

WARWICK PUBLIC LIAISON COMMITTEE

Twin Creeks Landfill

WM

Meeting Minutes

Date: Wednesday, March 20, 2024

Time: 6:00 p.m. Meeting

Location: Twin Creeks Office Boardroom

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

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: Karen Wood

Motion: Carried

3. **Acceptance of November 22, 2023, Minutes**

Motion: That the minutes from November 22, 2023 be accepted as presented, made by Angela McLachlan

Seconded: Weibren de Boer

Motion: Carried

4. **Business Arising**

a. Full Time Inspector from MECP

The Township of Warwick mentioned that the topic of a full time Ministry of the Environment, Conservation, and Parks (MECP) inspector be kept on the agenda as the Township of Warwick has continued interest in there being MECP inspection at the Site as frequently as possible.

The Township of Warwick mentioned that they had met with MECP Minister regarding frequency of MECP inspection at the Site and the MECP inspection reporting frequency. The Township of Warwick noted that the MECP plans to continue with weekly Site inspections at the Site. In addition, the Township of Warwick mentioned that the MECP would soon be releasing detailed monthly Site inspection reports instead of the current semi-annual Site inspection reports.

WM mentioned that they are of the position that the topic of a full time MECP inspector be removed from the agendas as a reoccurring item when there is no “business arising” for it.

General discussion took place regarding the topic of a full time MECP inspector. There was general agreement that the topic of a full time MECP inspector will continue to receive attention and it was agreed that the item will continue to remain on the WPLC meeting agenda.

b. RWDI: Q4 & Annual 2023 Exceedances and Monitoring & Q1 2023 Correspondence

- Q4 and Annual 2023 Exceedances and Monitoring

RWDI asked the WPLC if there were any questions on the 2023 Q4 and Annual Monitoring Report.

No questions or comments.

- Q1 2024 Correspondence (includes Complaint Report as per 11.4)

RWDI presented a summary of the 2024 Q1 Correspondence.

- “Landfill 101” Quarterly Topic: Surface water (SW) Testing

RWDI presented to the WPLC, a presentation on “Surface Water & Surface Water Monitoring” at the Twin Creeks Environmental Centre.

General clarification was provided on some of the information from the presentation.

5. New Business

a. Election of Chair

Motion: That Mary Lynn Metras be re-elected as Chair, made by Todd Case

Seconded: John McDonald

Motion: Carried

b. Commitment of Committee Members

WM noted that WPLC members, Gary Worsfold, Mac Parker, Marcie Parker, and Marilyn Stephens, are due to decide if they would like to commit for another 3-year term as WPLC members.

Gary Worsfold, Mac Parker, and Marilyn Stephens mentioned that they will continue to be WPLC members. Marcie Parker mentioned that she would inform WM, sometime following the meeting, whether or not she would like to continue to be a WPLC member for another 3 years.

c. Memorandum of Understanding – Remuneration

WM informed the WPLC that the updated remuneration rates are as follows:

- Chair: \$255.38
- Secretary: \$17.52
- Members: \$109.45

d. Condition 3.8 of Amended ECA A032203 – “The WPLC shall determine the appropriate meeting frequency and review it on an annual basis”

i. ToR 1.4

Motion: That the WPLC quarterly meeting frequency be maintained (four (4) meetings per year) made by John McDonald

Second: Gary Worsfold

Motion: Carried

6. Reports

a. Twin Creeks Landfill Operational Report from John McDonald

i. Tonnage reports (Nov., Dec., Jan., Feb.)

WM presented the following Operational Information summary.

WM noted that the incoming waste tonnage to date, is less than previous years, of which is to ensure that there are fewer service disruptions (i.e. re-directing incoming waste to other sites such as Pine Tree Acres in Michigan) later in the year.

On February 28, 2024, WM was informed by the MECP that WM will receive a Notice of Violation as a result of insufficient cover on two (2) two separate areas of the landfill workface.

WM continues to transport leachate offsite to the Chatham, ON wastewater treatment plant. WM also now has an agreement in principle with the Town of Petrolia, ON, for leachate to be transported offsite to the wastewater treatment plant in the Town of Petrolia. WM is working with the MECP to get approval before transferring leachate from Twin Creeks to the Town of Petrolia. In addition, WM is communicating with the City of London, ON for an additional location to transport leachate to.

For environmental sustainability, this week of March 18, 2024, WM began converting all the fluorescent light fixtures to LED. WM will also be installing three (3) Electric Vehicle (EV) charging stations onsite for the future progressive expansion of WM's EV vehicle fleet. WM informed its employees that one (1) of the EV charging stations will be for employee use as an incentive to follow WM in the progressive pursuit of environmental sustainability. The first WM EV pickup truck is scheduled to arrive at the Site in May 2024.

b. Twin Creeks Engineering Report from Wayne Jenken

- Construction Update
- Landfill Optimization Update

WM presented the following Engineering Information summary.

Landfill Optimization Project Environmental Assessment (EA) Update:

- Existing Conditions (EC) reports were prepared and presented in Public Information Session #2 (PIS2) in Nov 2023.
- WM has received stakeholders and MECP comments on the EC reports and are working to prepare responses and update EC reports.
- WM will work on the Effects Assessment reports during 2024 and expects to present them in Public Information Session #3 (PIS3) in the fall of 2024. Following PIS3 WM will receive stakeholder and MECP comment on the Effects Assessment reports.
- The result of the Effects Assessment reports will be a preferred alternative for the landfill optimization that will be the foundation for the draft EA.

Renewable Natural Gas (RNG) Facility Update:

- WM has received most of the permits for construction and operation of the RNG Facility. WM has received the amended waste and air ECAs, the site plan amendment, as well as the building, septic and entrance permits. WM is still awaiting the amended sewage ECA.
- Enbridge has received Leave To Construct (LTC) from Ontario Energy Board for the pipeline that will transport the natural gas from the RNG Facility to market.
- The Hydro One design is underway for electricity to power the RNG facility.
- Site preparation (roads, grading, clearing, ditches, entrance, signage, etc. – approx. 70% complete of which was awarded to local contractor All Season Excavating (ASE)).
- Excavation, concrete (footings, foundations, pads) and underground services set to begin in approximately two (2) weeks, of which was also awarded to local contractor ASE.
- The RNG Facility building is expected to begin construction in mid-April. Most of the equipment to be installed within the building is already fabricated, delivered and in storage.
- WM continues to target early 2025 for the RNG Facility start-up and commissioning with commercial operation to follow.

2024 Construction:

- The excavation of Cell 6C, of which WM intends to line in 2025. Most of the excavated clay from the excavation of Cell 6C will be installed on Cells 3 & 4 as interim cover.
- Expansion of the landfill gas (LFG) collection system. The LFG collectors in Cells 3 & 4 (currently installed at the 250 metres Above Sea Level (mASL) elevation) will be replaced with new collectors (at 265 mASL elevation).
- Installation of LFG collectors in Cell 6 (6A and 6B) are expected to near the end of 2024 will include the connection of about 50 new wells (at elevation 250).
- Later this year WM plans to construct a second leachate storage tank – adjacent (west) of the existing leachate storage tank.
- Renovation of WM's main office building basement into office space for increasing number of LFG technicians who maintain the LFG collection system and LFG flare facility. The site currently has three (3) LFG technicians and expects to increase to 4 and then 5 as LFG flow and number of wells increases.

c. MECP Inspector – Review of MECP Inspections

The MECP presented a summary of the MECP inspections.

Inspection Summary

Since the last meeting, 16 inspections have been conducted by the MECP. 15 inspections have taken place during the operating hours of the landfill and one inspection was completed prior to operating hours to assess compliance with daily cover requirements.

Notice of Violation

On February 28, 2024, the MECP conducted an inspection before the landfill's operating hours. The purpose was to assess daily cover requirements. A portion of the primary working face on Cell 4 was not adequately covered and the truck clean out area was left uncovered. The Company will be issued a Notice of Violation for failure to comply with condition 3.47 of the ECA, i.e. lack of daily cover.

Odour

Odour has been identified downwind of the landfill during 11 of the last 16 inspections since the last WPLC meeting. Offsite odours vary in intensity but since September 2023 odours typically been rated moderate to low. Odours around the site have been

attributed to landfilling activities. The odours were noticeably stronger during the January 24th inspection, but they can be attributed to the fill area, the wind direction and the weather conditions during the time of the inspection. No complaints were received, and the company (WM) was following the Odour Control BMP. Agricultural odours are also present around the site.

Litter

Litter was identified offsite during two inspections and was already being addressed by the Company (WM). Litter has been found outside the active face in almost all the inspections. Although litter can be an issue at this time of year (high winds, frozen ground etc.) there have been no significant issues found with the company following the litter BMP. Litter pickers have been observed on site and ensure that offsite litter is picked first.

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. Continued monitoring by the Company (WM) and the MECP will ensure drag out does not become a problem again.

Spill

During the January 30, 2024 inspection, the MECP observed a hydraulic fluid spill in an on-site ditch adjacent to the Flares. The Company (WM) was notified and immediately placed clay berms on either side of the spill to prevent the material from migrating and had absorbent pads placed on the material. Through follow up, the spill was cleaned up and no offsite impacts were observed.

Leachate

A leachate seep was reported by the Company (WM) to the MECP during the February 13th inspection on Cell 2. During the inspection, the MECP observed the Company (WM) re-capping the area where the leachate seep was identified, and no further seeping was observed by the MECP. There were no concerns with impacts to surface water. As noted at previous WPLC meetings, the Site's leachate generation has been higher than normal. The Company (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 the Company (WM) through ongoing discussions to ensure proper disposal offsite. There have been no other significant environmental concerns at the site since the last WPLC meeting.

Complaints

No complaints were reported to the MECP, other than the complaints discussed by the Company (WM) and RWDI. No issues were identified regarding the Companies (WM) follow up and response. The Company (WM) continues to show general compliance with SOPs, BMPs and the ECA.

Inspection Reporting Frequency

Weekly inspection reports are submitted to the Company (WM) and a detailed report summarizing the events from October 1, 2023, to February 29, 2024, will be provided to the Company (WM) this month. Beginning in April 2024 for the 2024/2025 reporting year, the MECP will be updating the inspection reporting frequency. Currently, the MECP provides weekly inspection reports along with two detailed semi-annual inspection reports to WM. Starting in April 2024, the MECP will provide WM with monthly inspection reports that reflect and summarize the results of the inspections and correspondence that occurred throughout the month instead

of providing weekly inspection reports. This change in reporting frequency aligns with MECP's inspection reporting frequency before 2020. The MECP has discussed this change with the Company (WM) and WM has indicated that they will be providing copies of the monthly inspection reports to the WPLC and the Township of Warwick.

Amanda Seaman of the MECP noted that, as always, if anyone has any questions or concerns, please feel free to reach out directly.

A member of the WPLC asked the MECP if they could clarify where the hydraulic fluid spill occurred. The MECP mentioned that it was within the on-site ditch directly adjacent to the location of the LFG flares.

7. Open Session

General discussion took place regarding the involvement of Enbridge with the future RNG Facility, and if the Township of Warwick had any updates on if Enbridge would provide additional natural gas to the Township of Warwick.

The Township of Warwick stated that they have been in communication with the Ontario Energy Board but that there are no updates at this time.

A member of the WPLC mentioned that they have noticed increased landfill odour recently and asked WM if there is a reason for the increased odour.

WM noted that select landfill cells (Cells 3 and 4) will be reaching waste target elevations this year, such that replacement LFG collection lines will be installed/connected to the vertical gas wells to increase the efficiency of LFG collection from those cells. Also, this year, Cell 6A is expected to achieve its first target waste elevation for the first set of LFG collection lines to be installed to connect each vertical gas well to the collection system. When a cell has not yet achieved its first target waste elevation, the LFG is only collected, by the collection system, through the leachate collection lines along the base of the landfill cell where they protrude out of the landfill liner system around the perimeter of the Expansion Landfill. Where the leachate collection lines protrude out of the landfill liner system, LFG well heads are installed to connect the leachate collection lines to the LFG collection system.

8. Next Meeting Date/Agenda

- a. Wednesday, June 19, 2024

Motion: That the next meeting date be June 19, 2024 at 6:00 PM in person, made by John McDonald

Seconded: Gary Worsfold

Motion: Carried

9. Adjournment

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

Seconded: Mac Parker

Motion: Carried