



Regional Municipality of Durham
Regional Municipality of York

Durham York Energy Centre 2025 Compliance Monitoring Report

EAAB File No.: EA-08-02
Condition 5

Date: November 3, 2025

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1.0 Introduction

1.1 Purpose

The *Durham York Energy Centre 2025 Compliance Monitoring Report* has been prepared in accordance with Condition 5.3 of the Notice of Approval to Proceed with the Undertaking for the Durham and York Residual Waste Study (Ministry of Environment Conservation and Parks, EAB File Number EA-08-02). Annual compliance reports are based on a reporting period ending November 3rd of each year, corresponding to the anniversary date of the Notice of Approval. This annual compliance report covers the period from November 3, 2024 to November 2, 2025.

Annual compliance monitoring reports follow the reporting structure established in the *Durham York Energy Centre Compliance Monitoring Program* submitted to the EAB Director on October 14, 2011 in accordance with Condition 4.1 of the Notice of Approval. As outlined in the Compliance Monitoring Program, the Annual Report consists of the following three parts.

Appendix A	EA Notice of Approval Compliance Table	Documents the proponent's progress on requirements of EA Notice of Approval
Appendix B	EA Study Document Compliance Table	Documents the proponent's progress on commitments made in the EA study document
Appendix C	Advisory Committee Annual Report	Provides a report on activities of the Advisory Committee during the reporting period as required by Condition 8.2 of the Notice of Approval

1.2 Background

The Durham York Energy Centre is an energy from waste facility located in the Municipality of Clarington, Ontario. The facility began receiving waste on February 9, 2015. Commissioning was completed in the fall of 2015, followed by Acceptance testing which led to commercial operations starting on January 28, 2016. Owned by the Regional Municipality of Durham and the Regional Municipality of York ("the Regions"), the facility processes up to 140,000 tonnes of solid, non-hazardous, municipal solid waste per year. Heat generated by waste combustion is used to generate electricity and steam. Recyclable metals (ferrous and non-ferrous) are also recovered from the ash. The facility is designed, built, and operated by Reworld Durham York Limited Partnership. The facility was approved under the *Environmental Assessment Act* by the Minister of the Environment and the Lieutenant Governor in Council on November 3, 2010. A multi-media Environmental Compliance Approval for waste, air and noise, and stormwater was issued on June 28, 2011 (#7306-8FDKNX). Facility construction commenced in January 2012 and full commercial operations commenced in January 2016 with the issuance of the Facility Acceptance Test certificate.

Appendix A

EA Notice of Approval Compliance Table

Durham York Energy Centre 2025 Compliance Monitoring Report – Appendix A
EA Notice of Approval Compliance Table
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Condition No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
1.	Definitions			
	N/A	N/A	N/A	N/A
2.	General Requirements			
2.1	The proponent shall comply with the provisions in the environmental assessment which are hereby incorporated in this Notice of Approval by reference except as provided in these conditions and as provided in any other approval or permit that may be issued for the site or the undertaking.	<ul style="list-style-type: none"> • Commitments in the EA are carried forward in the Environmental Compliance Approval. 	Carried into the ECA	Yes
2.2	These conditions do not prevent more restrictive conditions being imposed under other statutes.	<ul style="list-style-type: none"> • Agreed 	N/A	Yes
2.3	A statement must accompany the submission of any documents, reporting requirements or written notices required by this Notice of Approval to be submitted to the Director or Regional Director identifying which conditions the submission is intended to address in this Notice of Approval.	<ul style="list-style-type: none"> • Submissions under the EA have included identification of each Condition being satisfied. 	N/A	Yes
3.	Public Record			
3.1	Where a document, plan or report is required to be submitted to the ministry, the proponent shall provide two copies of the final document, plan or report to the Director: a copy for filing in the specific public record file maintained for the undertaking and a copy for staff use.	<ul style="list-style-type: none"> • Required by Condition 16 (1) of the Environmental Compliance Approval 	Carried into the ECA	Yes
3.2	The proponent shall provide additional copies of the documents required for the public record file to the following for access by the public: <ol style="list-style-type: none"> a) Regional Director; b) District Manager; c) Clerks of the Regional Municipality of Durham, the Regional Municipality of York, and the Municipality of Clarington; and, d) Advisory Committee (as required in Condition 8 of this Notice of Approval). 	<ul style="list-style-type: none"> • Ongoing 	Carried into the ECA	Yes
3.3	The EAAB file number EA-08-02 shall be quoted on all documents submitted by the proponent pursuant to this Condition.	<ul style="list-style-type: none"> • Ongoing 	N/A	Yes
4.	Compliance Monitoring Program			
4.1	The proponent shall prepare and submit to the Director a Compliance Monitoring Program outlining how it will comply with conditions in the Notice of Approval and other commitments made in the environmental assessment	<ul style="list-style-type: none"> • The Compliance Monitoring Program was submitted to the Director and Advisory Committee via letter dated October 14, 2011. 	October 2011	Yes

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EA Notice of Approval Compliance Table
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Condition No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
4.2	A statement shall accompany the submission of the Compliance Monitoring Program indicating that the submission is intended to fulfil Condition 4 of this Notice of Approval.	<ul style="list-style-type: none"> See Section 1.1 of the Compliance Monitoring Program. 	October 2011	Yes
4.3	The Compliance Monitoring Program shall be submitted within one year from the date of approval, or a minimum of 60 days prior to the start of construction, whichever is earlier.	<ul style="list-style-type: none"> The Compliance Monitoring Program was submitted on October 14, 2011. This was within one year of the November 3, 2010, approval date. The October 14, 2011, submission date was more than 60 days prior to the start of construction in January 2012. 	October 2011	Yes
4.4	The Compliance Monitoring Program shall describe how the proponent will monitor its fulfilment of the provisions of the environmental assessment pertaining to the mitigation measures, public consultation, and additional studies and work to be carried out; the fulfilment of all other commitments made by the proponent during the environmental assessment process; and the conditions included in this Notice of Approval.	<ul style="list-style-type: none"> Progress will be tracked on the compliance tables provided in Appendix A and Appendix B. 	October 2011	Yes
4.5	The Compliance Monitoring Program shall contain an implementation schedule.	<ul style="list-style-type: none"> Agreed 	October 2011	Yes
4.6	The Director may require amendments to the Compliance Monitoring Program, including the implementation schedule. If any amendments are required by the Director, the Director will notify the proponent of the required amendments in writing.	<ul style="list-style-type: none"> Agreed 	N/A	Yes
4.7	The proponent shall implement the Compliance Monitoring Program, as it may be amended by the Director.	<ul style="list-style-type: none"> Agreed 	N/A	Yes
4.8	The proponent shall make the documentation pertaining to the Compliance Monitoring Program available to the ministry or its designate in a timely manner when requested to do so by the ministry.	<ul style="list-style-type: none"> Required by Condition 14 (1) of the Environmental Compliance Approval 	N/A	Yes
5.	Compliance Reporting			
5.1	The proponent shall prepare an annual Compliance Report which describes its compliance with the conditions of approval set out in this Notice of Approval and which describes the results of the proponent's environmental assessment Compliance Monitoring Program required by Condition 4.	<ul style="list-style-type: none"> This annual compliance report covers the period from November 3, 2024 to November 2, 2025. 	November 3, 2011, and annually thereafter until all EA conditions are met.	Yes
5.2	The annual Compliance Report shall be submitted to the Director within one year from the date of approval, with the first report being due in 2011, and shall cover all activities of the previous 12-month period.	<ul style="list-style-type: none"> Compliance Monitoring Reports have been submitted annually since 2011. 	November 3, 2011	Yes
5.3	Subsequent compliance reports shall be submitted to the Director on or before the anniversary of the date of approval each year thereafter. Each	<ul style="list-style-type: none"> Compliance Monitoring Reports have been submitted annually since 2011. 	November 3, 2011, and annually thereafter	Yes

Durham York Energy Centre 2025 Compliance Monitoring Report – Appendix A
EA Notice of Approval Compliance Table
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Condition No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
	Compliance Report shall cover all activities of the previous 12-month period.			
5.4	The proponent shall submit annual Compliance Reports until all conditions in this Notice of Approval and the commitments in the environmental assessment are satisfied.	<ul style="list-style-type: none"> Agreed 	November 2025	Ongoing
5.5	Once all conditions in this Notice of Approval have been satisfied, or have been incorporated into any other ministry approval, the proponent shall indicate in its annual Compliance Report that the Compliance Report is its final Compliance Report and that all conditions in this Notice of Approval have been satisfied.	<ul style="list-style-type: none"> Agreed 	November 2026	No
5.6	The proponent shall retain either on site or in another location approved by the Director, a copy of each of the annual Compliance Reports and any associated documentation of compliance monitoring activities.	<ul style="list-style-type: none"> Reports to be retained on site. See Section 1.3 of the Compliance Monitoring Program. Required by Condition 14(2) of the Environmental Compliance Approval. 	Carried into the ECA	Yes
5.7	The proponent shall make the Compliance Reports and associated documentation available to the ministry or its designate in a timely manner when requested to do so by the ministry.	<ul style="list-style-type: none"> Agreed Required by Condition 14(1) of the Environmental Compliance Approval. 	Carried into the ECA	Yes
6.	Complaint Protocol			
6.1	The proponent shall prepare and implement a Complaint Protocol setting out how it will deal with and respond to inquiries and complaints received during the design, construction and operation of the undertaking.	<ul style="list-style-type: none"> Protocol submitted to the Director via letter dated March 10, 2011. Director requested minor modifications to protocol in letter dated March 25, 2011. Revised protocol approved by the Director via letter dated July 13, 2011. 	March 10, 2011	Yes
6.2	The Complaint Protocol shall be provided to the advisory committee for review prior to submission to the Director.	<ul style="list-style-type: none"> Protocol was reviewed by the Advisory Committee on January 20, 2011, and revised based on comments received by January 31, 2011. 	January 20, 2011	Yes
6.3	The proponent shall submit the Complaint Protocol to the Director within one year from the date of approval or a minimum of 60 days prior to the start of construction, whichever is earlier.	<ul style="list-style-type: none"> Protocol was submitted within one year of the November 3, 2010, date of approval. March 10, 2011, submission date was more than 60 days prior to the start of construction in January 2012. 	March 10, 2011	Yes
6.4	The Director may require the proponent to amend the Complaint Protocol at any time. Should an amendment be required, the Director will notify the proponent in writing of the required amendment and date by which the amendment must be completed.	<ul style="list-style-type: none"> Complaint Procedure is required by Condition 10 of the ECA. 	N/A	Yes
6.5	The proponent shall submit the amended Complaint Protocol to the Director within the time period specified by the Director in the notice.	<ul style="list-style-type: none"> Complaint Procedure is required by Condition 10 of the ECA. 	N/A	Yes

Condition No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
7.	Community Involvement			
7.1	The proponent shall prepare and implement a Community Communications Plan. The plan shall be prepared in consultation with the EAAB and to the satisfaction of the Director.	<ul style="list-style-type: none"> • Regions submitted a final plan via letter dated September 18, 2013. This plan was submitted prior to receipt of waste. • The Community Communications Plan was approved by the Director via letter dated September 30, 2013. 	September 18, 2013	Yes
7.2	The proponent shall finalize and submit the Community Communications Plan to the Director prior to the initial receipt of non-hazardous municipal solid waste at the site.	<ul style="list-style-type: none"> • Regions submitted a final plan via letter dated September 18, 2013. This plan was submitted prior to receipt of waste. 	September 18, 2013.	Yes
7.3	<p>The Community Communications Plan shall include at a minimum details on:</p> <p>a) How the proponent plans to disseminate information to interested members of the public and any Aboriginal communities;</p> <p>b) How interested members of the public and any Aboriginal communities will be notified and kept informed about site operations; and,</p> <p>c) The procedures for keeping interested members of the public and Aboriginal communities informed about information on documents related to the undertaking, and when and how the information will be made available.</p>	<ul style="list-style-type: none"> • Completed. 	September 18, 2013.	Yes
7.4	<p>The proponent shall give notice of and provide information about the undertaking to interested members of the public and Aboriginal communities through an internet web site and by other means. Such information shall include:</p> <p>a) Activities that are part of the undertaking, including monitoring activities;</p> <p>b) Reports and records related to the undertaking that are required to be submitted under this Notice of Approval or under any other ministry approvals that apply to the undertaking; and,</p> <p>c) Information on the Complaint Protocol required by Condition 6 of this Notice of Approval.</p>	<ul style="list-style-type: none"> • Web site is currently operational. • Documents posted on the website currently include, but are not limited to, the Complaint Protocol, Environmental Compliance Approval, Archived EA documentation, Groundwater and Surface Water Monitoring Plan, Soil Monitoring Plan, Ambient Air Monitoring Plan, Emissions Monitoring Plan, Noise Monitoring Plan, Odour Management and Mitigation Plan, Compliance Monitoring Plan, Community Communications Plan, Waste Diversion Program Monitoring Plan, Third Party Audit Plan, Spill Contingency and Emergency Response Plan, Advisory Committee advertisements, agendas, and minutes, and annual monitoring reports prepared in accordance with the approved monitoring plans. • Additional information will be posted to the website as it becomes available. • Required by ECA Condition 16: Public Access to Documentation. 	Carried into the ECA	Yes
7.5	<p>The proponent shall hold public meetings to discuss the design, construction and operation of the undertaking, including, but not limited to:</p> <p>a) At least one meeting prior to the start of construction;</p>	<ul style="list-style-type: none"> • Pre-construction public meeting was held at the Durham Regional Offices on December 7, 2011, from 5:00 pm to 6:30 pm. 	December 2011 June 2014 February 2016	Yes

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	<p>b) At least one meeting prior to the receipt of non-hazardous municipal solid waste on site; and,</p> <p>c) At least one meeting a minimum of six months but not later than 12 months after the initial receipt of non-hazardous municipal solid waste on the site.</p>	<ul style="list-style-type: none"> Public meeting prior to receipt of waste was held in Clarington on June 25, 2014, from 5:00 pm to 8:00 pm. Public meeting within 12 months of first receipt of waste was held at the Durham York Energy Centre on February 4th, 2016, from 5:00 to 8:00 pm. 		
7.6	The proponent shall provide notice of the public meetings a minimum of 15 days prior to the meeting.	<ul style="list-style-type: none"> Meeting notices for the December 2011 pre-construction meeting were advertised in local newspapers during the week of November 14, 2011, and posted on the project website. Meeting notices for the June 2014 prior to receipt of waste meeting were advertised in local newspapers from May 28 through June 5, 2014. Meeting notices for the February 2016 meeting were advertised in local papers from January 20th to February 3rd, 2016. 	<p>November 2011</p> <p>June 2014</p> <p>January 2016</p>	Yes
7.7	The proponent shall give the Director written notice of the time, date and location of each of the required community meetings a minimum of 15 days prior to the meeting.	<ul style="list-style-type: none"> The MECP Environmental Approvals Branch and District Office received an invitation to the December 7, 2011, pre-construction meeting on November 18, 2011. The MECP Environmental Approvals Branch District and Central Offices received an invitation to the June 25, 2014, prior to waste meeting on June 3, 2014. The MECP Environmental Approvals Branch District and Central Offices received an invitation to the February 4th, 2016, meeting via letter dated January 18, 2016. 	<p>November 2011</p> <p>June 2014</p> <p>January 2016</p>	Yes
8.	Advisory Committee			
8.1	The proponent shall establish an advisory committee to ensure that concerns about the design, construction and operation of the undertaking are considered and mitigation measures are implemented where appropriate.	<ul style="list-style-type: none"> Complete Required by ECA Condition 17: Advisory Committee. 	<p>January 20, 2011</p> <p>Carried into the ECA</p>	Yes
8.2	<p>The proponent shall provide administrative support for the advisory committee including, at a minimum:</p> <p>a) Providing a meeting space for advisory committee meetings;</p> <p>b) Recording and distributing minutes of each meeting;</p> <p>c) Preparing and distributing meeting notices; and,</p> <p>d) Preparing an annual report about the advisory committee's activities to be submitted as part of the Compliance Reports required by Condition 5 of this Notice of Approval.</p>	<ul style="list-style-type: none"> Meeting minutes and related correspondence are posted on the project website. Annual report on advisory committee activities is included as Appendix C of this report. Required by ECA Condition 17, and the Energy from Waste Advisory Committee (EFWAC) approved Terms of Reference. 	N/A	Yes

Condition No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
8.3	The proponent shall invite one representative from each of the following to participate on the advisory committee: a) Each of the lower tier municipalities in the Regional Municipality of Durham; and, b) Each of the lower tier municipalities in the Regional Municipality of York.	<ul style="list-style-type: none"> Letters of invitation dated December 15, 2010, were sent to all listed municipalities. 	December 15, 2010	Yes
8.4	The proponent shall invite one representative from Central Lake Ontario Conservation Authority, and any other local conservation authorities that may have an interest in the undertaking to participate on the advisory committee.	<ul style="list-style-type: none"> Letter of invitation dated December 15, 2010, was sent to Central Lake Ontario Conservation Authority. 	December 15, 2010	Yes
8.5	The proponent shall invite one representative from each of the following local community groups to participate on the advisory committee: a) DurhamCLEAR; b) Durham Environmental Watch c) Zero Waste 4 Zero Burning	<ul style="list-style-type: none"> Letters of invitation dated December 15, 2010 were sent to all listed local community groups. 	December 15, 2010	Yes
8.6	The proponent may also invite other stakeholders to participate in the advisory committee, including but not limited to, interested members of the public, Aboriginal communities, and other federal or provincial agencies.	<ul style="list-style-type: none"> Letters of invitation dated December 15, 2010, were sent to Durham Region Health Department and York Region Public Health Services. Aboriginal communities received separate invitation to participate in other consultation activities. See Condition 9.1 	December 15, 2010	Yes
8.7	A representative from the ministry shall be invited to attend meetings as an observer.	<ul style="list-style-type: none"> Letters of invitation dated December 15, 2010, were sent to MECPP District Manager. 	December 15, 2010	Yes
8.8	The advisory committee shall be provided with a copy of the documents listed below for information and may review the documents as appropriate and provide comments to the proponent about the documents, including the: a) Compliance Monitoring Program required by Condition 4; b) Annual Compliance Report required by Condition 5; c) Complaint Protocol required by Condition 6; d) Community Communications Plan required by Condition 7; e) The annual reports required by Condition 10; f) Ambient Air Monitoring and Reporting Plan and the results of the ambient air monitoring program required by Condition 11; g) Air Emissions Monitoring Plan required by Condition 12; h) Written report prepared and signed by the qualified professional required by Condition 16.5; i) Spill Contingency and Emergency Response Plan required by Condition 17;	<ul style="list-style-type: none"> Advisory Committee has reviewed and provided comments where applicable to the following documents: Advisory Committee Terms of Reference Compliance Monitoring Plan 2011-2025 Annual Compliance Reports Complaint Protocol Community Communications Plan 2010 to 2024 Annual Waste Diversion Reports Ambient Air Quality Monitoring Plan 2013 to 2025 Ambient Air Quarterly and Annual reports Air Emissions Monitoring and Reporting Plan Third Party Auditor's Reports prepared by a qualified professional as required by Condition 16.5 Spill Contingency and Emergency Response Plan Odour Management and Mitigation Plan 	Carried into the ECA	Yes

Condition No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
	j) Odour Management and Mitigation Plan and the Odour Management and Mitigation Monitoring Reports required by Condition 18; k) Noise Monitoring and Reporting Plan as required by Condition 19; l) Groundwater and Surface Water Monitoring Plan, the results of the groundwater and surface water monitoring program, and the annual report on the results of the groundwater and surface water monitoring program required by Condition 20; and, m) Notice in writing of the date that municipal solid waste is first received as required by Condition 23.	<ul style="list-style-type: none"> • Noise Monitoring and Reporting Plan • Groundwater and Surface Water Monitoring Plan • 2012 to 2024 Annual Groundwater and Surface Water reports covering the previous year activities • Soil Testing Plan • Details of first receipt of waste and fire were brought to EFWAC via EFWAC meeting held on April 9th, 2015. • Notice to the Ministry of First receipt of waste is on the project website. • The following documents are to be provided as they are prepared: • Future third party auditor's reports, waste diversion reports, environmental monitoring reports, compliance monitoring reports, and the annual facility operations report as required by Condition 15(1) of the Environmental Compliance Approval. • Items listed are built in to the approved EFWAC Terms of Reference. 		
8.9	The proponent shall hold the first advisory committee meeting within three months of the date of approval. At the first meeting, the advisory committee shall develop a Terms of Reference outlining the governance and function of the advisory committee.	<ul style="list-style-type: none"> • First meeting held January 20, 2011 was within three months of November 3, 2010, date of approval. • Draft Terms of Reference were reviewed by the Committee and revised based on comments received both at the meeting or submitted in writing by February 14, 2011. 	January 20, 2011	Yes
8.10	The Terms of Reference shall, at minimum, include: a) Roles and responsibilities of the advisory committee members; b) Frequency of meetings; c) Member code of conduct; d) Protocol for dissemination and review of information including timing; and, e) Protocol for dissolution of the advisory committee.	<ul style="list-style-type: none"> • Terms of Reference submitted to MECP via letter dated February 18, 2011. • Terms of Reference approved via letter from the Director dated March 4, 2011. 	February 18, 2011	Yes
8.11	The proponent shall submit the advisory committee's Terms of Reference to the Director and Regional Director.	<ul style="list-style-type: none"> • Terms of Reference submitted to MECP via letter dated February 18, 2011. • Terms of Reference approved via letter from the Director dated March 4, 2011. 	February 18, 2011	Yes

Condition No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
9.	Consultation With Aboriginal Communities			
9.1	The proponent shall continue to consult with any interested Aboriginal communities during the detailed design and implementation of the undertaking.	<ul style="list-style-type: none"> Letters dated March 14, 2011, were sent to 22 Aboriginal communities inviting them to meet with the project team to discuss future consultation efforts. Letters dated October 26, 2012, to Aboriginal Communities identified in the EA to advise of project updates and the project website as a resource for continuous updates. The MECP EAB Director, Regional Director, and Approvals Program Director were copied on all correspondence to Aboriginal Communities. 	Ongoing	Yes
10.	Waste Diversion			
10.1	The proponent shall make a reasonable effort to work cooperatively with all lower tier municipalities to ensure that waste diversion programs, policies and targets set by the Regional Municipalities are being met.	<ul style="list-style-type: none"> Both Regions continue to work with local municipalities to improve waste diversion and report waste diversion statistics to the Resource Productivity and Recovery Authority annually. Both Regions have long term waste management and diversion plans in place. 	Ongoing	Yes
10.2	The proponent shall prepare and implement a Waste Diversion Program Monitoring Plan.	<ul style="list-style-type: none"> Waste Diversion Program Monitoring Plans for Durham Region and York Region were submitted to the EAB Director and Regional Director on October 21, 2011. The EAB Director approved the Waste Diversion Program Monitoring Plans via letter dated November 25, 2011. 	October 21, 2011	Yes
10.3	<p>The Waste Diversion Program Monitoring Plan shall provide a description of monitoring and reporting which shall at minimum include:</p> <p>a) Results of at source diversion programs and policies to determine the waste diversion rates and practices at both the regional and lower tier municipal level within the Regional Municipalities of Durham and York.</p> <p>b) Progress in the diversion programs, policies, practices and targets described in the environmental assessment, at both the regional and lower tier municipal level within the Regional Municipalities of Durham and York.</p> <p>c) Monitoring results for any additional diversion programs, policies, practices and targets carried out within the Regional Municipalities of Durham and York, which are not described in the environmental assessment.</p>	<ul style="list-style-type: none"> Completed 	October 21, 2011	Yes
10.4	The proponent shall prepare and submit to the Director and Regional Director, commencing one year after the approval of the undertaking,	<ul style="list-style-type: none"> 2024 annual monitoring report will be submitted to the Director and Regional Director by November 3, 2025. 	Ongoing	Yes

Condition No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
	annual reports detailing the results of the Waste Diversion Program Monitoring Plan.	<ul style="list-style-type: none"> Future monitoring reports to be submitted by November 3rd of each successive year. 		
10.5	The proponent shall post the Waste Diversion Program Monitoring Plan and the annual reports required on the proponent's web site for the undertaking.	<ul style="list-style-type: none"> The Waste Diversion Monitoring Plan and annual reports for Durham and York Regions are posted on the project website. 	Ongoing	Yes
11.	Ambient Air Monitoring and Reporting			
11.1	The proponent shall prepare, in consultation with the ministry's Central Region Office and to the satisfaction of the Regional Director, an Ambient Air Monitoring and Reporting Plan for the undertaking.	<ul style="list-style-type: none"> Final Plan submitted to the Regional Director August 31, 2011. Consultation activities described under Condition 11.3. MECP Approval via letter dated May 30, 2012. MECP Approval of monitoring locations via letter dated June 5, 2012. 	August 31, 2011	Yes
11.2	The proponent shall submit the Ambient Air Monitoring and Reporting Plan to the Director and Regional Director a minimum of nine months prior to the start of construction or by such other date as agreed to in writing by the Regional Director.	<ul style="list-style-type: none"> Submission deadline revised to August 31, 2011, via letter from the Director dated June 30, 2011. Submitted August 31, 2011 	August 31, 2011	Yes
11.3	The proponent shall establish a working group that will provide advice on the development of the Ambient Air Monitoring and Reporting Plan. The Regions will, at a minimum, extend an invitation to Health Canada, the Durham Region Health Department, York Region Public Health Services, one participant from the advisory committee, and any other relevant federal or provincial government agencies including the ministry.	<ul style="list-style-type: none"> Letters of invitation dated March 16, 2011, were sent to all listed working group participants with copies to the Director and Regional Director. Two participants were appointed by the Advisory Committee. Health Canada declined to participate. At Health Canada's suggestion, a representative from the Ontario Ministry of Health participated instead. First working group meeting occurred on April 28, 2011. Monitoring plan was revised based on comments received from the working group and circulated for comments to the MECP Central Region Office, the Ambient Air Monitoring Working Group, and the Advisory Committee on July 7, 2011. The monitoring plan was revised based on comments received by August 15, 2011. The Final Monitoring Plan was submitted to the Regional Director on August 31, 2011. 	March 16, 2011	Yes
11.4	The Ambient Air Monitoring and Reporting Plan shall include at minimum: a) An ambient air monitoring program which includes an appropriate number of sampling locations. Siting of the sampling locations shall be done in accordance with the Ministry of the Environment's Operations Manual for Air Quality Monitoring in Ontario, March 2008, as amended from time to time;	<ul style="list-style-type: none"> The submitted document meets these requirements. The Regions and the MECP are scheduled to meet to discuss the 2024 annual report on December 16, 2025 	May 30, 2012	Yes

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	b) The proposed start date for and frequency of the ambient air monitoring and reporting to be carried out; c) The contaminants that shall be monitored as part of the Ambient Air Monitoring and Reporting Plan; and, d) At least one meeting on an annual basis between the proponent and the Regional Director to discuss the plan, the results of the ambient air monitoring program and any changes that are required to be made to the plan by the Regional Director.			
11.5	The proponent shall implement the ambient air monitoring program prior to the receipt of non-hazardous municipal solid waste on the site or at such other time that may be determined by the Regional Director and communicated to the proponent in writing and shall continue the monitoring until such time as the Regional Director notifies the proponent in writing that the Ambient Air Monitoring Program is no longer required.	<ul style="list-style-type: none"> • Agreed • Submitted plan includes monitoring of ambient air for one year prior to facility commissioning to establish background concentrations. • Ambient Air monitoring commenced in April 2013. 	April 2013	Yes
11.6	The Regional Director may require changes to be made to the Ambient Air Monitoring and Report Plan and the proponents shall implement the plan in accordance with the required changes.	<ul style="list-style-type: none"> • Addressing revisions required by the MECP to the Plan are included in the Ambient Air Monitoring and Reporting Plan. • The implementation and reporting of Ambient Air Monitoring is a requirement of ECA Condition 7(4) 	Carried into the ECA	Yes
11.7	The proponent shall report the results of the ambient air monitoring program to the Regional Director in accordance with the Ambient Air Monitoring and Reporting Plan.	<ul style="list-style-type: none"> • Agreed • In accordance with ECA Condition 7(4)(c) ambient air results will be posted to the website upon submission to the MECP Regional Director. • Quarterly Reports and annual Ambient Air Monitoring Reports have been posted to the project website. • The implementation and reporting of Ambient Air Monitoring is a requirement of ECA Condition 7(4). 	Carried into the ECA	Yes
11.8	Audits will be conducted by the ministry, as outlined in the Ministry of the Environment's Audit Manual for Air Quality Monitoring in Ontario, March 2008 to confirm that siting and performance criteria outlined in the Operations Manual are met. The proponent shall implement any recommendations set out in the audit report regarding siting of the sampling locations and performance criteria. The proponent shall implement the recommendations in the audit report within three months of the receipt of an audit report from the ministry.	<ul style="list-style-type: none"> • The monitoring program was written with reference to the MECP Audit Manual. The MECP, Central Region, Technical Support Section conducts performance and site audits of the ambient air monitoring stations regularly. • The implementation and reporting of Ambient Air Monitoring is a requirement of ECA Condition 7(4). 	Carried into the ECA	Yes
11.9	The proponent shall post the Ambient Air Monitoring and Reporting Plan and the results of the ambient air monitoring program on the proponent's web site for the undertaking upon submission of the plan or results of the program to the ministry.	<ul style="list-style-type: none"> • The Ambient Air Monitoring and Reporting Plan has been posted on the website. • Ambient Air Monitoring Reports will be posted to the website as they are completed. 	Carried into the ECA	Yes

Condition No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
		<ul style="list-style-type: none"> The implementation and reporting of Ambient Air Monitoring is a requirement of ECA Condition 7(4) 		
12.	Emissions Monitoring			
12.1	The proponent shall install, operate and maintain air emissions monitoring systems that will record the concentrations of the contaminants arising from the incineration of waste.	<ul style="list-style-type: none"> Requirement of Environmental Compliance Approval Condition 7(2). 	Carried into the ECA	Yes
12.2	The air emissions monitoring systems shall be installed and operational prior to the receipt of non-hazardous municipal solid waste at the site.	<ul style="list-style-type: none"> Requirement of Environmental Compliance Approval Condition 7(2). First receipt of waste occurred on February 9, 2015 Continuous emissions monitoring system was installed and operational prior to first receipt of waste. 	February 9, 2015	Yes
12.3	The proponent shall prepare and implement an Air Emissions Monitoring Plan. The Plan shall be prepared, in consultation with the ministry and to the satisfaction of the Director.	<ul style="list-style-type: none"> Air Emissions Monitoring Plan submitted for comments to the MECP and to the Advisory Committee via letter dated July 23, 2011. Final plan incorporating comments from MECP and Advisory Committee submitted via letter dated August 31, 2011 MECP provided comments via letter dated August 21, 2012. Regions and Covanta revised the Air Emissions Monitoring Plan on October 5, 2012, November 8, 2012, and February 11, 2013, to address comments from the MECP. The Air Emissions Monitoring Plan was approved by the MECP Director via letter dated April 9, 2013. 	August 31, 2011	Yes
12.4	The Air Emissions Monitoring Plan shall include, at a minimum: <ol style="list-style-type: none"> a) Identification of all sources of air emissions at the site to be monitored; b) Identification of which contaminants will be monitored by continuous emissions monitoring and which by stack testing; c) The proposed start date for and frequency of air emissions monitoring; d) The frequency of and format for reporting the results of air emissions monitoring; e) The contaminants that shall be monitored, which shall include at a minimum those contaminants set out in Schedule 1 to this Notice of Approval; and, f) A notification, investigation and reporting protocol to be used in the event that the concentration(s) of one or more of the contaminants released from an emission source that requires approval under Section 9 of the <i>Environmental Protection Act</i> exceeded the relevant limits. 	<ul style="list-style-type: none"> Completed. 	August 31, 2011	Yes

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Condition No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
12.5	The proponent shall submit the Air Emissions Monitoring Plan to the Director, a minimum of six months prior to the start of construction or by such other date as agreed to in writing by the Director.	<ul style="list-style-type: none"> • Director revised submission deadline to August 31, 2011, via letter dated June 30, 2011. • Plan submitted August 31, 2011 	August 31, 2011	Yes
12.6	The proponent shall implement the Air Emissions Monitoring Plan such that the monitoring commences when the first discharges are emitted from the facility to the air or at such other time as the Director may agree to in writing and shall continue until such time as the Director notifies the proponent in writing that the Air Emissions Monitoring Plan is no longer required.	<ul style="list-style-type: none"> • ECA Condition 5 details requirements for operation and maintenance of the air pollution control (APC) and continuous emissions monitoring systems (CEMS) equipment. • ECA Condition 6 details the facility performance requirements for combustion, APC and CEMS. • ECA Condition 13 details actions required to notify the MECP in the event of a spill. 	Carried into the ECA	Yes
12.7	The proponent shall post the reports of the air emissions monitoring systems on the proponent's web site for the undertaking.	<ul style="list-style-type: none"> • Required by Condition 16 (1) (a) of the Environmental Compliance Approval. • Web site reporting of emissions monitoring is ongoing. 	Carried into the ECA	Yes
12.8	For those contaminants that are monitored on a continuous basis, the proponent shall post on the proponent's website for the undertaking the results of the monitoring for each of those contaminants in real time.	<ul style="list-style-type: none"> • Web site reporting of emissions monitoring is ongoing. • Required by ECA Condition 16 (2) 	Carried into the ECA	Yes
13.	Air Emissions Operational Requirements			
13.1	The proponent is expected to operate the undertaking in accordance with Schedule 1 of the Notice of Approval. If the facility is not operating in accordance with Schedule 1, the operator is required to take steps to bring the facility back within these operational requirements.	<ul style="list-style-type: none"> • All air emissions operational and monitoring requirements of the Environmental Assessment are carried into the ECA. • During the period covered by this report, the facility was compliant with all air emissions requirements in Schedule 1. 	Carried into the ECA	Yes
13.2	Schedule 1 sets out the operational requirements the ministry expects the facility to meet during the normal operating conditions of the facility when operating under a steady state but does not include start up, shut down, or malfunction.	<ul style="list-style-type: none"> • Schedule 1 is carried into the ECA as Schedule "C". • ECA Condition 5 details requirements for operation and maintenance of the air pollution control (APC) and continuous emissions monitoring systems (CEMS) equipment. • ECA Condition 6 details the facility performance requirements for combustion, APC and CEMS. • ECA Condition 7 details the testing and monitoring requirements of the CEMS. • ECA Condition 13 details actions required to notify the MECP in the event of a spill. • Schedule "F" of the ECA details the CEMS specifications required by the MECP. 	Carried into the ECA	Yes
13.3	The timing and frequency of monitoring for a contaminant in Schedule 1 shall be as required by the approval granted to the facility under the <i>Environmental Protection Act</i> , should approval be granted.	<ul style="list-style-type: none"> • Timing and frequency are in accordance with Schedule "C" of the Environmental Compliance Approval. • ECA Condition 7 details timing and frequency for source testing. 	Carried into the ECA	Yes

Condition No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
14.	Daily Site Inspection			
14.1	The proponent shall conduct a daily site inspection of the site including the non-hazardous municipal solid waste received at the site, each day the undertaking is in operation to confirm that: a) The site is secure; b) The operation of the undertaking is not causing any nuisance impacts; c) The operation of the undertaking is not causing any adverse effects on the environment; d) The undertaking is being operated in compliance with the conditions in this Notice of Approval and any other ministry approvals issued for the undertaking; and, e) Only non-hazardous waste is being received at the site.	<ul style="list-style-type: none"> Agreed See Environmental Compliance Approval Conditions 3 (6), 3 (7), 3 (8), 5 (5), 14 (3), and 14 (5). 	Carried Into the ECA	Yes
14.2	If, as a result of the daily inspection, any deficiencies are noted by the employee in regard to the factors set out in Condition 14.1 above, the deficiency shall be remedied immediately by the proponent. If necessary to remedy the deficiency, the proponent shall cease operations at the site until the deficiency has been remedied.	<ul style="list-style-type: none"> Agreed See Environmental Compliance Approval Conditions 5 (5), 14 (3), and 14 (5). 	Carried into the ECA	Yes
14.3	A record of the daily inspections shall be kept in the daily log book required in Condition 15. The information below must be recorded in the daily log book by the person completing the inspection and includes the following information: a) The name and signature of the person that conducted the daily inspection; b) The date and time of the daily inspection; c) A list of any deficiencies discovered during the daily inspection; d) Any recommendations for action; and, e) The date, time, and description of actions taken.	<ul style="list-style-type: none"> Agreed See Environmental Compliance Approval Conditions 5 (5), 14 (3), and 14 (5). 	Carried into the ECA	Yes
14.4	The proponent shall retain either on site or in another location approved by the District Manager, a copy of the daily log book and any associated documentation regarding the daily site inspections.	<ul style="list-style-type: none"> Agreed See Environmental Compliance Approval Conditions 5 (5), 14 (3), and 14 (5). Required by Condition 14 (2) of the Environmental Compliance Approval. 	Carried into the ECA	Yes
15.	Daily Record Keeping			
15.1	The proponent shall maintain a written daily log which shall include the following information: a) Date;	<ul style="list-style-type: none"> Agreed See Environmental Compliance Approval Conditions 5 (5), 14 (3), and 14 (5). 	Carried into the ECA	Yes

Condition No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
	b) Types, quantities, and source of non-hazardous municipal solid waste received; c) Quantity of unprocessed, processed and residual non-hazardous municipal solid waste on the site; d) Quantities and destination of each type of residual material shipped from the site; e) The record of daily site inspections required to be maintained by Condition 14.3; f) A record of any spills or process upsets at the site, the nature of the spill or process upset and the action taken for the clean up or correction of the spill or process upset, the time and date of the spill or process upset, and for spills, the time that the ministry and other persons were notified of the spill pursuant to the reporting requirements of the <i>Environmental Protection Act</i> ; g) A record of any waste that was refused at the site, including: amounts, reasons for refusal and actions taken; and, h) The name and signature of the person completing the report.			
15.2	The proponent shall retain, either on site or in another location approved by the District manager, a copy of the daily log book and any associated documentation.	<ul style="list-style-type: none"> Agreed See Environmental Compliance Approval Conditions 5 (5), 14 (3), and 14 (5). 	Carried into the ECA	Yes
15.3	The proponent shall make the daily log book and any associated documentation available to the ministry or its designate in a timely manner when requested to do so by the ministry.	<ul style="list-style-type: none"> Agreed Required by Condition 14(1) of the Environmental Compliance Approval. 	Carried into the ECA	Yes
16.	Third Party Audits			
16.1	The proponent shall retain the services of a Qualified, Independent Professional Engineer to carry out an independent audit of the undertaking.	<ul style="list-style-type: none"> Complete 	December 8, 2011	Yes
16.2	Within six months from the date of approval or other such date as agreed to in writing by the Regional Director, the proponent shall submit to the Director and the Regional Director, the name of the Qualified, Independent Professional Engineer and the name of the company where he/she is employed.	<ul style="list-style-type: none"> Deadline to submit name of auditor revised to September 30, 2011 via letter from the Director and Regional Director dated June 30, 2011. Deadline to submit name of external auditor extended to 30 days prior to the commencement of construction to allow for the ministry's comment on the draft audit plan via letter from the MECP Director and Regional Director dated September 30, 2011. Regions submitted name of construction-phase auditor on November 16, 2011, more than 30 days prior to commencement of construction in January 2012. Regions submitted name of acceptance testing phase auditor via letter dated September 18, 2013. 	November 16, 2011	Yes

Condition No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
		<ul style="list-style-type: none"> Regions submitted name of auditor for operations phase via letter dated June 9, 2014. Regions provided notice to the MECP of the new Third Party Auditor via letter dated December 19, 2017. 		
16.3	The proponent shall submit an audit plan to the satisfaction of the Regional Director that sets out the timing of and frequency for the audits, as well as the manner in which the audits are to be carried out.	<ul style="list-style-type: none"> Construction Phase Audit Plan approved by the Regional Director and Regional Director via letter dated December 8, 2011. Acceptance test audit plan approved by Regional Director via letter dated July 23, 2014. Operations Phase audit plan approved by MECP via letter dated October 24, 2013. Revised Operations Phase Audit Plan submitted to the MECP via letter dated April 14, 2020 and approved by MECP via letter dated May 6, 2020. 	December 8, 2011	Yes
16.4	<p>The audit shall include, at a minimum, the following:</p> <p>a) A detailed walkthrough of the entire site;</p> <p>b) A review of all operations used in connection with the undertaking; and,</p> <p>c) A detailed review of all records required to be kept by this Notice of Approval or under any other ministry approvals for the undertaking.</p> <p>d) The proponent shall obtain from the Qualified, Independent Professional Engineer, a written report of the audit prepared and signed by the Qualified, Independent Professional Engineer that summarizes the results of the audit.</p>	<ul style="list-style-type: none"> Audit plans for construction phase, acceptance testing phase, and operations phase comply with these requirements. Carried into ECA Condition 15 (2). 	Carried into the ECA	Yes
16.5	The proponent shall submit the written report summarizing the result of the audit to the Regional Director no later than 10 business days following the completion of the audit.	<ul style="list-style-type: none"> The first Construction Phase Audit report was submitted to the MECP on June 15, 2012. The second Construction Phase audit report was submitted to the MECP on April 15, 2013. The third Construction Phase Audit report was submitted to the MECP on September 20, 2013. The fourth Construction Phase Audit report was submitted to the MECP on April 14, 2014. The Acceptance Phase Audit report was submitted to the MECP on March 23, 2016. The tenth (2024 Operating Year) Operation Phase Audit report was submitted to the MECP on April 30, 2025. Carried into ECA Condition 15 (3). 	Carried into the ECA	Yes
16.6	The proponent shall retain either on site or in another location approved by the Regional Director, a copy of the written audit report and any associated documentation.	<ul style="list-style-type: none"> Copies of all audit reports are retained on site. 	Carried to the ECA	Yes

Condition No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
		<ul style="list-style-type: none"> Copies of future audit reports will be retained on site as required by Condition 14 (9)(d) of the Environmental Compliance Approval. Carried into ECA Condition 15 (3). 		
16.7	The proponent shall make the written audit report and any associated documentation available to the ministry or its designate in a timely manner when requested to do so by the ministry.	<ul style="list-style-type: none"> Agreed Required by Condition 14 (1) of the Environmental Compliance Approval. 	Carried into the ECA	Yes
16.8	The proponent shall post the written audit report on the proponent's web site for the undertaking following submission of the report to the ministry.	<ul style="list-style-type: none"> All audit reports to date have been posted to the project website. Future reports will be posted to the website as required by Condition 16(1)(d) of the Environmental Compliance Approval 	Carried into the ECA	Yes
17.	Spill Contingency and Emergency Response Plan			
17.1	The proponent shall prepare and implement a Spill Contingency and Emergency Response Plan.	<ul style="list-style-type: none"> Required by Condition 11 of the Environmental Compliance Approval. Draft Spill Contingency and Emergency Response Plan was submitted to the MECP via letter dated September 24, 2013. Final Spill Contingency and Emergency Response Plan was submitted to the MECP via letter dated January 29, 2014. MECP approved the Spill Contingency and Emergency Response Plan via Environmental Compliance Approval amendment dated August 12, 2014. Revised Spill Contingency and Emergency Response Plan was submitted to MECP March 30, 2021. MECP acknowledged receipt of the revised Spill Contingency and Emergency Response Plan via letter dated June 28, 2021. 	September 24, 2013	Yes
17.2	The proponent shall submit to the Director, the Spill Contingency and Emergency Response Plan a minimum of 60 days prior to the receipt of non-hazardous municipal solid waste at the site or such other date as agreed to in writing by the Director.	<ul style="list-style-type: none"> Deadline to submit plan revised to 120 days prior to the commencement date of operation by Environmental Compliance Approval Condition 11 (3). The draft Spill Contingency and Emergency Response Plan was submitted via letter dated September 24, 2013, to the MECP. 	September 24, 2013	Yes
17.3	The Spill Contingency and Emergency Response Plan shall include, but is not limited to: <ol style="list-style-type: none"> Emergency response procedures, including notification procedures in case of a spill, fires, explosions or other disruptions to the operations of the facility; Cell and business phone numbers and work location for all person(s) responsible for the management of the site; Emergency phone numbers for the local ministry office, the ministry 's Spills Action Centre, and the local Fire Department; 	<ul style="list-style-type: none"> Additional requirements included in Environmental Compliance Approval Condition 11 (2). Completed. 	September 24, 2013	Yes

Condition No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
	d) Measures to prevent spill, fires and explosions; e) Procedures for use in the event of a fire; f) Details regarding equipment for spill clean-up and all control and safety devices; g) Shut down procedures for all operations associated with the undertaking including alternative waste disposal site locations; h) Maintenance and testing program for spill clean-up equipment and firefighting equipment; i) Training for site operators and emergency response personnel; and, j) A plan, identifying the location and nature of wastes on site.			
17.4	The proponent shall provide the Spill Contingency and Emergency Response Plan to the District Manager, the local Municipality of Clarington and the local Municipality of Clarington Fire Department a minimum of 30 days prior to the initial receipt of non-hazardous municipal solid waste at the site or such other date as agreed to in writing by the Director.	<ul style="list-style-type: none"> • Deadline to submit finalized plan to the Director revised to 120 days prior to the commencement date of operation by Environmental Compliance Approval Condition 11 (3). • Document was submitted to the District Manager, local municipality, and fire department for comments prior to final submission. • Draft Spill Contingency and Emergency Response Plan was submitted to the MECP via letter dated September 24, 2013. • Draft Spill Contingency and Emergency Response Plan was also developed in consultation with the local municipality and local fire department in advance of the final submission to the MECP. • Municipal building code and fire code requirements for construction are reviewed with each building permit submission. 	September 24, 2013	Yes
17.5	The proponent shall take all necessary steps to contain and clean up a spill on the site. A spill or upset shall be reported immediately to the ministry's Spills Action Centre at (416) 325-3000 or 1-800-268-6060.	<ul style="list-style-type: none"> • Agreed. • Required by Condition 12 of the Environmental Compliance Approval. • Required by Condition 13(3) of the Environmental Compliance Approval. 	Carried into the ECA	Yes
18.	Odour Management and Mitigation			
18.1	The proponent shall prepare, in consultation with the ministry's Central Region Office and to the satisfaction of the Regional Director, and implement an Odour Management and Mitigation Plan for the undertaking.	<ul style="list-style-type: none"> • Odour Management and Mitigation Plan submitted to MECP on August 31, 2011. • Revised Odour Management and Mitigation Plan submitted May 4, 2012. • Odour Management and Mitigation Plan approved by Regional Director via letter dated August 21, 2012. 	August 21, 2012	Yes
18.2	The proponent shall submit the Odour Management and Mitigation Plan to the Regional Director a minimum of six months prior to the start of construction or at such other time as agreed to in writing by the Regional Director.	<ul style="list-style-type: none"> • Deadline to submit plan revised to August 31, 2011, via letter from the Director and Regional Director dated June 30, 2011. 	August 31, 2011	Yes

Condition No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
		<ul style="list-style-type: none"> Plan submitted in draft form to MECP and Advisory Committee for comments via email dated July 25, 2011. Plan incorporating MECP and Advisory Committee comments submitted August 31, 2011. 		
18.3	<p>The Odour Management and Mitigation Plan shall include at a minimum:</p> <p>a) Standard operating and shut down procedures; b) Maintenance schedules; c) Ongoing monitoring for and reporting of odour; d) Corrective action measures and other best management practices for ongoing odour control and for potential operational malfunctions; e) A schedule for odour testing at sensitive receptors; and, f) A section that specifically addresses odour control measures should operation of the undertaking be disrupted or cease.</p>	<ul style="list-style-type: none"> Addressed in the approved odour management and mitigation plan. Additional requirements listed in Environmental Compliance Approval Condition 8(9). 	August 31, 2011	Yes
18.4	<p>The proponent shall prepare and submit the Odour Management and Mitigation Monitoring Reports annually to the Regional Director with the first report submitted beginning six months following the initial receipt of non-hazardous municipal solid waste at the site or such other date as agreed to in writing by the Regional Director.</p>	<ul style="list-style-type: none"> Final Odour Monitoring and Mitigation Plan is compliant with these requirements. The first annual Odour test was held simultaneously with the first Stack (source) test as agreed to by the MECP on October 8, 2015. Odour test report was submitted to the MECP on November 25, 2015. Odour Reports are required to be submitted Annually by November 26. The 2024 Annual Odour Report was submitted to the MECP on November 25, 2024 Required by ECA Condition 7(8) 	Carried into the ECA	Yes
18.5	<p>The Odour Management and Mitigation Monitoring Reports shall be submitted every 12 months from the date of the submission of the first report or until such time as the Regional Director notifies the proponent in writing that the Odour Management and Mitigation Monitoring Reports are no longer required.</p>	<ul style="list-style-type: none"> Required by ECA Condition 7(8) 	Carried into the ECA	Yes
18.6	<p>The proponent shall post the Odour Management and Mitigation Monitoring Reports on the proponent's web site for the undertaking following submission of the reports to the Regional Director.</p>	<ul style="list-style-type: none"> Odour Management and Mitigation Plan posted to the website. Required by Condition 16(1)(e) of Environmental Compliance Approval 	Carried into the ECA	Yes
19.	Noise Monitoring and Reporting			
19.1	<p>The proponent shall prepare and implement a Noise Monitoring and Reporting Plan for the undertaking.</p>	<ul style="list-style-type: none"> Noise Monitoring and Reporting Plan was submitted to the Director via letter dated September 15, 2011. Noise Monitoring and Reporting Plan was approved by the MECP via Amendment Approval dated August 12, 2014. 	September 15, 2011	Yes

Condition No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
19.2	The proponent shall submit the Noise Monitoring and Reporting Plan to the Director a minimum of 90 days prior to the start of construction or such other date as agreed to in writing by the Director.	<ul style="list-style-type: none"> Final plan submitted via letter dated September 15, 2011. Final submission date is more than 90 days prior to start of construction in January 2012. 	September 15, 2011	Yes
19.3	The Noise Monitoring and Reporting Plan shall include a protocol to ensure that the noise emissions from the facility comply with the limits set out in the Ministry of the environment's Publication NPC-205 "Sound Level Limits for Stationary Sources in Class 1 & 2 Areas (Urban)", October 1995, as amended from time to time.	<ul style="list-style-type: none"> Acoustic audits have been completed for 2015 and 2016. Noise Monitoring and Reporting Plan as amended in June 2017 does not require additional acoustic audits unless requested by the MECP. 	September 15, 2011	Yes
19.4	The proponent shall post the Noise Monitoring and Reporting Plan on the proponent's web site for the undertaking following submission of the plan to the Director.	<ul style="list-style-type: none"> Noise Monitoring and Reporting Plan posted to the website. Required by Condition 16(1)(f) of the Environmental Compliance Approval. 	September 15, 2011	Yes
20.	Groundwater and Surface Water Monitoring and Reporting			
20.1	Prior to the start of construction, the proponent shall identify any areas where the undertaking may affect groundwater or surface water. For those areas, the proponent shall prepare and implement, in consultation with the ministry's Central Region Office and to the satisfaction of the Regional Director, a Groundwater and Surface Water Monitoring Plan.	<ul style="list-style-type: none"> Groundwater and Surface Water Monitoring and Reporting Plan submitted to the Regional Director via letter dated September 15, 2011. Groundwater and Surface Water Monitoring Plan was approved by the Regional Director via letter dated October 14, 2011. 	September 15, 2011	Yes
20.2	The proponent shall provide the Groundwater and Surface Water Monitoring Plan to any other government agencies for review and comment, as may be appropriate.	<ul style="list-style-type: none"> Groundwater and Surface Water Monitoring Plan was provided to the Central Lake Ontario Conservation Authority and the Advisory Committee for comments in August 2011. 	August, 2011	Yes
20.3	The Groundwater and Surface Water Monitoring Plan shall include at a minimum: <ol style="list-style-type: none"> a) A groundwater and surface water monitoring program; b) The proposed start date and frequency of groundwater and surface water monitoring; c) The contaminants that shall be monitored as part of the groundwater and surface water monitoring program; and, d) At least one meeting each year between the proponent and the Regional Director to discuss the plan, the results of the monitoring program and any changes that are required to be made to the plan by the Regional Director. 	<ul style="list-style-type: none"> Included in the approved plan An annual meeting with the MECP to discuss the Report and Plan is scheduled for December 16, 2025. 	September 15, 2011	Yes
20.4	The proponent shall submit the Groundwater and Surface Water Monitoring Plan to the Regional Director a minimum of 90 days prior to the start of construction or such other date as agreed to in writing by the Regional Director.	<ul style="list-style-type: none"> September 15, 2011, submission date was more than 90 days prior to the start of construction in January 2012. Groundwater Surface Water Monitoring Plan approved by the Regional Director via letter dated October 14, 2011. 	September 15, 2011	Yes

Condition No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
20.5	The Regional Director may require changes to be made to the Groundwater and Surface Water Monitoring Plan and the proponent shall implement the plan in accordance with the required changes.	<ul style="list-style-type: none"> The mechanism for changes requested by the MECP is included in the Groundwater and Surface Water Monitoring Plan. Groundwater and Surface Water monitoring is a requirement of ECA Condition 7(14). Request for changes to the Groundwater and Surface Water Monitoring Plan made via letter dated April 29, 2016, and approved by MECP via letter dated May 17, 2016. Request to amend the Groundwater and Surface Water Monitoring Plan made via letter dated January 9, 2020, and approved by MECP via letter dated May 7, 2020. 	Carried into the ECA	Yes
20.6	The groundwater and surface water monitoring program shall commence prior to the receipt of non-hazardous municipal solid waste at the site or such other time as agreed to in writing by the Regional Director, and shall continue until such time as the Regional Director notifies the proponent in writing that the groundwater and surface water monitoring program is no longer required.	<ul style="list-style-type: none"> Approved Groundwater and Surface Water Monitoring Plan commenced prior to start of construction and will continue until the Regional Director notifies the Regions in writing that the monitoring program is no longer required. Baseline groundwater sampling commenced in January 2012, prior to receipt of waste. 	Carried into the ECA	Yes
20.7	Thirty days after waste is first received on site, the proponent shall prepare and submit to the Director and Regional Director, a report containing all of the results of the groundwater and surface water monitoring program.	<ul style="list-style-type: none"> Groundwater and Surface Water Facility Initiation Reports were submitted to the MECP on March 11, 2015, 30 days from when waste was first received on site February 9, 2015. 	March 11, 2015	Yes
20.8	The proponent shall prepare and submit to the Director and Regional Director, an annual report containing the results of the groundwater and surface water monitoring program. The first report shall be submitted 12 months from the start of the monitoring program and every year thereafter.	<ul style="list-style-type: none"> Annual reports have been submitted for 2012 – 2021. Annual report for 2024 submitted on April 30, 2025 	Carried into the ECA	Yes
20.9	The proponent shall prepare and submit to the Director and Regional Director, a report containing the results of the groundwater and surface water monitoring program with 30 days of any of the following events: a) A spill occurs on site; b) A fire or explosion occurs on site; c) A process upset; or, d) Any disruption to normal operations that may directly or indirectly have an impact on groundwater or surface water.	<ul style="list-style-type: none"> Included in the approved Groundwater and Surface Water Monitoring Plan. Required by Condition 7(14)(b) of the Environmental Compliance Approval. 	Carried into the ECA	Yes
20.10	The proponent shall post the Groundwater and Surface Water Monitoring Plan and all reports required by this condition on the proponent's web site for the undertaking following submission of the plan and reports to the ministry.	<ul style="list-style-type: none"> Groundwater and Surface Water Monitoring Plan and reports are posted to the website. Future reports will be posted to the website as they are prepared. Required by Condition 7(14)(c) of the Environmental Compliance Approval. Required by Condition 16 (1) (g) of the Environmental Compliance Approval. 	Carried into the ECA	Yes

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Condition No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
21.	Types of Waste and Service Area			
21.1	Only non-hazardous municipal solid waste from municipal collection within the jurisdictional boundaries of the Regional Municipality of Durham and the Regional Municipality of York may be accepted at the site.	<ul style="list-style-type: none"> Agreed Required by Conditions 2 (1), 2 (2), and 2 (3) of the Environmental Compliance Approval. 	Carried into the ECA	Yes
21.2	Materials which have been source separated for the purposes of diversion shall not be accepted at this site. This prohibition does not apply to the non-recyclable residual waste remaining after the separation of the recyclable materials from the non-recyclable materials at a materials recycling facility or other processing facility.	<ul style="list-style-type: none"> Agreed See Condition 2 (3) (b) of the Environmental Compliance Approval. 	Carried into the ECA	Yes
21.3	The proponent shall ensure that all incoming waste is inspected prior to being accepted at the site to ensure that only non-hazardous municipal solid waste is being accepted.	<ul style="list-style-type: none"> Agreed See Condition 4 (2) and 4 (3) of the Environmental Compliance Approval. 	Carried into the ECA	Yes
21.4	If any materials other than non-hazardous municipal solid waste are found during inspection or operation, the proponent shall ensure that management and disposal of the material is consistent with ministry guidelines and legislation.	<ul style="list-style-type: none"> Agreed See Condition 4 (3) of the Environmental Compliance Approval. 	Carried into the ECA	Yes
22.	Amount of Waste			
22.1	The maximum amount of non-hazardous municipal solid waste that may be processed at the site is 140,000 tonnes per year.	<ul style="list-style-type: none"> 140,000 tonnes per year is the maximum annual tonnage recognized on page 1 of the Environmental Compliance Approval. 	Carried into the ECA	Yes
23.	Notice of the Date Waste First Received			
23.1	Within 15 days of the receipt of the first shipment of waste on site, the proponent shall give the Director and Regional Director written notice that the waste has been received.	<ul style="list-style-type: none"> Notification letter sent to MECP via email on February 10, 2015, 1 day after waste was first received on site. 	February 2015	Yes
24.	Construction and Operation Contracts			
24.1	In carrying out the undertaking, the proponent shall require that its contractors, subcontractors and employees: <ul style="list-style-type: none"> a) fulfill the commitments made by the proponent in the environmental assessment process, including those made in the environmental assessment and in the proponent's responses to comments received during the environmental assessment comment periods; b) meet applicable regulatory standards, regarding the construction and operation of the undertaking; c) obtain any necessary approvals, permits or licenses; and, d) have the appropriate training to perform the requirements of their position. 	<ul style="list-style-type: none"> Project Agreement requires Contractor to comply with all authorizations including the Environmental Assessment and Notice of Approval (incorporated by reference) the Certificates of Approval, and all applicable regulations. Regions provided a full-time on-site inspector during construction to monitor compliance with the terms and conditions of the contract, including compliance with EA conditions. Carried into the ECA. Environmental Compliance Approval Condition 9(1) requires Covanta to document staff training on the EA and ECA conditions and applicable laws and regulations. 	Carried into the ECA	Yes

Condition No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
		<ul style="list-style-type: none"> • Complaint Protocol will remain in effect throughout the construction, commissioning, and operations periods in accordance with Condition 6 of the Notice to Proceed. • All building and other permits have been approved. 		
25.	Amending Procedures			
25.1	Prior to implementing of any proposed changes to the undertaking, the proponent shall determine what <i>Environmental Assessment Act</i> requirements are applicable to the proposed changes and shall fulfill those <i>Environmental Assessment Act</i> requirements.	<ul style="list-style-type: none"> • Agreed 	Carried into the ECA	Yes

Appendix B

EA Study Document Compliance Table

Durham York Energy Centre 2025 Compliance Monitoring Report – Appendix B
EA Study Document Compliance Table
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Relevant EA Section No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
General Requirements				
2	The Proponents commit that if approval to proceed with the Undertaking is given, it will be the Proponents who are legally responsible for carrying out the Undertaking as approved.	<ul style="list-style-type: none"> The Regions are 100% owners under the Project Agreement Both Regions and the Contractor are named on the Environmental Compliance Approval Application at the MECP's request. As owners, the Regions remain legally responsible for ensuring that the contractor fulfills its duties under the contract. 	Carried into the ECA	Yes
11	The Regions will undertake an evaluation of post-closure uses for the property associated with the Project, at the appropriate time when the Project is nearing the end of its life expectancy.	<ul style="list-style-type: none"> Required by Condition 18 of the Environmental Compliance Approval. Commitment reaffirmed in Section 16 of the Design and Operations Report submitted with the Waste ECA Application. Environmental Compliance Approval Condition 18 requires the Regions to submit a Closure Plan for approval by the MECP at least 9 months prior to facility closure. 	Carried into the ECA	Yes
11	Decommissioning of the Facility will be conducted in compliance with applicable regulatory requirements at the time of decommissioning.	<ul style="list-style-type: none"> Required by Condition 18 of the Environmental Compliance Approval. 	Carried into the ECA	Yes
11.2	Environmental protection awareness, spill prevention planning and contingency training will be implemented for all employees as necessary and appropriate.	<ul style="list-style-type: none"> Final Spill Contingency and Emergency Response Plan was submitted to the MECP January 29, 2014. Staff training requirements including regulatory compliance and emergency response provided in Environmental Compliance Approval Condition 9 (1). 	Carried into the ECA	Yes
15	The Regions will prepare and submit to the Director of the EAB of the Ontario MECP an EA Compliance Monitoring Program.	<ul style="list-style-type: none"> Compliance Monitoring Program submitted to the Director via letter dated October 14, 2011, in accordance with Condition 4.1 of the EA Notice of Approval. 	October 14, 2011	Yes
Air Quality				
11.1	Air quality related mitigation/management during construction will include: <ul style="list-style-type: none"> Mitigation and environmental management / monitoring measures will include: Employment of controlled entrances and exits at the construction site to minimize the offsite tracking of mud. Temporary and permanent grassing in disturbed areas. Dust control during dry periods. Possible implementation of an idling protocol as required. Adherence to an equipment maintenance program. Ambient air quality monitoring for particulate matter will be undertaken to monitor the effectiveness of the mitigation measures. 	<ul style="list-style-type: none"> Construction is substantially complete and the construction general contractor has moved off-site. Project Agreement requires Contractor to comply with all authorizations including Environmental Assessment and Certificates of Approval, and all applicable regulations. Regions provided a full-time on-site inspector during construction to monitor compliance with the terms and conditions of the contract, including compliance with EA conditions. Complaint protocol submitted to MECP as per EA Notice to Proceed Condition 6 will be in effect throughout the construction period. 	Carried into the ECA	Yes

Relevant EA Section No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
		<ul style="list-style-type: none"> Air Quality during construction is addressed by the contractor in their site Quality Management and/or Site-Specific Health and Safety Plans. 		
11.1	Very low NO _x (VLN) system in the Facility's stoker	<ul style="list-style-type: none"> Facility is equipped with VLN system. 	February 9, 2015	Yes
11.1	SNCR for additional NO _x control	<ul style="list-style-type: none"> Facility is equipped with SNCR system. 	February 9, 2015	Yes
11.1	Activated carbon injection after the economizer for mercury and dioxin/furan control	<ul style="list-style-type: none"> Facility is equipped with an activated carbon system. 	February 9, 2015	Yes
11.1	Acid gas scrubber the removal of gases such as SO _x and HCl	<ul style="list-style-type: none"> Facility is equipped with an acid gas scrubber. 	February 9, 2015	Yes
11.1	A fabric filter baghouse to remove solid particulate matter	<ul style="list-style-type: none"> Facility is equipped with a fabric filter baghouse. 	February 9, 2015	Yes
11.1	The application of design and operations pre-processing odour control measures such as enclosed loading, negative air pressure inside the Facility and fully-enclosed feedstock delivery trucks.	<ul style="list-style-type: none"> Facility design includes negative air pressure and fully enclosed waste receiving and ash loading facilities. Waste delivery trucks are fully enclosed. 	February 9, 2015	Yes
11.1	Provision of a Continuous Emissions Monitoring System (CEMS) at the baghouse outlet to monitor and record opacity, moisture, CO, O ₂ , NO _x , SO ₂ , HCL and HF. Opacity measurements will be used as the filter bag leak detection system.	<ul style="list-style-type: none"> Facility is equipped with a fully compliant CEMS system. 	February 9, 2015	Yes
11.1	Provision of a Continuous Emissions Monitoring System (CEMS) at the economizer outlet to monitor and record O ₂ , SO ₂ and CO.	<ul style="list-style-type: none"> Facility is equipped with O₂, SO₂ and CO analyzers at the economizer outlet. 	February 9, 2015	Yes
11.1	Provision of a Continuous Emissions Monitoring System (CEMS) to monitor and record <ul style="list-style-type: none"> Flue gas temperatures at the inlet of the boiler convection section and at the baghouse inlet. The temperature and pressure of the feedwater and steam for each boiler. The mass flow rate of steam at each boiler. 	<ul style="list-style-type: none"> Facility is equipped with each of these controls. 	February 9, 2015	Yes
11.1	<ul style="list-style-type: none"> A long-term continuous dioxins sampling device will be installed to monitor the adsorption of dioxins onto the exchangeable adsorption-resin-filled cartridge. 	<ul style="list-style-type: none"> Facility is equipped with a long-term dioxin and furan sampling system. 	September 2015	Yes
11.1	<ul style="list-style-type: none"> Emissions (stack) testing and monitoring protocol as required for the ECA under the EPA. 	<ul style="list-style-type: none"> As per Condition 7(1) and Schedule D of the Environmental Compliance Approval. 	Carried into the ECA	Yes
11.1	<ul style="list-style-type: none"> NPRI emissions reporting that will entail a combination of monitoring or direct measurement, mass balance, process-specific emissions factors and engineering estimates. 	<ul style="list-style-type: none"> National Pollutant Release Inventory (NPRI) annual reporting is a requirement under the Canadian Environmental Protection Act (Federal). 	Carried into the ECA	Yes

Relevant EA Section No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
		<ul style="list-style-type: none"> ECA Condition 1(9) requires compliance with all other applicable laws, statues, and regulations. 2015-2022 Emissions were reported through NPRI. 		
11.1	<ul style="list-style-type: none"> Proposed ambient air quality monitoring in the immediate vicinity of the Facility for a 3-year period. 	<ul style="list-style-type: none"> Ambient air monitoring in accordance with the approved monitoring plan commenced in April 2013. Required by ECA Condition 7(4). 	Carried into the ECA	Yes
Surface Water and Groundwater				
11.2	<p>Surface water and groundwater related mitigation and environmental management / monitoring measures during construction will include:</p> <ul style="list-style-type: none"> Construction phase drainage will route stormwater from throughout the Site to a stormwater sedimentation pond and to the extent feasible, maintain existing drainage routes. Permanent SWM ponds may be constructed early to reduce need for sedimentation ponds. Use of perimeter ditching and site grading as well as silt fencing around forested areas to isolate runoff. Use of setback transition use areas and erosion control fencing along watercourses. ESC will be implemented during the construction phase to reduce potential soil loss and runoff velocities. During the construction phase, stormwater will be routed via conveyance swales and/or storm sewers draining catchbasins to a SWM pond in the southwest corner of the Site. The pond will discharge to the CN Rail swale and stormwater will subsequently be conveyed to Tooley Creek. In addition to the pond, lot level, and conveyance controls such as surface stabilization measures, sediment traps, and swales enhanced with rock check dams will also be employed. Grading plans will be designed to maintain existing drainage patterns which will ensure all captured stormwater will be routed through SWM features. Dewatering and excavation pumping is expected to establish a sufficiently dry environment to construct the Facility foundations. 	<ul style="list-style-type: none"> Construction Phase is complete. All permanent stormwater controls are in place. Required by Condition 4(6) of the Environmental Compliance Approval. Regions provided a full-time on-site inspector during construction to monitor compliance with the terms and conditions of the contract, including compliance with EA conditions. Groundwater and Surface Water Monitoring and Reporting Plan submitted via email September 15, 2011, in accordance with EA Condition 20 includes monitoring of water quality in Tooley Creek using continuous data loggers, and documentation of regular inspection and maintenance of check dams and other sediment controls. A sediment and erosion control plan has been developed by the contractor and was in effect during the construction phase which monitors surface water. Golder was contracted by Covanta to monitor surface water and erosion and sediment control during the construction phase. Site stormwater management plan has been developed and approved by CLOCA and the Municipality of Clarington (Clarington Master Drainage Plan). 	Carried into the ECA	Yes
11.2	<ul style="list-style-type: none"> A series of groundwater monitoring wells may be installed within the Site to assess the Facility's effects on both groundwater quantity and quality during construction to be determined at subsequent approvals stage. 	<ul style="list-style-type: none"> Groundwater and Surface Water Monitoring Plan approved by MECP Central Region Director on October 14, 2011, includes groundwater monitoring wells to be installed prior to facility construction and 1 well to be installed after construction. Pre-construction groundwater wells installed in December 2011. Baseline monitoring commenced January 2012. All required monitoring wells are now in service. 	December 2011	Yes

Relevant EA Section No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
11.2	<ul style="list-style-type: none"> Storm water pond design criteria will meet enhanced design guidance criteria found in the MECP SWM Planning and Design Manual; 	<ul style="list-style-type: none"> The stormwater management pond design is compliant with this requirement and is provided in Section 6.2.4 of the Design Report. Stormwater ponds have been designed and constructed on site in the southeast and southwest corners of the EFW property. 	February 9, 2015	Yes
11.2	<ul style="list-style-type: none"> Increase in runoff potential will be mitigated with peak flow attenuation, baseflow augmentation and SWM design that provides an enhanced level of receiving water protection; 	<ul style="list-style-type: none"> Pond has been designed with an active storage volume greater than the entire runoff volume from the 100-year storm. Stormwater pond design has been approved and constructed on site. 	February 9, 2015	Yes
11.2	<ul style="list-style-type: none"> Accidents and malfunctions planning and spill management redundancy and stormwater control from source to discharge will ensure the protection of surface water and groundwater resources. 	<ul style="list-style-type: none"> Covanta submitted a Spill Contingency and Emergency Response Plan on September 24, 2013, as required by Condition 17.1 of the Notice of Approval and Condition 11(2) of the Environmental Compliance Approval. Storage of waste and ash is indoors on impervious surfaces with no drainage to outside the facility. Storage of all chemical reagents is in accordance with applicable regulations. Storage of aqueous ammonia includes secondary containment. Outdoor surface drainage discharges to the stormwater management ponds with gate valves on the outlets, providing an opportunity to contain and remediate any spills occurring outside the process buildings. 	Carried into the ECA	Yes
11.2	<ul style="list-style-type: none"> Monitoring of stormwater end-of-pipe Facility discharge quality (as required as part of C of A); 	<ul style="list-style-type: none"> Groundwater and Surface Water Monitoring and Reporting Plan was developed in consultation with MECP Central Region Office and approved by the Central Region Director on October 14, 2011. Monitoring commenced in January 2012. 	Carried into the ECA	Yes
Soils				
11.2 & 11.3	Soils related mitigation and environmental management / monitoring measures during construction will include: <ul style="list-style-type: none"> Topsoil and subsoil salvage and storage. Apply erosion and sedimentation control measures (also described in surface water). 	<ul style="list-style-type: none"> Facility construction is complete. Project Agreement requires Contractor to comply with all authorizations including Environmental Assessment and Certificates of Approval, and all applicable regulations. Regions provided a full-time on-site inspector during construction to monitor compliance with the terms and conditions of the contract, including compliance with EA conditions. Erosion and sediment control monitoring is undertaken continuously in accordance with plan approved by the Ministry of Environment, Conservation and Parks, Central Lake Ontario Conservation authority and the Municipality of Clarington. 	January 28, 2016	Yes

Relevant EA Section No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
		<ul style="list-style-type: none"> Required by ECA Condition 7(10) and 13(4). 		
	Acoustic			
11.4	Acoustic related mitigation and environmental management / monitoring measures during construction will include: <ul style="list-style-type: none"> Pile driving effects will be reduced through alternative technologies (e.g., vibratory pile driving), controls, and scheduling. Construction vehicle traffic is predicted to be acceptable against applicable criteria, but short-term (i.e., 1-hour) effects during peak demand are possible. These peaking issues will be reduced through scheduling and planning of vehicle trips. A monitoring program and contingency plan will be implemented to address any issues that may arise during the construction and post-closure periods of the Facility. 	<ul style="list-style-type: none"> Facility construction is complete. The Regions submitted a Noise Monitoring and Reporting Plan to the Director in accordance with Condition 19 of the Notice of Approval on September 15, 2011. Project Agreement requires Contractor to comply with all authorizations including Environmental Assessment and Certificates of Approval, and all applicable regulations, including Clarington Noise by-law. Regions provided a full-time on-site inspector during construction to monitor compliance with the terms and conditions of the contract, including compliance with EA conditions. Required by ECA Condition 7(5). 	Carried into the ECA	Yes
11.4	Noise-related mitigation and environmental management/monitoring measures during operation will include: <ul style="list-style-type: none"> The Facility will be designed to current standards incorporating efficiencies and design enhancements that reduce sound emissions. Where necessary, mitigation measures will be included to ensure applicable noise criteria are met at PORs as predicted. Mitigation measures may include the use of equipment control options such as enclosures, local or property-line barriers, mufflers and silencers, and acoustic baffles or insulation. 	<ul style="list-style-type: none"> The Regions submitted a Noise Monitoring and Reporting Plan in accordance with Condition 19 of the Notice of Approval on September 15, 2011, which includes an annual acoustic audit during the operations phase to monitor compliance with applicable noise criteria. Noise Monitoring and Reporting Plan was approved by the MECP via Amendment Approval dated August 12, 2014. Condition 19.3 of the Notice of Approval requires noise emissions from the facility comply with the limits set out in the Ministry of the environment's Publication NPC-205 "Sound Level Limits for Stationary Sources in Class 1 & 2 Areas (Urban)", October 1995, as amended from time to time. Noise Monitoring and Reporting Plan is in effect. 	Carried into the ECA	Yes
	Visual			
11.5	Visual-related mitigation and environmental management / monitoring measures during construction will include: <ul style="list-style-type: none"> Staging of construction activities. Timely removal of construction debris. A monitoring program and contingency plan will be implemented to address any issues that may arise during the construction of the Facility. Investment in architectural enhancements to the Facility. 	<ul style="list-style-type: none"> An architectural concept for the facility was developed in consultation with the Municipality of Clarington. Facility has been constructed and landscaping completed in accordance with approved plan. 	January 28, 2016	Yes

Relevant EA Section No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
11.5	<p>Visual-related mitigation and environmental management / monitoring measures during operation will include:</p> <ul style="list-style-type: none"> • The use of neutral external colours and effective landscaping. • If concerns regarding Facility visibility are raised by members of the community in the vicinity of the Facility, mitigation measures will be considered such as planting trees or other suitable vegetation at the location to provide a screen within the line of the sight of the Facility. 	<ul style="list-style-type: none"> • An architectural concept for the facility was developed in consultation with the Municipality of Clarington. • Landscaping complete in accordance with the approved plan. • Need for supplementary, off-site visual remediation will be assessed on a case-by-case basis after the facility is constructed. • Reworld received funding from Trees for Life and over 400 trees were planted in Fall 2024 to replace species which failed to thrive. • Landscaping site Plan was closed out following an inspection from the Municipality Clarington on May 16, 2025. 	January 28, 2016	Yes
Natural Environment				
11.6	<p>Natural environment related mitigation and environmental management / monitoring during construction will include:</p> <ul style="list-style-type: none"> • Protective protocols to avoid killing or harming wildlife during Project activities. • Wildlife corridor along the entire east-west length of the Facility's southern property line may be established to enhance wildlife movement. • Native tree and shrub species will be planted, and existing species allowed to grow without disturbance providing additional habitat. • Undertake a pre-construction survey to assess bird nesting activity prior to clearing and grubbing. • Habitat enhancement for Chimney Swifts, if present onsite, and once construction has been completed, compensation for the loss of hedgerow by incorporating native shrubs and trees into landscaping for the Facility. 	<ul style="list-style-type: none"> • Landscape plan as approved by the Municipality of Clarington considers wildlife habitat. • Construction Site Fencing allows for a wildlife corridor to the North and South of the Site. • Reconnaissance report prepared by Golder Associates dated November 11, 2011, to address pre-construction bird nesting activities prior to start of construction. • For work offsite surrounding the Energy from Waste facility, the Regions retained a consultant to undertake monitoring of Eastern Meadowlark. Reports will be produced and provided to the MNR as per letter dated August 28, 2013, from the MNR. • Construction is complete. 	January 28, 2016	Yes
Social / Cultural				
11.7, 8, 9	<p>Social / cultural related mitigation and environmental management / monitoring measures during construction will include:</p> <ul style="list-style-type: none"> • See Noise above for related mitigation / management measures. • See Visual above for related mitigation / management measures. • Dust control during construction will be accomplished through a number of physical and operational methods such as construction exits, timely revegetation, watering, and staging of work. • Deeply buried archaeological resources could still exist and standard conditions regarding discovery of human remains and/or other cultural heritage values will apply. 	<ul style="list-style-type: none"> • Contract requires Covanta to document any findings of archaeological significance and to deal with these findings as directed in writing by the owner and in accordance with applicable laws. • Project Agreement requires Contractor to comply with all authorizations including Environmental Assessment and Certificates of Approval, and all applicable regulations. • Regions provided a full-time on-site inspector during construction to monitor compliance with the terms and conditions of the contract, including compliance with EA conditions. 	January 28, 2016	Yes

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Relevant EA Section No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
		<ul style="list-style-type: none"> To date no findings of archaeological significance have been found on site. Construction is complete. 		
	<ul style="list-style-type: none"> Road/pavement improvements to the South Service Road and Osborne Road to accommodate construction vehicles. 	<ul style="list-style-type: none"> Construction is complete. 	January 28, 2016	Yes
	<ul style="list-style-type: none"> Formation of a Thermal Treatment Facility Site Liaison Committee (SLC) for the construction period. 	<ul style="list-style-type: none"> In addition to the Advisory Committee described in Notice of Approval Condition 8, the Regions have formed an Integrated Waste Management Committee (Energy from Waste-Waste Management Advisory Committee) intended to address issues of concern to the local community. Required by ECA Condition 17. 	Carried into the ECA	Yes
	<ul style="list-style-type: none"> Development and implementation of a Community Relations Plan (CRP) through which Durham, York, and Covanta staff will relate to the local community, including advance notification to local authorities and residents near the Facility of any planned unusual noises or activities (e.g., pile driving, steam blows) or other events that may be of concern to the local community during the construction phase. The plan will also establish contacts and procedures for providing accurate and timely information to the community in the event of an unforeseen incident that may cause concern or impact upon the community. 	<ul style="list-style-type: none"> A requirement of the EA Notice of Approval [See Appendix A, Section 7 (Community Communications Plan)] Community Communications Plan was submitted to the MECP on September 18, 2013. MECP approval via letter dated September 30, 2013. 	September 18, 2013,	Yes
	<ul style="list-style-type: none"> Development and implementation of a community complaints system for construction. 	<ul style="list-style-type: none"> Complaint protocol approved by the MECP July 13, 2011, as per Condition 6 of the EA Notice of Approval. Requirement of Condition 10 of the Environmental Compliance Approval. Monthly reports are sent to the EFWAC and the MECP. 	Carried into the ECA	Yes
	<ul style="list-style-type: none"> Management of residual waste in enclosed vehicles and on enclosed tipping floor 	<ul style="list-style-type: none"> Noted in Sections 5.3 and 5.8 of the Design and Operations Report and required by Environmental Compliance Approval Condition 4(2) and 4(5). Construction of an enclosed tipping floor is complete. All waste is delivered to the site in closed vehicles. 	Carried into the ECA	Yes
	<ul style="list-style-type: none"> Air from tipping floor is used as combustion air, destroying odours and maintaining negative pressure within receiving area. 	<ul style="list-style-type: none"> Required by Condition 8 (1) of the Environmental Compliance Approval Construction of tipping floor and combustion air system is complete and compliant with these requirements. 	Carried into the ECA	Yes
	<ul style="list-style-type: none"> Management of ash and residues using various measures to reduce ash emissions. 	<ul style="list-style-type: none"> Requirement of Condition 4 of the Environmental Compliance Approval. See Section 8.0 of the Design and Operation Report for additional details. 	Carried into the ECA	Yes

Relevant EA Section No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
		<ul style="list-style-type: none"> Storage of ash, and residues will be indoors on impervious surfaces with no drainage to outside the facility. Ash is transported to the ash storage building in enclosed conveyors. Bottom ash and fly ash handled separately. Building maintained under negative pressure and fully ventilated to a dust collection system. Loading of trucks occurs indoors with the doors closed. Fly ash is mixed with water, cement and pozzolan to render it non-hazardous and reduce dust. Bottom ash is immersed in quench water and retains 15-25% moisture content, reducing dust potential. 		
	<ul style="list-style-type: none"> Mitigation of vectors/vermin through pest/vector control. 	<ul style="list-style-type: none"> Requirement of Condition 8 (14) of the Environmental Compliance Approval. Noted in Section 13.5 of the Design and Operations Report and Condition 8(14). Pest/Vector control has been subcontracted to a qualified pest control company and monitored for effectiveness. 	Carried into the ECA	Yes
	<ul style="list-style-type: none"> Mitigation of litter through implementation of litter control program throughout the Site. 	<ul style="list-style-type: none"> Requirement of Condition 8(12) of the Environmental Compliance Approval. Site-wide litter collection daily as per Section 13.4 of the Design and Operations Report and Environmental Compliance Approval Condition 8(12). 	Carried into the ECA	Yes
	<ul style="list-style-type: none"> Some traffic control measures (traffic signals, loop ramps, etc.) may be required to the adjacent road network to address future traffic conditions in the CEBP. 	<ul style="list-style-type: none"> Requirement of Condition 8(10) of the Environmental Compliance Approval. Energy Drive and private truck access construction is complete, with all required off-site traffic controls. 	May 2015	Yes
	<ul style="list-style-type: none"> The Host Community Agreement between Durham and the Municipality of Clarington includes the Region assuming the cost of construction of Energy Drive from Courtice Road to Osborne Road to serve the CEBP. 	<ul style="list-style-type: none"> Host Community Agreement executed on February 18, 2010, includes this provision. The expropriation of the lands associated with the host community agreement requirements for the York Durham Energy Centre went before the Ontario Municipal Board. A settlement was reached July 27, 2015. Construction on the facility access road and Energy Drive has been completed. 	July 2015	Yes
	<ul style="list-style-type: none"> Soil testing for contaminants for a minimum of three years at which time its effectiveness will be evaluated (recommendation by Durham Region Medical Officer of Health, endorsed by both Regional Councils) 	<ul style="list-style-type: none"> Requirement of Condition 13 (4) of the Environmental Compliance Approval. Soil Testing plan submitted September 23, 2011 	Carried into the ECA	Yes

Relevant EA Section No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
		<ul style="list-style-type: none"> Revised Soil Testing Plan submitted to the MECP via letter dated October 5, 2012. MECP approval via letter dated March 15, 2013. Soils testing commenced in accordance with the approved plan. The first Soils Testing Report was completed and submitted November 19, 2013. Second (first operational year) Soils Testing Report was submitted on October 23, 2015. Third (second operational year) Soils Testing Report was submitted on November 3, 2016. Fourth (third operational year) Soils Testing Report was submitted on November 24, 2017. Soil testing was undertaken August 19, 2020, and the report was submitted to the MECP October 26, 2020. Soil testing was undertaken August 14, 2023, and the report was submitted November 9, 2023. 		
	<ul style="list-style-type: none"> Formation of a Thermal Treatment Facility Site Liaison Committee SLC for the operations period. 	<ul style="list-style-type: none"> In addition to the Advisory Committee described in Notice of Approval Condition 8, the Regions have formed an Integrated Waste Management Committee (Energy from Waste-Waste Management Advisory Committee) intended to address issues of concern to the local community. Required by ECA Condition 17. 	Carried into the ECA	Yes
	<ul style="list-style-type: none"> See construction above regarding development and implementation of a Community Relations Plan 	<ul style="list-style-type: none"> A requirement of the EA Notice of Approval [See Appendix A, Section 7 (Community Communications Plan)] Community Communications Plan was submitted to the MECP on September 18, 2013. MECP approval via letter dated September 30, 2013. 	September 18, 2013	Yes
	<ul style="list-style-type: none"> See construction above regarding development and implementation of a community complaints system for operations 	<ul style="list-style-type: none"> Appendix A, Complaint Protocol (Notice of Approval Condition 6 applies to construction, commissioning, and operations periods. Complaint Procedure is required by Condition 10 of the ECA. 	Carried into the ECA	Yes
Economic				
11.10	<ul style="list-style-type: none"> Establishment of a hazardous waste depot to serve the Municipality of Clarington residents. 	<ul style="list-style-type: none"> Establishment of the hazardous waste depot commenced when land expropriation for other Host Community Agreement commitments was completed, and the Certificates of Approval and Building Permit for the Durham York Energy Centre were issued. The Clarington Household Special Waste Facility was opened on October 22, 2019. 	October 22, 2019	Yes

Relevant EA Section No.	Requirement	Status Remarks	Actual or Estimated Completion Date	Complete?
11.10	<ul style="list-style-type: none"> Construction of Energy Drive from Courtice Road to Osborne Road to serve the Energy Park. 	<ul style="list-style-type: none"> Construction on the facility access road and Energy Drive is complete. 	May 2015	Yes
11.10	<ul style="list-style-type: none"> Construction of a SWM Facility to serve the Energy Park. 	<ul style="list-style-type: none"> Stormwater management requirements for the Energy Park will be assessed if and when development of the Energy Park proceeds. 	May 2015	Yes
11.10	<ul style="list-style-type: none"> Construction of a waterfront trail from Courtice Road to the eastern limit of the Durham property. 	<ul style="list-style-type: none"> Waterfront trail has been completed. 	2017	Yes
11.10	<ul style="list-style-type: none"> Transfer of 22 acres of surplus land adjacent to the Courtice WPCP to the Municipality of Clarington. 	<ul style="list-style-type: none"> The transfer of 22 acres of land to the Municipality of Clarington was completed on October 15, 2015. 	2015	Yes
11.10	<ul style="list-style-type: none"> Commencement of the EA for servicing the Clarington Science Park. 	<ul style="list-style-type: none"> An EA was filed on June 19, 2015, and the end of the review period was August 21, 2015. 	August 2015	Yes
Human Health and Ecological Risk				
	<ul style="list-style-type: none"> Refer to “Air Quality” above. 	<ul style="list-style-type: none"> Refer to “Air Quality” above. 	N/A	Yes

Appendix C

Advisory Committee Annual Report 2025

Durham York Energy Centre 2025 Compliance Monitoring Report – Appendix C

Meeting	Date	Time	Agenda Topic
EFWAC Meeting 21	December 26, 2024	To be held virtually 10:00-12:00 AM	<ul style="list-style-type: none"> • 2023 DYEC Annual Operations Report • Updates on: <ul style="list-style-type: none"> ○ Blue Box Transition Update / Business Improvement Areas Recycling Services ○ Enhanced Organics Program ○ Multi-residential Organics Program
EFWAC Meeting 22	June 27, 2025	To be held virtually 10:00-12:00 AM	<ul style="list-style-type: none"> • 2024 DYEC Annual Operations Report • Updates on: <ul style="list-style-type: none"> ○ Automated Cart Pilot ○ Multi Residential Organics Presentation

Meeting 21 Agenda

Advisory Committee Annual Report

If you require this information in an accessible format, please contact The Regional Municipality of Durham at 1-800-372-1102 ext. 3560.



Energy from Waste Advisory Committee (EFWAC) Agenda Meeting #21

**Friday, December 6, 2024
10 a.m. to noon**

**The Regional Municipality of Durham Headquarters Building
605 Rossland Road East, Whitby**

Please note: The Region of Durham continues to hold electronic meetings for Advisory Committees with limited in-person attendance at this time. Members of the public may [view the Committee meeting](#) via live streaming.

- 1. Welcome and Introductions**
- 2. [Durham York Energy Centre \(DYEC\) 2023 Annual Compliance Report \(ECA\)](#)**
The Project Team will respond to questions by EFWAC members regarding the DYEC 2023 Annual Compliance Report.
- 3. Updates**
 - a. Blue Box Transition Update / Business Improvement Areas Recycling Services
 - b. Enhanced Organics Program
 - c. Multi-residential Organics Program
- 4. Next Meeting**
Friday, June 27, 2025
- 5. Meeting Adjourns**

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Meeting 21 Minutes and Presentations

Advisory Committee Annual Report

If you require this information in an accessible format, please contact 1-800-372-1102 ext. 2195.



Energy from Waste Advisory Committee (EFWAC) Meeting #21

Date: Friday, December 6, 2024

Location: Microsoft Teams (virtual) from 10 a.m. to noon

Facilitator: Bruce Withrow, Meeting Facilitators International

Archive: Available at: <https://www.durham.video/>

Attendees: Please see page 13 of 13

The meeting of the EFWAC will meet the obligations as detailed under Section 8 of the Notice of Approval to proceed with the Undertaking. This meeting objective is to review the 2023 Durham York Energy Centre (DYEC) Annual Report as submitted in accordance with Condition 15(1) of the Environmental Compliance Approval (ECA) #7306-8FDKNX, which states the following:

By March 31st following the end of each operating year, the Owner shall prepare and submit to the District Manager and to the Advisory Committee, an Annual Report summarizing the operation of the Site covering the previous calendar year.

Durham York Energy Centre Environmental Compliance Approval Annual Report – 2023 (Annual Report)

1. It was requested that the Annual Report include page numbers for ease of reference going forward.
 - Staff will include page numbers in future Annual Reports.
2. It was questioned whether the description found under Section 8 regarding Soil Testing adequately assesses, represents, and informs members of what occurred in 2023, with additional consideration that the ECA Annual Report is presented on behalf of Reworld and Durham and York Regions.
 - Staff advised Reworld is not responsible for soil monitoring and that the Annual Report is intended to summarize 2023 facility operations. Additionally, the section summary provides for further details which are made available in the [supplementary soil report](#) for this program in year 2023.

3. With regard to the facility shutdowns (cold-iron outages) referenced under Section 11 regarding Operational Issues and Mitigation Measures and listed facility outages, it was questioned with only one major fall outage listed, if there was a previous outage event for spring maintenance in 2023.
 - Staff confirmed there were two major outages in 2023, the first in January and the second in November.
4. It was questioned the reason why the first outage was not included in the table found on electronic page 44 of the Annual Report, with consideration to the forthcoming increase in annual waste to be processed and the importance of the maintenance activities, related performance guarantee comparison and existing and future waste availability, and timing of the earlier outage. It was noted that a summary of all dates should be included per Section 15 of the ECA, which does not specify reporting outage type (e.g. cold iron), and concern that not all information is being reported.
 - In addition to the Fall Major Outage from November 4 to 20, the Spring Major Outage which occurred in January was not a cold-iron outage and included each boiler being taken offline for 16 days in sequence, not concurrently, with one boiler taken down followed by the next.
5. A member reiterated above concern regarding missing information from the table which lists 2023 outages and concern that not all necessary information is being included in the Annual Report. It was requested from staff that a commitment be made to identify all boiler down times in future annual reports, as well as advise whether staff will commit to issuing a corrected version of the Annual Report to address this matter.
 - Staff confirmed as the table captures cold-iron outages, unscheduled trips, no correction is required to be made in this Annual Report, however, staff will take under consideration the members' suggestions to review how outages may be best captured in future annual reports, per ECA guidelines.
6. With regard to the importance of soil monitoring being raised earlier and in relation to the exceedance of the Soil Standards recorded downwind (August 17 for Benzo(a)pyrene), Regarding elevated Dioxin Furan in soil sampling, staff were asked if Durham and York Regions would consider revising the Soil Testing Plan to identify a protocol to address this concern and include a related section in the Annual Report should such event(s) occur outlining implementation of such a protocol addressing health risk exceedances. Staff were also asked if consideration to performing more frequent testing would be made, and questioned how the Regions will address elevated Dioxin and Furan results.
 - Staff advised that ambient air measuring is not solely for the facility, and there isn't a method to determine all factors which are contributing to the measured results. The

Regions will continue to monitor to see if a trend is being established, acknowledging that due to the nature of soil composition the tests have previously experienced elevated results. Staff confirmed that at the appropriate time a plan would be created along with abatement activity, however, at this time there is no need for further action.

7. With consideration to the importance placed on the Soil Testing Plan during the HHERA, and where both soil sampling and ambient air monitoring occur at the same locations, regarding the increase since preconstruction levels to having more than doubled, the member noted it seemed inappropriate to not complete a soil test for another three years. Additional concern was raised that the results of both upwind and downwind stations, which are reaching historical ambient levels, were not referenced in the Annual Report. It was also requested that the process for soil testing be explained here to better understand the reason staff are advising it is not required to revisit the soil testing and monitoring schedule.
 - Staff advised soil receptors are captured within a sampling grid, and the testing and monitoring protocols are clearly identified in the [Soil Testing Plan](#). As referenced in the associated [Reports](#) issued every three years, testing results are below the highest levels recorded during pre-construction, and the parameters are well within the table limits for soil levels. There is a general awareness as to the potential sources impacting emission levels, which the Ministry of the Environment, Conservation and Parks (MECP) reviews, comments, and addresses on an as-required basis.
8. With regard to reducing the amount of processed waste at the DYEC and relying heavily on the success of the organics program, staff were asked to explain the decrease in Green Bin participation rates from 61 per cent participation in 2022 to 53 per cent in 2023 as reported in Durham's waste management curbside and multi-residential waste and Green Bin audit ([2023-INFO-96](#)).
 - Staff advised that province-wide, a 50 to 60 per cent participation rate in Green Bin programs is relatively normal. Durham recently created the Enhanced Green Bin Program making it easier for residents by expanding the number of acceptable items and subsidizing the purchase of additional Green Bins. Staff continue to promote the Program, noting that Green Bins have not been around for the same length of time as the Blue Bins and Durham also has a large rural area where many of these residents have site compost piles for agricultural activities, which challenges Green Bin set out in these areas. More recently, the Multi-Residential Organics Program was approved with more information forthcoming on this Agenda with a presentation by Angela Porteous.
9. Durham staff were asked of the impacts, if any, from the City of Oshawa and Town of Whitby not participating in Region-wide waste management Programs, additionally

questioning Oshawa and Whitby meeting participants the reason for the decision at the local levels.

- Staff identified the challenge of not having access to these materials, and that both local tiers were looking at respective solutions. Durham continues to share data with both local area municipalities.
 - The Whitby Representative advised they are reviewing direction from the MECP-issued policy statement regarding parameters of program implementation, with additional information forthcoming. Due to a conflict in timing when Durham Region's contract was being tendered and Whitby was reporting to their Council, among other factors including expiry of existing contracts, it is anticipated that it will be built into the next front-end contract with pricing to be identified, and tendered for start in Fall 2026.
 - The Oshawa Representative advised they are currently in the planning phase with no additional updates at this time.
 - Staff were questioned as to the reason why the bar graph in Section 5.6 of the Annual Report regarding Long-Term Dioxin and Furan Sampling System (LTSS) AMESA shows a 12-month rolling average in 2023, however, no AMESA results were recorded in November and December as detailed in the DYEC Long-Term Sampling System Q4 Report (October 2023-January 2024) for Boiler 1. It was noted that while it is captured in the text in the graph of the Annual Report, it should also be referenced below the bar graph the missing AMESA results for Dioxins and Furans monitoring.
10. In follow up to above, it was noted that other locations do not invalidate data. When data is not made available for two months starting November 4 concern the AMESA system is malfunctioning which prompts the need for transparency, and that all underlying reports and data sheets should be made publicly available to determine what may be happening. It was also noted that the LTSS (AMESA) quarterly reports that are produced are not sufficient as they do not include the associated reports, making it impossible for the public to determine what taking place. Mention of the priority to measure concentration and stack test, and further that reporting needs to include the duration of these tests over a period of one year, and that in comparing the data reported in the Q3 LTSS report, AMESA calculated results were high (55 pg TEQ/Rm3) which doesn't translate into the same information provided in the graph included in the Annual Report—it is not a complete picture. It was requested whether staff would consider including the additional data made available for the year, for more accurate context to report on the duration of the tests over that one-year period.

Additional clarification regarding reference to other systems without the issue of invalidated data was provided, including reading the [ToxicoWatch](#), the Harris Report,

noting while the AMESA data sheets help explain certain issues, it doesn't account for entire months being invalidated. It was mentioned, more broadly, the European Union is requiring the inclusion of Best Available Techniques (BAT) and further regulating long-term sampling systems BAT emission levels by applying associated compliance limits (to stack tests); while France sets data recovery rates required for LTSS.

- Staff will review and investigate references to specific locations identified that don't experience issues with data invalidation including any additional locations provided post-meeting but that the system is being operated in accordance with the facility operating plans.
11. With consideration to Durham Region's continued efforts to address Climate Change in communities, it was asked in relation to any facilities that are classified as 'emitters' for comments regarding the DYEC's CO₂ emission levels.
- Staff advised that facility reporting is done at a provincial level and also captured in Durham Region's Annual Climate Change Progress Reports, acknowledging challenges with emissions from the waste industry which includes the DYEC, landfills, etc. For this reason, programs are in place to ensure that materials, given their total lifecycle, are diverted from the waste stream, which is currently the best of the available options. Continued reporting on landfills is anticipated for another 10 to 20 plus years, as these are still a significant source of emissions, and practices around solid waste and collection are continuously reviewed to identify further improvements.
12. Staff were asked with regard to differing waste generation rates reported between Durham and York Regions, with York Region rates much lower, if there is any intention to standardize reporting in order to be able to directly compare each Region's rates, or whether staff from each Region, as DYEC Owners, could respond in a similar manner in order to better identify what is included and how it is being calculated, as it relates providing respective data for tonnage going into the facility.
- Staff advised that reporting is not standardized across municipalities and with the loss of Datacall reporting with the implementation of Extended Producer Responsibility (EPR), municipalities are losing access to that data. Priorities differ between Durham and York Regions which may impact reporting; however, the Owners can take this under advisement and also address any follow up questions to the Regions' responses issued regarding respective waste generation rates. Any future province-wide reporting program would also need to be identified by the province.
13. With consideration to facility trends, staff were asked about Greenhouse Gas (GHG) emissions and the DYEC.

- Staff advised UNFCCC methodology recently changed, biogenic and non-biogenic with material composition variations, to determine contribution of CO₂ emission measurements with GHG emissions trending upward over the last few years. This doesn't mean it is worse, but instead identifies a change in the waste that is being generated. The rise in GHG emissions most notably occurred during the pandemic with the increased disposal of personal protective equipment (PPE) and plastics, the affordability crisis which followed, and as organics programs shift in and out which drive up CO₂. This trend is found to be consistent across municipalities in Ontario.

Durham Region Waste Management Services Program Update Presentation

Angela Porteous, Supervisor, Waste Operations, the Regional Municipality of Durham (Durham Region), provided a Program Update on Durham's waste management services.

Blue Box Transition Update and Business Improvement Area (BIA) Recycling Services 2026

Durham Region transitioned on July 1, 2024, with Circular Materials Ontario (CMO) taking over responsibility of the Blue Box for Durham's residents, with no change in service levels. CMO continues to use the same collection contractors throughout Durham with GFL in Oshawa and Whitby, and Miller Waste in the remaining six local area municipalities. Replacements and new boxes are being directed to GFL and Miller Waste, and continued updates on the transition are being communicated to Durham residents, in agreement with and on behalf of CMO during the transition by Durham Region. For a short period, a supply shortage was experienced, and Durham Region's inventory is also now since depleted. Residents are still able to access information online, in schools, and on the Know Before You Throw App at this time, which will continue until the transition deadline of December 31, 2025, during the province-wide rollout. However, as of January 2026, Durham Region will no longer have any involvement, and any possible future involvement will need to be determined after that time. In accordance with current provincial regulations, CMO, as owner, may make changes to the program and are looking to create a province-wide list of common items, with additional materials to be included, and will review single or dual-stream and collection day changes.

Durham Region will continue to service the BIA across Durham until December 31, 2025, after which time, as the MECP's regulation for Extended Producer Responsibility it does not fall under CMO's responsibility and will cease. Along with other municipalities, Durham Region is in communication with the province regarding concern around this matter, as it is currently unknown what will transpire in future iterations of the regulation. Using planned and targeted communication, Durham Region strives to ensure Durham's BIA are made aware of the timing for current program end.

-end of first presentation-

The following discussion ensued:

- Staff advised Durham Region will continue to monitor and advocate for recycling materials to be sorted and sent to correct locations for appropriate processing.
- Staff noted from a DYEC perspective, there will be no residues from Material Recovery Facility tonnages, however, tonnage may start to decrease in the future. Staff clarified in response to a question, that there is a concern that businesses may dispose of recycling in the waste stream if recycling is no longer an available option, or businesses may add to either the Green Bin or black garbage bag which may also include those residents who reside below a business, as example.
- Staff mentioned concern that it will be harder for residents to recycle, bringing attention to concern of institutional, commercial and industrial (IC&I) waste.
- Staff confirmed there are approximately 3,500 businesses within the BIAs and downtowns, which produces a relatively small amount of tonnage to the DYEC and is rated by stops and addresses, not separate loads.
- Staff advised, with regard to a question referencing York Region's Annual Waste Diversion Report and the section on transitioning of the Blue Box Program, there is push back on the five additional identified items, however, the Extended Producer Responsibility Act of 2022 includes the acceptance of plastic cutlery, flexible plastic pouches, beverage cups, plastic bags, and polystyrene foam, for which companies must implement policies for the proper management of this waste which will start to be accepted in January 2026.
- Staff advised that separately, they would provide an alternate CMO contact for Whitby's Representative to reach out to discuss Whitby's questions around new locations, multi-residential and private laneways. Durham Region staff confirmed that for buildings that are not eligible for services, such as apartments, CMO is expected to be going into these sites starting in 2026.

Enhanced Organics Program

Durham Region launched the Green Bin Program for curbside collection in 2006, with a 30 per cent diversion rate at the time and a goal to meet 51 per cent. By 2008, this goal was surpassed, and Durham increased the new goal to a 70 per cent diversion rate which remains in effect today. Since its inception, the Green Bin Program has been very successful at keeping food waste out of the black garbage bag. Durham Region had been looking at how to remove additional organics from waste, and as of July 1, 2024, the implementation of the Enhanced Program allowed residents to include diapers, pet waste, pet litter, and

incontinence products in their Green Bins for weekly collection to be processed by anaerobic digestion at a contracted third-party facility creating renewable natural gas and digestate. With only four months of Enhanced Green Bin Program-specific data, Durham Region has identified a 12 per cent increase in organics diversion, year-over-year, compared to this time last year, and continues to track data. Durham Region has also offered a subsidized bin to residents at a cost of \$10 from \$18 until December 31, improved the sales program to provide an online order system, in addition to walk-in service, where bins will be delivered between five to ten days to a resident's door by courier, and plans to continue to promote this new Program into 2025 to include any new developments to the Enhanced Green Bin Program to ensure residents are made aware of the Program's opportunities. The leaf and yard waste continues to be processed by aerobic digestion under a different vendor contract.

-end of second presentation-

The following discussion ensued:

- Staff advised, in response to a question regarding energy and renewable output, the grade of compost and application of end use including land type, that the material is certified by the Canadian Food Inspection Agency (CFIA) and is used on agricultural lands in the vicinity of the facility.
- Staff confirmed, in response to a question regarding specifications for levels required for application on agricultural land, noting concern for plastic and metal contamination, that testing is performed to verify no long-term buildup of metal along with an advanced system for removal of contaminants before material is put into the digesters.
- Staff responded, with regard to a question about the amount of tonnage that is screened out such as cat litter and plastic residue, to advise that this value is not accounted for as it is processed by a third-party using other contractors' materials which doesn't provide for determining what would be attributable to Durham versus other operations.
- Staff confirmed, with consideration to a comment that having to move and pay for a lot of tonnage to be screened, etc. whether Durham Region will consider collecting only cat feces and not the litter being that only the feces is the organic material, that with regard to litter, it is dependent on the type of litter residents use with a number of options now available, however, not at this time as part of the service level to drive odorous materials into one stream, maintain costs, and increase participation in the Enhanced Program, collected materials from the curbside are processed at one site.

Multi-Residential Organics Program

This is a forthcoming program to be implemented July 1, 2025, for which Durham Region has now received Council approval to move forward with contracting the service to Miller Waste

at multi-residential buildings where Durham Region collects waste for 124 properties and approximately 10,000 units. The City of Oshawa and Town of Whitby will be providing their own services.

Staff are currently working on a one-year implementation plan, unique to Durham needs, which will include a phased-in approach with extensive promotion and education for both residents and property managers, having assessed all Regionally serviced buildings last year. From the assessment, staff found that 64 per cent of the multi-residential properties were ready to implement an organics program and will start right away (as of July 1, 2025), with 32 per cent of buildings needing only minor changes with a requirement to follow at a later time during the implementation period, and only four per cent needing major changes and who will be phased in last.

Program participation will be mandatory, not voluntary, in order to receive Regional services with the [Waste Management By-law](#) having been updated as of July 1, 2024 to reflect all program changes, including consideration to requirements for future builds for multi-residential buildings, and in order to meet Durham Region's obligations under the [Food and Organic Waste Policy Statement](#).

-end of third presentation-

The following discussion ensued:

- Staff confirmed, in response to whether it is mandatory for existing builds and current design standards and will be enforced, that once the Program is rolled out, it is the intention that each site receiving Regional services must comply.
- Staff clarified, in response to whether it is applicable to all new builds or those requesting Regional services, that for any multi-residential building requesting Regional services will need to meet all requirements of the Program and for those not participating and/or denied Regional services will need to seek private collection. Further, all applications processed via Durham Region's Development Approvals must meet all Program requirements.
- Staff noted that under regulations for multi-residential buildings, there exists a grey area whether waste is considered institutional, commercial and industrial (IC&I) or residential. Property/building managers are not mandated by Durham Region to participate in this Program and can opt out at any time, and a few have. Durham Region offers to provide diversion services and is quickly catching up to existing multi-residential standards in other municipalities/regions and continues to work with property/building managers and developers to ensure long-term service opportunities with many residents looking to see diversion services in current and future buildings.

Roundtable

14. Regarding Section 5.5 for Source Testing, it was recently noticed that the reports posted online do not include referenced Consultant reports to identify who was present and reviewed the Source Test. For example, in Sub-Section 5.5.2 of the Annual Report, it does not mention that Dioxins and Furans testing was not completed concurrently due to boiler issues, however, reference in future separate reports, such as those included in Durham's Council Information Packages (CIPs), provide information that during the same Source Test, testing of Dioxins and Furans was stopped part way through, coming out of steady state, and then results were combined to form the required four hours between start and stop. Staff were asked if the additional Consultant reports that have been included in subsequent CIPs are submitted to the MECP with the Source Test Reports, and will staff in future Source Test Reports also include Consultant reports for this group, with consideration to the information being valuable in addition to identifying the number of times during operations that the boilers are deviating from steady state.
- Staff reviewed the differences between the submissions to the MECP and to Durham Region Council, advising that the MECP are aware of the reporting that is provided to Council. Staff will consider the request for inclusion of the supplemental reporting information. In terms of operations, process requirements are defined under the Source Testing Code as to how the facility is operated which includes being unable to back off that rate in order to add natural gas, which from an emissions point is slowing down and the Source Test needs to be at full load. The Ontario Source Testing Code is issued by the MECP, and the testing methodology prepared by the Consultant was approved by the MECP. Often, MECP staff are on site during the source tests.
15. Staff were asked to identify where in the Code reference was made that allowed two pieces of the test to be patched together.
- It was confirmed that the facility must be at full load with deviation being at the Source Test discretion, which is how the facility gets back to steady state.
16. Staff were asked to confirm the timing of when the ECA amendment application would be filed, and asked in the interest of transparency, that this ECA application be posted online for members to review and monitor.
- Staff advised submission would not occur until the new year (2025) and as studies need to be completed, timing had not yet been determined.
17. Staff were questioned about the approvals and permits required by the Regions to proceed with the increase to 160,000 tonnes of processed waste per year, from 140,000 tonnes, and asked, since the last public information centre was held during the initial

Environmental Assessment in 2019, if staff would be agreeable to posting the EBR online even though it is not a requirement.

- Staff advised the file was out for consultation during 2021, submission of the screening report is complete, and that posting beyond that would be at the MECP's direction.
18. Acknowledgement that all interested public parties need access to view the applications and supporting documents to view what will be submitted, staff were asked if they would be posting the ECA application and backup documents on the project website, making reference to public comments in 2011 and additional reference to the hard copies that were made available to the members of the public by direction of Durham Council at that time, mentioning that posting online would not be difficult and considered basic transparency.
- Staff confirmed the updated Emission Summary and Dispersion Modelling (ESDM) will be reported, and further direction would be required by the MECP in this regard.
19. Staff were requested, further to reporting completed in 2009 specific to processing 140,000 tonnes of waste per year and subsequent reporting completed in 2021 identifying small variations, with consideration to the rise in GHG emissions, and well beyond what is predicted for both 140,000 and 160,000 tonnes and the impacts to changes in materials processed, to include GHG data to the report as part of the facility's story, while also noting the need to update the lifecycle analysis completed in 2007, to ensure current data informs way forward.
- Staff will take this under advisement, reiterating Durham's report includes the GHG emissions relating to the facility.
20. It was requested that as this meeting occurs only once per year, and with regard to the number of questions still to be asked and responded to, that consideration be made to scheduling future meetings for three hours.
- Staff advised they are conscious of time and quorum.
 - **The next scheduled meeting (virtual) will be held on Friday, June 27, 2025 at 10 a.m.**

Meeting adjourned.

Enclosed: December 2024 Program Update - A. Porteous, Supervisor, Waste Operations, Waste Management Services, The Regional Municipality of Durham

Meeting attendees:

- A. Evans, Director, Waste Management Services, The Regional Municipality of Durham (member)
- M. Fareed, Contract Management Engineer, Waste Management, The Regional Municipality of York (alternate)
- L. Akeson, Manager, Waste Services, Town of Whitby (member)
- J. Bishop, Manager, Waste Services, City of Oshawa (alternate)
- C. Jones, Director, Planning Regulation, Central Lake Ontario Conservation Authority (member)
- L. Gasser, Zero Waste for Zero Burning (member)
- W. Bracken, Durham Environment Watch (alternate)
- N. Ratnasingam, Climate Change Response Coordinator, Municipality of Clarington (member)
- B. Withrow, Facilitator, Meeting Facilitators International
- A. Porteous, Supervisor, Waste Operations, The Regional Municipality of Durham (guest)
- B. Parayankuzhiyil, DYEC Facility Manager, Reworld
- S. Kaur, Environmental Specialist, Reworld
- K. Ching, Supervisor, Technical Operations, Waste Management, York Region
- R. Jagannathan, Commissioner, Works, The Regional Municipality of Durham
- L. Saha, Manager, Waste Services, The Regional Municipality of Durham
- K. Dykman, Supervisor, Waste Services, The Regional Municipality of Durham
- N. Williams, Project Manager, Waste Services, The Regional Municipality of Durham
- L. Waller, Works Technician, Waste Management Services, The Regional Municipality of Durham
- R. McCormick, Works Technician, Waste Management Services, The Regional Municipality of Durham
- M. Smart, Administrative Assistant, Works Department, The Regional Municipality of Durham
- R. Inacio, Corporate Services – Information Technology, The Regional Municipality of Durham



Program Update

Energy from Waste Advisory Committee

December 6, 2024

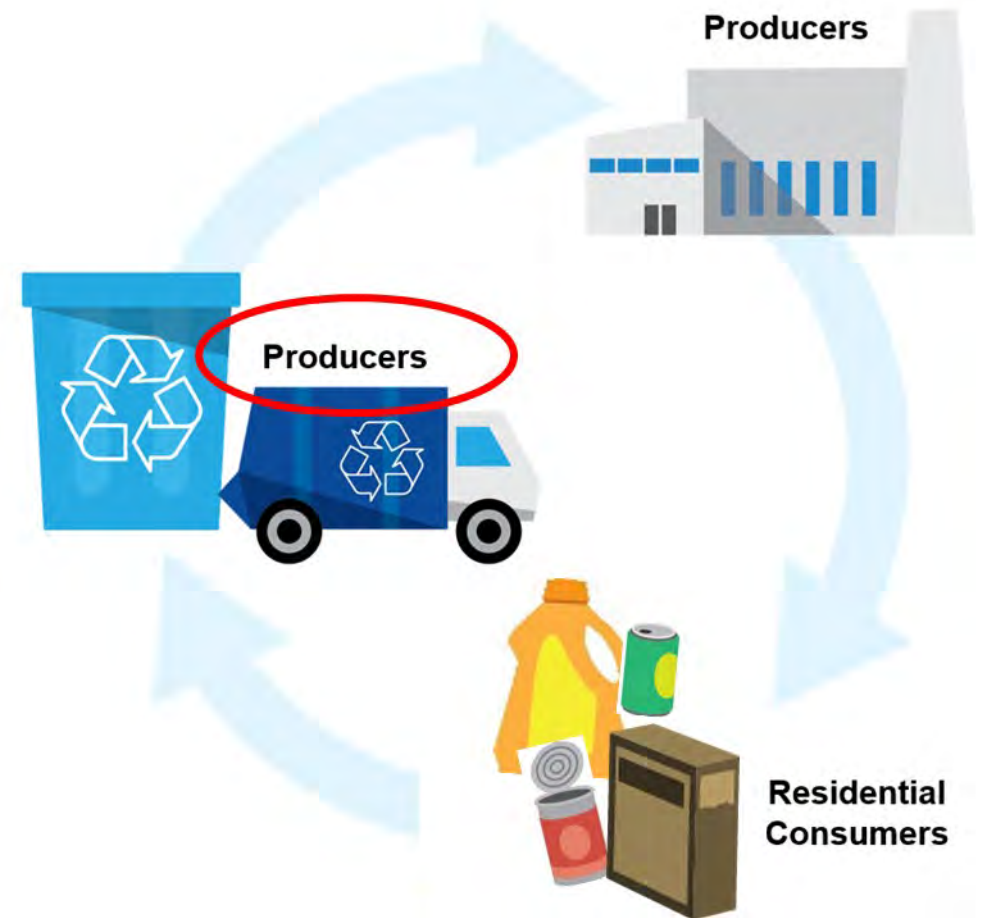


Agenda

- Blue Box Transition update
- BIA recycling services 2026
- Enhanced Organics Program
- Multi-residential Organics Program

Blue Box Transition Update

- Blue Box responsibility was transferred to Circular Materials Ontario on July 1, 2024.
- Service levels have been maintained.
- Continue to work with CMO to ensure their contractors are providing new residents with blue boxes and replacing broken blue boxes.
- The Region's Blue Box and lid inventory has been distributed – no longer available for purchase or exchange at Region locations.





Blue Box Transition Communication to Residents

The Region continues to promote the blue box to residents.

- Starting July 1, 2024, the producers of the paper and packaging collected in the Blue Box are responsible for collecting, processing and marketing the material.
- Additional program changes may take place starting 2026, including:
 - A common list of accepted materials across Ontario
 - Additional materials in the Blue Box
 - Possible collection day change
 - Possible collection container change (carts)
- No changes at the curb until January 2026 at the earliest.



Blue Box Collection in Business Improvement Areas (BIAs)

- After full transition (December 31, 2025), BIAs will no longer be serviced by CMO, and the Region will not be providing the service due to cost/loss of economy of scale.
- The Region has sent a letter to the MECP requesting that the opportunity to provide Blue Box collection to BIAs be continued and we are participating in lobbying efforts through AMO.
- Communication to impacted businesses has gone out through InvestDurham social channels, and additional targeted communication is planned.



Enhanced Green Bin

- The Enhanced Green Bin launched on July 1, 2025.
- Diapers, pet waste, menstrual and incontinence products can all be placed in the Green Bin for weekly collection.
- The Region contracts with a third party for anaerobic digestion of the green bin organics allowing for the removal of more plastics associated with a dirtier organic stream.
- End-products include renewable natural gas and digestate.



Enhanced Green Bin



- Preliminary data indicates a 12% percent increase in organics diversion compared to 2023.
- The Region is offering a \$10 subsidized Green Bin until the end of 2024 – one bin per household. Order on-line for home delivery.
- Promotion of the Enhanced Green Bin will continue in 2025 to continue to grow the program.

Enhanced Green Bin

- Seasonal leaf and yard waste collected from residents continues to be aerobically composted.
- Annual compost giveaways will continue with compost generated from the leaf and yard waste program.



Multi-residential Organics Program

- Council approved awarding contract to Miller Waste at multi-residential buildings where the Region also collects waste. Oshawa and Whitby will pursue alternate MR organics collection options.
- The Region currently services 124 properties containing 9,148 units.
- Target date for launching the multi-residential organics program is June 1, 2025, with a one-year phase in period.
- Extensive promotion and education for residents and building/property managers is planned.



Multi-residential Organics Program

- The Region has assessed building “readiness”
 - Green – 64% of buildings are ready to implement on day 1
 - Yellow – 32% of buildings need minor effort to be ready to implement
 - Red – 4% of buildings need more extensive effort to be ready to implement
- The one-year phase-in will start with Green, then Yellow and finally Red.
- Implementation is a team approach with 311 staff, waste staff, by-law and the contractor.



Multi-residential Organics Program

- The multi-residential organics program will allow the Region to meet its obligations under the Food and Organic Waste Policy Statement.
- Participation in the source separated organics program will be a requirement for receiving Region garbage collection.
- The development approval process already reflects this requirement.





Questions/Discussion

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Meeting 22 Agenda

Advisory Committee Annual Report

If you require this information in an accessible format, please contact The Regional Municipality of Durham at 1-800-372-1102 ext. 2195.



Energy from Waste Advisory Committee (EFWAC) Agenda Meeting #22

**Friday, June 27, 2025
10:00 a.m. to 12:00 p.m.**

**The Regional Municipality of Durham Headquarters Building
605 Rossland Road East, Whitby**

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- 1. Welcome and Introductions**
 - 2. [Durham York Energy Centre \(DYEC\) 2024 Annual Compliance Report \(ECA\)](#)**
The Project Team will respond to questions by EFWAC members regarding the DYEC 2024 Annual Compliance Report.
 - 3. Updates**
 - a. Automated Cart Pilot
 - b. Multi Residential Organics Presentation
 - 4. Next Meeting – June 26, 2026**
 - 5. Meeting Adjourns**
-

Notice regarding collection, use and disclosure of personal information:

Written information (either paper or electronic) that you send to Durham Regional Council or Committees, including home address, phone numbers and email addresses, will become part of the public record. This also includes oral submissions at meetings. If you have any questions about the collection of information, please contact the Regional Clerk/Director of Legislative Services.

Meeting 22 Minutes and Presentations

Advisory Committee Annual Report

The minutes from meeting 22 will be made available and posted to the website after the meeting is held and comments from the committee have been addressed.

If you require this information in an accessible format, please contact 1-800-372-1102 ext. 2195.



Energy from Waste Advisory Committee (EFWAC) Meeting #22

Date: Friday, June 27, 2025

Location: Microsoft Teams (virtual) from 10 a.m. to 12:00 p.m.

Facilitator: Bruce Withrow, Meeting Facilitators International

Archive: Available at: <https://www.durham.video/>

Attendees: Please see pages 6 and 7

The meeting of the EFWAC will meet the obligations as detailed under Section 8 of the Notice of Approval to proceed with the Undertaking. This meeting objective is to review the 2024 Durham York Energy Centre (DYEC) Annual Report as submitted in accordance with Condition 15(1) of the Environmental Compliance Approval (ECA) #7306-8FDKNX, which states the following:

By March 31 following the end of each operating year, the Owner shall prepare and submit to the District Manager and to the Advisory Committee, an Annual Report summarizing the operation of the Site covering the previous calendar year.

Durham York Energy Centre Environmental Compliance Approval Annual Report – 2024 (Annual Report)

1. The topic was raised of Green House Gas (GHG) admissions.
 - Staff continue to report to the Ontario and Canada regulations. The provincial database becomes available when the province posts it. These emissions are also report to Council.
2. It was questioned if Durham produces annual climate change reports. It was suggested GHG emissions be included in the annual report.
 - Staff confirmed the DYEC does report directly to the Ministry. Since the contractor has undergone staffing changes, there have not been any new developments on how we will report the Green House Gas emissions outside of the Ministry reports.
3. Staff were asked to share GHG emissions in 2024.

- Numbers were shared by staff during the meeting
4. [Link to the Annual Groundwater and Surface Water Monitoring Report](#) was shared with attendees.
 5. It was questioned how the slip is arrived at in terms of the total vs reported amounts as Carbon Dioxide is included under Carbon Reporting. Also questioned is how biogenic vs non-biogenic is analysed by air sampling.
 - These amounts are collected quarterly via samples and sent to a lab for analysis.
 6. It was questioned if the reported quarterly amounts are annual sample amounts based on an average.
 - Reworld completes the sampling, and it is averaged over the year, they are submitted both provincially and federally.
 7. For 2023 NPRI data, emissions have gone down in 2022-2023 from the pandemic years. Questions raised on the non-biogenic going down in 2023 from 2022 and how the waste stream has changed to impact this.
 - Staff report that lots of PPE and single use plastics being used in 2022 vs 2023. The results are based on samples (observed), while there is also a periodic test done for carbon sampling.
 - Enhanced Green Bin started July 1, 2024, from then onward, organics captured increased which leads to more non-biogenic waste being burned. As organic waste is removed from the stream, we would see an increase in the fraction of non-biogenic waste but less waste overall.
 8. A voluntary Source Test was completed between Dec 2-5, 2024.
 - Staff confirmed that Reworld produces the final schedules with the Source Testing firm. The consultants did review the plant data and source test results with the plant manager.
 9. Question raised why only two of three runs of testing were completed on Unit 2.
 - Staff confirmed test results are always submitted to the Ministry, so if there were questions regarding code, questions should be directed to the Ministry.
 - Staff confirmed the Feed chute in Unit 2 was replaced in Spring 2025, and has had significantly improved feed, reliability and operations stability. The Feed chute was replaced in March and has been in service since early April 2025.

10. It was questioned why while repairs for Feed chute started in December 2024, page 44 of report, there is no outage shown for December.

- Staff confirmed the ECA condition is looking for uncontrolled shutdowns (utility trips, as well as the two major outages). Operations do not plan to include all feed stops.

11. Is the unit up and operating 90% of the time as agreed to

- Enforcement of contract including delegation has been uploaded to staff.
- The facility has reached its permit limits consistently in terms of material permitted to be processed.

12. It was questioned if the rolling average for AMESA reporting is being done.

- Staff confirmed Reworld prepares this calculation. AMESA is sampling while the process is ongoing. There may be fluctuations in data from one month to another.

- end of discussion -

Durham Region Waste Management Services Program Update Presentation

Angela Porteous, Supervisor, Waste Operations, the Regional Municipality of Durham (Durham Region), provided a Program Update on Durham's waste management services.

Automated Cart Pilot

- The Region has been investigating and will be rolling out carts across the Region over the next 5 years with the exception of Whitby and Oshawa.
- Durham Region conducted a pilot in 2024 in Scugog and Ajax, it was intended to end in Spring 2025 but has been extended.
- Benefits of the Automated Cart Collection are:
 - One truck and one operator can complete the collection route vs. one truck and two operators with manual collection
 - Overall faster waste collection
 - Significantly improved operator health and safety and operator retention – no repetition, no heavy lifting
 - Improved ergonomics and accessibility for residents
 - Reduced wind-blown litter

- Staff presented the Pilot results to Council in March with the recommendation that collection contracts transition to automated collection when re-tendered.
- The next contract for Clarington and Townships of Brock, Scugog, and Uxbridge starts April 2028.
- The next contract for Pickering and Ajax starts April 2030.

-end of first presentation-

The following discussion ensued:

1. There was concern expressed about the container's vs clear bags and what residents are putting in their garbage.
- Staff confirmed organics carts will be over 2 times larger than the standard. There is no limit to these carts. For garbage, there is more than one size option for the carts. Large carts hold 4 bags (residential bi-weekly limit). There will be provisions in the contract that allow for smaller carts. Regardless of the colour of the bag, the cart will be used to hold the garbage. Families with 3 children under 3 or those with medical needs have been given an exemption to receive free garbage tags; we have not seen use of these since the enhanced green bin came into play.
 - There are options for cameras in the trucks that can monitor contamination, and the bylaw team continues to monitor proactively.

Multi-Residential Organics Program

- Launched June 3 in approximately 81 buildings. First collection was completed June 10.
- Work has been ongoing with property managers and building owners to communicate program parameters.
- Approximately 200 buildings outside of Oshawa and Whitby will eventually receive organics collection.
- Phase 1 is approximately 50% implemented - full implementation completed in July 2025. These are the 'green' ready to go buildings (Approx. 80).
- Phase 2 implementation will start in August/September 2025. These are the 'yellow' minor modifications needed buildings (Approx. 35).
- Phase 3 implementation will start in 2026. These are the 'red' difficult to implement buildings (Approx. 10 - 12).

-end of second presentation-

The following discussion ensued:

1. It was raised that staff produced a report in 2025 regarding curbside collection updates.
 - Staff reported that a 3-5% decrease has been noted (2023 vs 2024 numbers). This will be monitored over time to see long term decreases as residents adopt to using it. We are looking at improvement over time, not immediate.

Roundtable

1. It was suggested to revise the ToR to allow for questions and resolutions. Since concerns are raised, but there is no quorum, the committee cannot vote on issues brought forward as there is not quorum to conduct business.
 - Quorum has not been met in 6-years, which questions the appropriateness of the committee.
 - The public has the option to bring forward questions to Council and committee via the appropriate channels.
 - Works Department will review these concerns and Legislation services will provide input.
2. A request was relayed to review the EFWAC Meeting procedures at the next meeting to improve the process for the group.
 - This committee has unique aspects, but it is laid out within the EA condition. Staff will review how this can be improved in the future.
 - It was questioned how the facility controls tonnage coming in from York and Durham.
 - Staff acknowledge tonnage at the facility fluctuates based on generation rates, and logistical challenges.
3. It was mentioned on report page 36, table 13, it shows the summary of ambient air exceedances at Courtice Road and Rundle Road, reflecting higher exceedances of sulfur dioxide on Courtice Road. It was questioned why there is there such discrepancy between the two monitoring stations.
 - Staff believe that there is interference on the ventilation system for a chemical storage area at the water pollution control plant on Courtice Road that is being investigated. This station may ultimately be relocated as a result. Staff continue to monitor and identify trends with our partners.

- Durham staff have discussed with the Ministry and water pollution control plant to lessen the extent of these emissions via filters and operational changes with the ventilation system. Durham staff will continue to monitor the emissions.
- **The next scheduled meeting will be held on Friday, June 26, 2026 at 10 a.m.**

Meeting adjourned 12:05 p.m.

Enclosed: June 2025 Program Update - A. Porteous, Supervisor, Waste Operations,
Waste Management Services, The Regional Municipality of Durham

Meeting attendees:

- A. Evans, Director, Waste Management Services, The Regional Municipality of Durham (member)
- L. Milne, Director Waste Management Forestry, The Regional Municipality of York (member)
- R. Frasca, Manager, Public Works, Scugog (member)
- A. Culter, Waste Management Coordinator, Town of Aurora (member)
- W. Bracken, Durham Environment Watch (alternate)
- R. McCormick, Sr. Waste Technologies, City of Oshawa (alternate)
- N. Ratnasingam, Climate Change Response Coordinator, Municipality of Clarington (member)
- C. Jones, Director, Planning Regulation, Central Lake Ontario Conservation Authority (member)
- S. Mensour, Waste Service Coordinator, Town of Whitby (member)
- L. Gasser, Zero Waste for Zero Burning (member)
- M. Farid, Contract Management Engineer, Waste Management, The Regional Municipality of York (alternate)
- J. Bishop, Manager, Waste Services, City of Oshawa (alternate)
- D. Anderson, DurhamCLEAR (member) – joined 10:38 a.m.
- B. Withrow, Facilitator, Meeting Facilitators International
- A. Porteous, Supervisor, Waste Operations, The Regional Municipality of Durham (guest)
- N. Victor, DYEC Facility Manager, Reworld
- S. Kaur, Environmental Specialist, Reworld
- K. Ching, Supervisor, Technical Operations, Waste Management, The Regional Municipality of York
- R. Jagannathan, Commissioner, Works, The Regional Municipality of Durham
- L. Saha, Manager, Waste Services, The Regional Municipality of Durham
- N. Williams, Project Manager, Waste Services, The Regional Municipality of Durham
- L. Waller, Works Technician, Waste Management Services, The Regional Municipality of Durham
- P. Ehidiamhen, Works Technician, The Regional Municipality of Durham

K. Crouse, Administrative Assistant, Works Department, The Regional Municipality of Durham

R. Inacio, Corporate Services – Information Technology, The Regional Municipality of Durham



Automated Carts and Multi-residential Organics

Energy from Waste Advisory Committee

June 27, 2025

What Is Automated Cart Waste Collection

- Automated Cart Waste Collection uses two-wheeled carts that can be picked up and emptied into collection vehicles using automated grapple 'arms' (fully automated) or using tipping devices on the back of collection vehicles (semi-automated).
- Carts can be used for garbage, organics or blue box materials*.
- The Region conducted an automated cart collection pilot for garbage in Ajax and Scugog starting in 2024 and ending in April 2025.
- Significant and growing number of municipalities are moving to this style of collection across Ontario.



*No longer a Regional responsibility

Automated Cart Collection in Action



Benefits of Automated Collection

- One truck and one operator can complete the collection route vs. one truck and two operators with manual collection.
- Overall faster waste collection.
- Significantly improved operator health and safety and operator retention – no repetition, no heavy lifting.
- Improved ergonomics and accessibility for residents.
- Reduced wind-blown litter.



Automated Collection Pilot Results

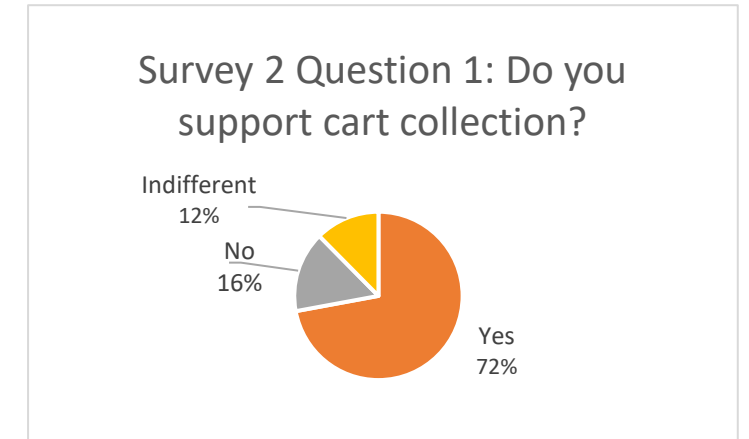
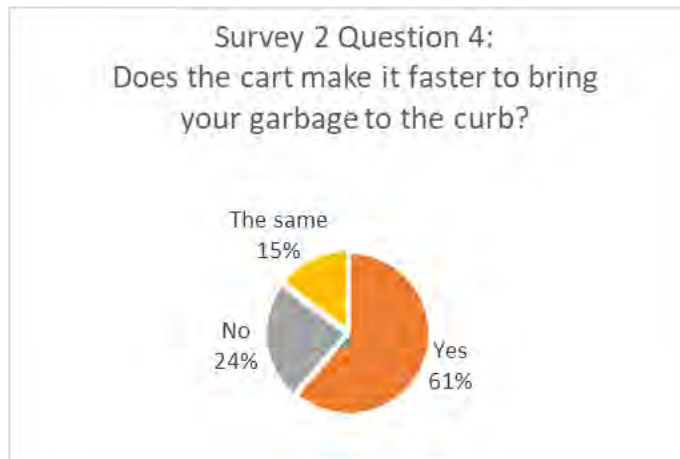
Time Efficiency – 43% increase in number of homes collected per hour in Ajax (urban)
– No change in Scugog (rural).

Health and Safety – No driver injuries during collection pilot.

Wind-blown litter – Residents reported reduced litter during pilot.

Resident Satisfaction – after initial adjustment:

- 76% of residents reported carts were faster or the same to use (one trip to curb vs. multiple trips with more than one garbage bag).
- 76% of residents reported cart was easier or the same to use as garbage bags.
- 84% supported or were indifferent with cart collection.
- 98% participation rate.



Health and Safety - Automated vs Manual Collection

- Waste collection is a physically demanding job with high injury and significant fatality rates.
- January to December 2024 injury comparison between comparable existing automated cart collection program and Durham manual waste collection, both operated by same contractor:
 - Automated truck collector injury rate was 1 injury/50 trucks.
 - Manual truck collector injury rate was 1 injury/2 trucks.
- Common injuries with manual collection include cuts, slips, trips, strains, sprains, pinches, overexertion, exposure to heat and cold.



[This Photo by Unknown A](#)





Council Direction

- Staff presented the Pilot results to Council in March with the recommendation that collection contracts transition to automated collection when re-tendered.
 - The next contract for Clarington and Townships of Brock, Scugog, and Uxbridge starts April 2028.
 - The next contract for Pickering and Ajax starts April 2030.
- Council was impressed with the Pilot results and directed staff to investigate extending the Pilot and expanding automated cart collection throughout the Region more quickly.



Report Back to Council

Staff report to June 4 Works Committee with the following recommendations:

1. Retrofit one collection vehicle with semi-automated collection to continue servicing the two Pilot routes on Fridays – one in Ajax, one in Scugog.
2. Purchase garbage and organics carts to distribute to residents on selected Tuesday – Thursday collection routes to expand semi-automated collection to those days and fully utilize the retrofitted vehicle.
3. Investigate and report back in the fall on options and costs to retrofit existing Ajax and Pickering collection fleet with semi-automated collection to transition it to semi-automated collection before next contract in 2030.



Differences between Original Pilot and Expansion Options

- Original Pilot was conducted with a fully automated collection vehicle borrowed from another municipality to collect only two routes.
 - This option is not sustainable.
- Retrofitting a vehicle only results in semi-automated collection. The driver must exit the vehicle to position the cart for pick up by the tippers. In fully automated collection the driver is not required to exit the vehicle.
 - Collection efficiency and health and safety improvements will not be fully realized until fully automated collection is implemented when contracts are re-tendered – in 2028 and 2030.
- With one retrofitted vehicle, only one route/day can receive semi-automated collection. These routes have not been identified.

Automated Collection Contract Tender



- Pre-qualification for Clarington and Townships garbage and organic collection contract was issued in April – four bidders
- Qualified contractors will be invited to submit a quote for the tender later this year.
- Tender will require fully automated collection vehicles, alternative fueling, provision of carts for garbage and organics for each household.
- New contract starts April 1, 2028.



Enhanced Green Bin

- Launched July 1, 2024 – approaching one year since launch.
- Subsidized Green Bin sales ended in December but promotion of online ordering of new and replacement bins continues.
- Monthly tonnage comparisons 2023 vs 2024 show consistent increases in collected tonnes.
- On average a 16% increase from the same month the previous year.



Multi-Residential Green Bin

- Launched June 3 in approximately 81 buildings. First collection is June 10.
- Work has been ongoing with property managers and building owners to communicate program parameters.
- Approximately 200 buildings outside of Oshawa and Whitby will eventually receive organics collection.





Multi-Residential Green Bin

- Phase 1 is approximately 50% implemented - full implementation completed in July. These are the 'green' ready to go buildings (Approx. 80).
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- Phase 3 implementation will start in 2026. These are the 'red' difficult to implement buildings (Approx. 10 - 12).





Thank You

Angela Porteous

Supervisor, Waste
Management Operations

durham.ca

@RegionofDurham

