



Staff Report

Report Title: Kinloss Landfill Expansion Report

Prepared By: John Yungblut, Director of Public Works

Department: Public Works

Date: Mar. 6, 2023

Report Number: PW-2023-03-17

File Number: C11 PW23

Copy to: E07 KIN 21

Attachments: Final Report, Kinloss Landfill Map

Recommendation:

THAT the Township of Huron-Kinloss Committee of the Whole hereby approves Report Number PW-2023-03-17, prepared by John Yungblut, Director of Public Works;

AND FURTHER adopts the Kinloss Landfill Expansion Report provided by Dillon Consulting Limited in principle.

Background:

With the anticipated closure of the Huron Landfill in 2029, Township staff have are in the process of evaluating options for waste disposal in the Township.

On Nov. 15, 2021, the contract for evaluating potential options for the expansion of the Kinloss Landfill site was awarded to Dillon Consulting Limited.

Discussion:

The consultant evaluated five potential options for utilizing the Kinloss Landfill site:

1. Developing the Landfill without expansion

This option is not feasible since the investment in construction facilities at the Landfill would be far too costly if the site is only able to accept household waste for as little as 9 years.

2. Constructing a public drop off depot site.

This option is essentially leaving the site as is with the addition of the collection of some other materials such as electronic waste, mattresses and potentially drywall and asphalt shingles. Household waste would still not be accepted.

3. Constructing a compost facility.

This is an option that could be implemented along with another strategy since it does not address household waste disposal. Based on the work being done through the Municipal Innovation Council (MIC), the mostly likely operator of an organics collection program is the County of Bruce. A disposal site for this program will need to be established, so constructing this type of facility could be a potential revenue source for the Township if a green bin program is implemented. Members of the MIC have only had conceptual conversations regarding an organics program, so it is too early to determine if this will be implemented in the near future.

4. Constructing a transfer station.

This option is a viable solution either as a short term or long term solution if landfill capacity is not considered feasible. This type of facility is probably better suited at the Huron Landfill because the facilities are already in place to weigh and manage the materials. Any waste that can be diverted from the waste stream would be collected and waste that must be landfilled would be collected in bins and disposed of at another landfill.

5. Expanding the Kinloss Landfill

The report investigated maximizing the use of the Kinloss Landfill property by mining the existing waste expanding the licenced area. This could be a viable initial phase in a multi-phase expansion plan if the expansion of the Kinloss Landfill property is a realistic possibility. The existing 6.8 ha (17 acre) property is not large enough to be a viable landfill site for the Township, however, there are neighbouring lands that could be incorporated into that is not available at the Huron Landfill.

It should be noted that the cost estimates that are provided in the report are high level and more investigation will be required to obtain more accurate figures.

Township staff support the conclusion of the consultant that a transfer station is the most attainable solution at this time, however, this is not likely a sustainable solution over the long term. The only long-term solution to landfilling waste within the Township appears to be acquiring land and expanding the Kinloss Landfill.

Acquiring additional airspace at the Huron Landfill is unlikely because of the constraints of the South Pine River on three sides of the property and expanding vertically will not likely be approved by the Ministry.

With the blue box transition to a producer responsibility program expected to be completed in 2025, there may be other programs implemented that could further reduce the demand for municipalities to manage household waste.

Financial Impacts:

The cost of this project was \$24,990.00 plus HST and was included in the 2022 Capital Budget and funded by the NWMO Resource Fund.

Strategic Alignment / Link:

We are an environmentally conscious community that are good stewards of our natural resources by being aware and taking responsibility.

We are an accessible community that offers opportunities for everyone by having amenities and services nearby and being open and transparent.

Respectfully Submitted By:

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

Approved By:

Mary Rose Walden, Chief Administrative Officer