



Administration and Operations Committee Report

To: The Chair and Members of the Administration and Operations Committee
From: Matthew D'Hondt, Solid Waste/Wastewater Operations Manager
Date: December 17, 2024
Report #: RPT-0500
Subject: Solid Waste Control By-Law and Solid Waste Program Updates
Purpose: For Approval

Recommendation

Whereas the residential Blue Box program will transition to the management and operation by Circular Materials Ontario (CMO) on behalf of the Producers on January 1, 2025;

Be it hereby resolved that Solid Waste Control Bylaw 146-17 be repealed and replaced with Bylaw XX-24 as presented in this report due to the transition of the Blue Box program.

Strategic Plan Priority

Strategic Priority 5 - Healthy, Safe, and Engaged Citizens

Impacts and Mitigation

Social Impacts

The Solid Waste Control By-law is a tool for the management and movement of solid waste materials in the County. Recent changes to the Solid Waste Program at the County, including the Blue Box regulation changes, will have an effect on what is collected by the County at curbside, as well as how materials are disposed of at the Biggars Lane Landfill and Paris Transfer Station.

Environmental Impacts

The Solid Waste Control By-law assists with the protection of the natural environment through the proper disposal of solid waste materials.

Economic Impacts

The Solid Waste Control By-law protects the County and public from financial implication of adverse effects caused by the improper management of solid waste materials. Updates recommended will ensure the Producers, and their contractors, do not impose a financial burden on the County.

Report

Background

The purpose of this report is to provide updates on the following solid waste program changes and recommend associated Solid Waste Control By-law updates based on the recent program changes:

1. Residential Blue Box transition to Producer responsibility;
2. Joint Household Hazardous Waste Events with the City of Brantford;
3. Biggars Lane Landfill Expansion.

The draft Bylaw to replace the existing waste management bylaw is enclosed as Attachment 1

Analysis

1. Residential Blue Box transition to Producer responsibility

The residential Blue Box program will transition to the management and operation by Circular Materials Ontario (CMO) on behalf of the Producers on January 1, 2025. CMO has contracted Emterra Environmental to complete residential Blue Box collection in the County for the period of 2025 to 2032. CMO has confirmed there will be no changes to the collection days or material accepted in the Blue Box in 2025. As of January 1, 2025, residents are to contact Emterra Environmental with Blue Box inquiries and complaints. Details of the changes have been posted on the County Website, social media, Annual Calendar, Recycle Coach App and advertised in local newspapers.

Solid Waste Control By-law 146-17 requires amendments due to the transition of the blue box program and some housekeeping items. A summary of the By-law changes is outlined below and can be found in Attachment 1.

- Removal of sections referring to curbside recycling collection services provided by the County
- Clarifying eligibility (which includes only single residential properties/units who receive curbside collection at the frontage of their property/unit, excluding multi-residential stops with common collection points) and set out requirements to participate in the Appliance and Furniture Waste Collection Program
- Details added for placement of waste containers during time of snow accumulation:
 - Urban Areas – nearest cleared driveway (clause 4bb)
 - Rural Areas – plowed shoulder (clause 4cc)
- “Collection Point” updated to note collection point must be safety accessible by Contractor
- Clarifying that only waste material can be placed in a waste material container
- Updates to “Responsibility for Enforcement” and “Penalty” sections to reflect current practices

2. Joint Household Hazardous Waste Events with the City of Brantford

As approved by report RPT-0109-24 the General Manager of Operations was successful in entering into a mutually beneficial and equitable agreement with the City of Brantford to offer joint Household Hazardous Waste events. Two (2) joint events were held in 2024 (October and November) and eight (8) events are scheduled for 2025 (one (1) per month from April to November). The agreement will be reviewed annually and extended upon acceptance by both parties.

With the establishment of multiple Joint Household Hazardous Waste Events, the County recommends that non-refillable and refillable pressurized containers (e.g. propane tanks) will no longer be accepted at the County Solid Waste Facilities due to their potential danger commencing January 1, 2025. This change was approved by report RPT-22-66 which noted that after the drop-off locations are locally available these containers will no longer be accepted at the County Solid Waste Facilities (Biggars Lane Landfill and Paris Transfer Station). This update will be reflected in the Solid Waste Control By-law 146-17.

3) Biggars Lane Landfill Expansion

Construction of the Biggars Lane Landfill Expansion began in 2024. Cell 1 of 11 was pre-graded in 2024 and will be completed in 2025 with an impermeable base liner and leachate collection system. Cell 1 is anticipated to begin receiving waste when the existing landfill reaches capacity in fall 2025. Cell 1 is estimated to provide capacity for three (3) years of landfilling with the overall landfill (all 11 cells) providing approximately 30 years of capacity.

A landfill gas collection system will be required to be installed in approximately 11 years to manage methane gas generation. The landfill gas collection system is installed by excavating through the landfill waste and installing gas collection trenches and wells. Landfilled asbestos poses a significant risk when installing a landfill gas collection system. If accepted in the new Landfill Expansion Area staff would be required to track the volumes and location of asbestos that are landfilled to mitigate the future risk. Due to the limited quantity of asbestos received at the Landfill, which is typically from commercial waste management businesses, and the significant cost to track the volumes and locations of asbestos disposed it was noted with the 2025 Fees and Charges update that asbestos not be accepted for disposal in the new Landfill Expansion Area.

A leachate offloading station is also being constructed at the Paris Water Pollution Control Plant (WPCP) to support the operation of the Biggars Lane Landfill Expansion. The leachate offloading station will receive leachate from 45 cubic meter transport tankers and is equipped with odour control devices. It is estimated that 125 truckloads of leachate will be required to be hauled in the first year of the landfill expansion with additional haulage required as new cells are constructed. It is anticipated that a typical haulage day will consist of three (3) loads being hauled approximately 42 days in a calendar year. It is important to note that the generation of leachate and associated haulage is weather dependent. Precipitation and snow melt will increase the volume and frequency of leachate hauled.

Summary and Recommendations

Upcoming changes to the County waste management system require changes to the County Bylaw. Staff recommend that Bylaw 146-17 be repealed and replaced by the Draft Bylaw enclosed as Attachment 1 at the December 17, 2024, Council meeting.

Attachments

Updated Solid Waste Control Bylaw XX-24

Reviewed By

1. A. Bazzard, Director of Environmental Services
2. R. Walton, General Manager of Operations

Copied To

1. G. Bergeron, Director of Enforcement and Regulatory Services

By-law and/or Agreement

By-law Required	Yes
Agreement(s) or other documents to be signed by Mayor and /or Clerk	No