



Staff Report

Report Title: Waste Management May 2023

Prepared By: John Yungblut, Director of Public Works

Department: Public Works

Date: May. 1, 2023

Report Number: PW-2023-05-30

File Number: C11 PW 23

Attachments:

Recommendation:

THAT the Township of Huron-Kinloss Committee of the Whole hereby receives for information Report No. PW-2023-05-30, prepared by John Yungblut, Director of Public Works.

Background:

Yard Waste Depots

The Township operates two seasonal yard waste disposal sites. One is located south of the Lucknow Kinsmen Soccer Fields and the other is located east of the Huron Landfill. Both sites opened for the season on April 15th.

Leachate Disposal

For several years, the Huron Landfill has had issues controlling storm runoff that has been contaminated with solid waste, referred to as leachate. In 2020, Township staff installed a below ground collection tank that was intended to provide an access point to either recirculate the accumulated water on the landfill property and allow it to evaporate or pump it into a truck and disposed of it at a licenced facility, which was done in the fall of 2020 under a temporary approval from the MECP.

In 2021, Township staff applied for a revised Environmental Compliance Approval (ECA) for the Ripley Lagoon that would allow for this site to accept leachate from the Huron Landfill. In December 2022, Township staff received the amended ECA.

Earlier this year, the Ministry has once again requested that the Township address the standing water on the Huron Landfill property. Since our amended ECA does not allow leachate disposal within 60 days of lagoon discharge, we had to find another

location that would accept this material until spring discharging was complete. The wastewater plant in Walkerton agreed to accept the leachate at a rate of \$22/m³.

Discussion:

Yard Waste Depots

Township staff decided to make some improvements to the Huron Landfill site to provide more space for leaf waste and better access to the brush disposal area from the Landfill site before opening this year.

Leachate Disposal

Although Township staff did not budget to haul leachate to another facility this year, the wet weather and lack of freezing conditions over the winter resulted in having to come up with a solution. Ideally, we would like transport the leachate in October and November once fall discharge is complete, however, we did not have our amended ECA in time.

From March 9th until April 24th approximately 333m³ of leachate was hauled to the Walkerton plant. Fortunately, spring discharge was completed on April 27th, so any future loads can be delivered to the Ripley Lagoon. When factoring in transportation costs, the leachate disposal costs this year are approximately \$18,000.

Dry summer weather should reduce the amount of leachate that needs to be hauled off site.

Financial Impacts:

Yard waste depots and leachate disposal are funded through the Operating Budget.

Strategic Alignment / Link:

We are an environmentally conscious community that is a good steward of our natural environment by using our resources wisely, and by being aware and taking responsibility.

Respectfully Submitted By:

John Yungblut, C.E.T., Director of Public Works

Approved By:

Mary Rose Walden, Chief Administrative Officer