the MECP with respect to a full-time inspector.

c. RWDI:

- Q3 2023 Exceedances and Monitoring
- Q4 2023 Correspondence
- Complaint report as per 11.4

RWDI noted that the Q3 2023 Compliance Monitoring Report had not yet been submitted to the MECP as it is due November 29, 2023. RWDI noted that there had not been any Q4 2024 Correspondence to date. RWDI provided a summary of complaints.

General discussion took place regarding scheduling the WPLC meetings following the submission date for the relevant quarterly compliance monitoring report so that relevant reports can be provided to the WPLC prior to the WPLC meeting.

5. New Business

- a. Motion for return of prior Member Holly Watson - Withdrawn

WM mentioned that Holly Watson withdrew her request to re-join the WPLC.

- b. Landfill Optimization EA - PIS 2 (Existing Conditions) - Nov 29, 2023 and Dec 5, 2023

WM provided the following update with respect to the Landfill Optimization EA:

- The 1st major milestone (Existing Conditions Reports) has been reached.
 - The consultants covering the 13 disciplines have submitted their Existing Conditions Reports to WM.
 - Two public information sessions are being held at the Site for the public to ask questions on the 13 disciplines. Technical experts on the 13 disciplines will be present to answer questions.
 - 1st on November 29, 2023
 - 2nd on December 5, 2023
- The week of November 13, 2023, notifications via the newspaper, email, and the Twin Creeks website, for the public information sessions was sent out.

A member of the WPLC asked for clarification on the potential future height of the Expansion Landfill waste mound. WM stated that the evaluation of proposed alternatives for the Landfill Optimization (that does include waste mound height), is still to be completed as part of the EA process.

6. Reports

- a. Twin Creeks Operational Report from John McDonald

- Tonnage reports (Sept, Oct)

WM presented a summary of the following Operational Information.

- Tonnage tracking
- Landfill progressive fill plan

WM is currently reducing their incoming waste tonnage to ensure that compliance with the approved annual waste tonnage achieved by the end of the year. At the end of October, tonnage received was at approximately 1,340,000 T. The additional waste tonnage, that would otherwise go to Twin Creeks, is going to other locations.

WM is currently landfilling in Cell 4 from west to east, filling to the grade of 270 mASL (high point for area). For reference, the average ground surface elevation is approximately 245 mASL. This fill plan is to maintain proper slope of the waste surface to accommodate for Landfill Gas collection system collection line replacement in 2024 (replacement occurs as WM achieves higher levels of waste grade). Once target waste grade in Cell 4 is achieved, WM will then transition to landfilling Cell 6A and Cell 6B early in 2024 once Cell 6B is fully connected to Cell 6A.

In Cell 4, as WM is landfilling from west to east, interim capping is being applied over the waste.

WM is removing the high level access ramp at the west side of Cell 4 to allow for landfilling of waste up to the design grades.

b. Twin Creeks Engineering Report from Wayne Jenken

- Construction Update

WM provided the following construction updates:

- 2023
 - WM anticipates starting the site preparation construction for the RNG facility within the few weeks.
- 2024
 - WM anticipates the construction of the RNG facility footings, foundations, and erection of the buildings to begin early in 2024.
 - Enbridge is expected to begin the installation of the RNG pipeline between the Site and the Alvinston valve station.
 - Pre-excavation of Cell 6C is expected to take place in the spring of 2024 (Liner System to be installed in Cell 6C in 2025).
 - Landfill Gas (LFG) System Extensions
 - Cell 4
 - Waste grade is currently at approximately 250 metres Above Sea Level (mASL).
 - LFG System extension to occur once 260 mASL is achieved. Replacement of old connection pipes with new collection pipes.
 - LFG System extension for West half of Cell 4 to be completed early 2024.
 - LFG system extension for East half of Cell 4 to be completed mid 2024.
 - Cell 6A and 6B
 - LFG system extension to be completed late 2024, of which will connect approximately 50 new LFG wells.

The Township of Warwick asked if WM expects there to be any challenges with managing the traffic associated with each, the waste haulers, the construction traffic associated with the RNG facility, and the public accessing the public waste drop off at the mini-transfer station.

WM noted that they will have traffic control in place for the construction traffic associated with the RNG facility, and that the public will still be able to access the public drop off. WM also expects that construction traffic associated with the RNG facility will be able to be re-directed to using the access off of Confederation Line, through the south end of the Site, once that road is constructed.

A member of the WPLC asked if the access off of Confederation Line will affect the section of the nature trail that passes through that area.

WM noted that it will, but that signage will be installed for street crossing.

- Landfill Optimization Update
 - PIS 2 (Existing Conditions) – Nov 29, 2023 and Dec 5, 2023

c. MECP Inspector – Review of MECP Inspections

The MECP provided the following review of MECP Inspections:

Inspection Reporting Frequency

Weekly inspections are still taking place with weekly inspection reports submitted to WM. There will be a report summarizing the events from April 1 to September 30, 2023 provided to WM.

Inspection Summary

Since the last meeting, ten (10) inspections have been conducted by the MECP. Eight (8) inspections have taken place during the operating hours of the landfill. One (1) inspection was completed prior to operating hours and one (1) inspection was completed after the operating hours to assess compliance with daily cover requirements.

Notice of Violation

On September 13, 2023, the MECP conducted an inspection after the landfill's operating hours. The purpose was to assess daily cover requirements. A large portion of the primary working face had been left open and a small portion was covered by tarps. Cover material was readily available; however, it had not been placed on the active face.

WM was issued a Notice of Violation for failure to comply with condition 3.47 of the ECA, i.e. lack of daily cover.

A follow up inspection occurred on November 16th to ensure daily cover requirements were being met. On November 16th, the MECP conducted an inspection prior to landfilling operations starting for the day. The primary working face had been adequately covered with approved daily cover materials and met the conditions outlined in the ECA.

Odour

Odour has been identified downwind of the landfill during every inspection since the last WPLC meeting. Offsite odours vary in intensity but since September 2023 odours typically been rated low. Odours around the site have been attributed to landfilling activities and were noticeably stronger when Flare 1 was down during the inspection on November 8th. Since that inspection, Flare 1 has been repaired and the landfill gas odour has decreased. Agricultural odours are also present around the site.

Landfilling Activities

During the reporting period, all current landfilling activities have been on Cell 4. The active workforce has been typically minimized in order to allow for daily cover to be applied appropriately.

ASR

ASR is still being used as daily cover on non-drivable surfaces to ensure trucks will not drag out ASR onto the roadways. During the weekly inspections, the MECP has not noticed ASR being tracked offsite and since the last meeting, WM has successfully completed their ASR Abatement Plan and cleaned up the ditch and shoulder on Nauvoo Road. Continued monitoring by WM & the MECP inspector will ensure track out does not become a problem again.

Leachate

As noted at previous WPLC meetings, due to the wet summer, the site's leachate generation has been higher than normal. WM is exploring options to dispose of leachate offsite at other locations in order to reduce the volumes observed onsite. The MECP continues to watch the leachate levels and is working with WM to ensure proper disposal offsite.

Complaints

No complaints were reported to the MECP, other than the complaints to be discussed by WM and their consultant. No issues were identified regarding WM's follow up and response. There have been no other significant environmental concerns at the site during the last two months. WM continues to show general

compliance with SOPs, BMPs and the ECA.

The MECP noted that if anyone has any questions or concerns, they can reach out to Amanda Seaman directly.

The Township of Warwick asked if WM has received any fines since the last WPLC meeting.

The MECP stated that WM has not received any fines since the last meeting and clarified that the Notice of Violation WM received on September 13, 2023, did not constitute a fine.

7. Open Session

No comments.

8. Next Meeting Date/Agenda

- a. Wednesday, March 20, 2024 @ 6:00 pm

Motion: That the next meeting date be Wednesday, March 20, 2024 at 6:00 pm made by Wayne Jenken

Seconded: John O'Neil

Motion: Carried

9. Adjournment

Motion: That the WPLC Meeting be adjourned, made by Wayne Jenken

Seconded: John O'Neil

Motion: Carried