

WARWICK PUBLIC LIAISON COMMITTEE

Twin Creeks Landfill

WM

Meeting Minutes

Date: Wednesday, June 14, 2023

Time: 6:00 p.m. Meeting

Location: Twin Creeks Office Boardroom

Present: Angela McLachlan, John McDonald, Wayne Jenken – WM
Michael Harris – MECP
Todd Case, Jerry Westgate – Township of Warwick
Mac Parker, Mary Lynn Metras, John O’Neil, Gary Worsfold, Marilyn Stephens, Lily Braet,
Wiebren de Boer, Karen Wood – WPLC
Brent Langille, Khalid Hussein– RWDI

Regrets: Marcie Parker

1. Call to order – Chair Mary Lynn Metras

Mary Lynn Metras called the meeting to order at 6:01 pm.

2. Approval of/Additions to Agenda

Motion: That the Agenda be approved with the following change: Item 6b Twin Creeks Landfill Operational Report to be presented ahead of Item 6a MECP Inspector report made by John McDonald

Seconded: Jerry Westgate

Motion: Carried

3. Acceptance of March 9, 2023, Minutes

Motion: That the minutes from March 9, 2023 be accepted as presented, made by Todd Case

Seconded: John McDonald

Motion: Carried

4. Business Arising

a. Full Time Inspector from MECP

No comments

b. Resignation and New Member Application:

i. Holly Watson (Resignation) – Holly Watson retired from continuing as a member of the WPLC effective this June 14, 2023, WPLC meeting. A general discussion was held thanking Holly for her commitment to the WPLC.

ii. Karen Wood (Application)

General discussion with members regarding communication with new and potential members.

Motion: That Karen Wood’s application for WPLC membership be approved, made by Wayne Jenken
Seconded: John McDonald
Motion: Carried

c. RWDI: Q1 2023 Exceedances and Monitoring & Q2 2023 Correspondence

RWDI presented a summary of the 2023 Q1 and Annual Compliance Monitoring and Reporting, as well as summaries of the complaints received to date and the 2023 Q2 Surface Water Monitoring Letter of Notification.

RWDI provided general answers to the questions and noted that further details can be found in the 2023 Q1 reports.

A member of the WPLC noted a nearby farmer experienced some stormwater runoff on their field. WM explained that the cause of this was due to water being pumped out of the Cell 6B excavation into the onsite pond. The release of water from the pond was set to follow the natural drainage path which resulted in runoff on an adjacent farmer’s field. Once the runoff was detected pumping was halted and the pond sluice gates were modified to divert the water away from the impacted area.

A general discussion arose regarding some orange-stained area that was observed in a stormwater ditch onsite by the intersection near the ramp to “small dumping area”. The current hypothesis for the cause of this staining is due to the decomposition of phragmites. WM is currently monitoring the area and completing field samples as required.

5. New Business

None

6. Reports

a. Twin Creeks Landfill Operational Report from John McDonald

i. Tonnage reports (March, April, May)

WM presented a summary of the following Operational Information.

- Tonnage tracking
- Landfill progressive fill plan
- Landfill gas collection system status

WM noted that they currently have 18 wells offline due to a break in a subheader line. WM explained that line breakages occur in a number of ways. Minor breakages can occur when lines get snagged when tarps are pulled, well strikes with equipment and trucks and major incidents can occur during excavations.

WM is currently landfilling in Cell 4b heading west towards 4a with a short-term elevation target of 263 mASL prior to then filling to the grade of 265.7 mASL. WM estimates that it will take approximately 8 months to complete landfilling to 265.7 mASL in Cell 4.

Cell construction for Cell 6b is anticipated to be completed before the end of July. Connection of Cell 6b to the leachate collection system will be delayed until WM is prepared to commence landfilling in the Cell in order to ensure leachate is not generated.

In June WM received a notice of violation from the MECP regarding a lack of cover on a secondary workface. The area in question was a ramp being constructed for secondary access to Cell for access from the scale road. This area was to be tarped which was overlooked by the cover crew.

b. MECP Inspector – Review of MECP Inspections

The MECP presented an overview of the MECP inspection reports during the last 12 weekly inspections and noted the following.

- Odours of varying intensity were noted during 11 of the inspections with landfill gas odours decreasing since the finalizing of the gas collection system in cell 4B.
- During the 12 weekly inspections completed by the MECP, WM was landfilling waste in Cell 4.
- On May 31, 2023, the MECP conducted an inspection to assess daily cover requirements. The primary working face had been adequately covered, however a portion of an active area had been left open. A tarp was nearby and cover material was readily available, however it had not been placed on the active face. A Notice of Violation was provided to the Company, and they were given thirty days to retrain staff in applying daily cover.
- ASR has been used on site as daily cover. During April and May ASR was being used on non-drivable surfaces to ensure trucks could not drag out ASR onto the roadways.
- ASR is now being used on areas of the active face that are further into the landfill – to allow trucks sufficient time for any debris to fall out prior to exiting the site. Continued monitoring by WM & the MECP will ensure drag out does not become a problem.
- During one of the inspections, the WM reported to the MECP potential leachate seep in the existing landfill near MH3SA & MH3SB. Saturated areas near these manholes and some pooling water was observed. There were no immediate concerns with impacts to surface water. WM started the lower the leachate mound in the cell and added more clay cover in the area to reduce any movement of leachate. Continued monitoring and containment are being done by WM.
- During one of the inspections, some oddly colored staining was observed in a stormwater ditch onsite by the intersection near the ramp to “small dumping area”. The material did not appear mobile and seemed to be staining of some sort. WM blocked the ditch, took field samples and cleaned the ditch. WM continues to monitor this area and is exploring potential causes, including oxidization of gallic acid from phragmites.
- There were no issues with respect to WM following the complaints process.

The MECP noted that the next two (2) detailed summary reports spanning 6-month periods will be expected to be submitted by the end of September 2023 and March 2024. Weekly inspections conducted by the MECP are expected to continue, with the weekly inspection summary reports being submitted to WM.

A general discussion arose regarding the frequency of MECP inspection reports. The MECP stated that they are currently completing weekly site inspections and generating weekly inspection reports that are then summarized in their semi-annual inspection reports. The semi-annual reports consolidate and summarize the findings from the weekly reports.

Further general discussion arose regarding the format of the WPLC meetings primarily focusing on how WM can better inform the WPLC on onsite operations, ideas such as presenting a topic in depth during the upcoming were discussed.

A member of the WPLC noted that there was a fire at the landfill. WM confirmed that a fire occurred on Sunday April 17th. The fire occurred at the working face. The fire was identified and quickly extinguished by local fire response.

7. Open Session

General discussion arose regarding the RNG project and the potential for natural gas infrastructure for the Township of Warwick

WM provided an update regarding the RNG project. The first public meeting occurred on March 30th, since then provincial environmental regulatory amendments and municipal site plan approval applications have been completed and submitted for approval.

WM provided an update on the landfill optimization project. Existing condition assessments are currently ongoing and will be completed in the coming months. WM also noted that the next milestone to come is a public information session to present the results of the existing condition reports expected to occur in the fall.

8. Next Meeting Date/Agenda

- a. Wednesday, September 13th, 2023 5pm with onsite tour.

Motion: That the next meeting date be September 13, 2023 at 5:00 PM in person, made by John McDonald

Seconded: Mac Parker

Motion: Carried

9. Adjournment

Motion: That the WPLC Meeting be adjourned, made by John McDonald

Seconded: Angela McLachlan

Motion: Carried