



November 3, 2016

Kathleen Hedley, Director,
Environmental Approvals Branch
Ministry of the Environment and Climate Change
135 St. Clair Avenue West, Floor 1
Toronto, ON M4V 1P5

and

Tina Dufresne, Director (Acting), Central Region
Ministry of the Environment and Climate Change
Place Nouveau
5775 Yonge Street, Floor 8
Toronto, ON M2M 4J1

Dear Ms. Hedley and Ms. Dufresne:

**The Regional
Municipality of
Durham**

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Susan Siopis, P.Eng.
Commissioner of Works

**RE: Durham/York Energy from Waste Project
Submission of the Regional Municipality of Durham's Waste
Diversion Program Monitoring Report for 2016
Environmental Assessment Condition of Approval #10
MOECC File #: EA-08-02**

In accordance with Condition 10 of the Environmental Assessment (EA), the Regional Municipality of Durham (Region) submits the Annual Waste Diversion Report titled Annual Report 2015 Waste Management Division for the activities and progress towards diversion during the 2015 year.

The enclosed *Annual Report Waste Management Annual Report 2015* summarizes the results of the at-source diversion programs on page 40. This table illustrates an overall waste diversion rate of 52 per cent for the Region. It must be noted that, while the waste reported in this table derives a 52 per cent diversions rate, Waste Diversion Ontario, the agency which officially tracks and reports on municipal waste diversion rates in Ontario, adjusts municipally reported waste tonnages to account for deposit return, home composting, grass cycling and other re-use activities across Ontario. In 2015, these adjustments increased Durham's overall waste diversion rate to 55 per cent.

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for our Communities"*

If this information is required in an accessible format, please contact
1-800-372-1102 extension 3560.

Highlights of the 2015 year include the following:

In 2015, Durham Region launched a dedicated waste management application for smartphones and androids. The application provides residents with instant, mobile, customized access to information about waste collection. Users can access personalized collection day calendar, set up reminder alerts, learn how to properly dispose of household waste, and even report collection issues.

Durham Region also reached a milestone with the biannual Curbside Battery Collection Program. One hundred metric tonnes of batteries have been saved from the waste stream-recovering metal components and keeping mercury, cadmium and other harmful materials from entering the environment.

2015 marked a big achievement for Durham Waste Management as we reached a goal, managing Durham's own waste via an energy from waste facility, outlined in our Long term Waste Management Strategy Plan. Durham York Energy Centre (DYEC) reached commercial operations and began accepting waste on February 9, 2015. Both Durham and York are committed to delivering a world-class facility which will be a safe and reliable disposal option that contributes to a significantly cleaner environment when compared to landfill disposal. In 2015, 110,498 tonnes of waste was collected in Durham, of which, 79,068 tonnes were sent to the DYEC for processing. The amount of garbage and ash landfilled in 2015 for Durham was approximately 54,142 tonnes (31,430 tonnes landfilled garbage and 22,712 tonnes landfilled as daily cover after processing at the DYEC). Processing waste at the DYEC reduces the amount of waste/ash landfilled in Durham by approximately 30 per cent.

Additionally, although not accounted for in the diversion rate for 2015, metals recovered for recycling after processing at the DYEC, amounted to 2,582 tonnes. Durham's share of the recovered metals amount to 2,026 tonnes (78.6 per cent share). Ash removed from the DYEC and used as daily landfill cover in 2015 amounts to 28,896 tonnes. Durham's share of the ash generated amounts to 22,712 tonnes (78.6 per cent). With diversion in mind, metals are recovered and recycled at DYEC, and ash generated is beneficially used as alternate daily cover for landfill, reducing the need to haul in soil and aggregate material to

use a daily covering material. Should metal recovery and beneficial use of ash be considered diversion material, the Region's diversion rate could be 63 per cent for 2015.

In accordance with EA Condition 8.8 (e), the Region will submit the subject report to the Energy from Waste Advisory Committee for information concurrently. In addition, the 2015 annual report has been posted on the [project website \(www.durhamyorkwaste.ca\)](http://www.durhamyorkwaste.ca) and [public website \(www.durham.ca/waste\)](http://www.durham.ca/waste).

We trust that this report meets the Ministry of the Environment and Climate Change's (MOECC) expectation as outlined in the EA Notice of Approval.

If you require any further information, please contact the undersigned.

Sincerely,

Mirka Januszkiewicz, P.Eng., MAsC., MBA
Director, Waste Management Services

- c. L. McDowell, Director, Environmental Promotion and Protection, The Regional Municipality of York
- C. Dugas, Manager, York Durham District Office, MOECC
- P. Martin, Supervisor (Acting), Air, Pesticides, and Environmental Planning, MOECC
- E. O'Leary, Environmental Resource Planner and Environmental Assessment Coordinator, Air, Pesticides, and Environmental Planning, MOECC
- S. Thomas, Issues Project Coordinator, York Durham District Office, MOECC
- P. Dunn, Senior Environmental Officer, York Durham District Office, MOECC
- G. Battarino, Project Officer, Project Coordination, MOECC Energy from Waste Advisory Committee (EFWAC)
- D. Kelly, Regional Clerk, The Regional Municipality of York
- D. Wilcox, Regional Clerk, The Regional Municipality of Durham