

April 2024 – Third Party Independent Audit Durham York Energy Centre

Operations Phase Audit – 2023

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Prepared for
Regional Municipality of Durham and Regional Municipality of York

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Audit Site Walkthrough
April 2, 2024


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NOTICE TO READER

This report summarizes the results of the 2023 Operations Audit of the Durham York Energy Centre undertaken by Malroz Engineering Inc. Audit work was undertaken during the month of April, 2024, following completion of annual reporting by Covanta and the Regional Municipality of Durham. Key audit dates are noted on the signed title page of this Audit Report.

Malroz was retained by The Regional Municipality of Durham to perform this audit. The data evaluations reported herein were completed in a manner which is consistent with the level of care and skill normally exercised by other members of the engineering and geoscience professions currently practising under similar conditions, subject to the time, financial, and physical constraints applicable to these services.

The findings reported in this document are based on the tasks completed by Malroz. Professional judgement, experience with similar work, and available data collected within the scope of work form the basis for this report. Malroz has prepared this report using information understood to be factual and correct. This undertaking cannot be relied upon to detect information or facts that were inaccurate, concealed, or not fully disclosed at the time of our work beyond what is reported herein. No guarantees are either expressed or implied.

Environmental conditions can be expected to change over time. The findings and conclusions of this report are valid only at the time at which this work was conducted. If future work is undertaken, or new information becomes available, Malroz should be so advised in order to re-evaluate the conclusions of this report and make any necessary modifications.

This document has been prepared by Malroz for the sole use of The Regional Municipality of Durham and The Regional Municipality of York, to evaluate compliance with respect to requirements set forth in regulations and permitting. Unauthorized reuse of this document for any other purpose, or by third parties, without the express written consent of Malroz, shall be at such party's sole risk without liability to Malroz.

Data, tables, charts, graphs, and interpretive illustrations presented in this document can only be properly evaluated when reviewed together with the accompanying report. Reference to this report should only be made to the full, intact document.

This notice to reader is an integral part of the accompanying report and must remain with it at all times.

Respectfully Submitted,

Malroz Engineering Inc.

Malroz Engineering Inc.

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1.0 Introduction

The Ministry of the Environment Conservation and Parks (MECP) approved the construction of a mass burn incinerator in Clarington, in 2010, following the completion of an Environment Assessment Approval (EAA). The facility is capable of processing 140,000 tonnes of post-diversion residual waste annually, as well as recovering metals and energy. The facility is located at 1835 Energy Drive, in the Municipality of Clarington. The 12-hectare parcel is situated north of the Courtice Water Pollution Control Plant in the Regional Municipality of Durham (see Figure 1, Appendix A).

1.1 Audit Scope

Condition 16 of the Notice of Approval to Proceed with the Undertaking, granted on October 21, 2010, and passed by Order in Council on November 3, 2010, mandates that third party audits be completed. Further, the audit plan is to be approved by the Regional Director prior to implementation. Approval of the Operations Phase Audit Plan was received on October 24, 2013. The audit scope includes:

- 1) Confirmation that the operations at the Site are undertaken in accordance with the requirements of the Environmental Assessment Approval (EAA), Environmental Compliance Approval (ECA), and regulatory requirements.
- 2) A review of the monitoring and testing results required by the ECA (formerly Certificate of Approval);
- 3) A review of any complaints received about the operation of the Facility;
- 4) A review of recommendations for improving the operation of the Facility received from the Advisory Committee;
- 5) Recommendations for any improvements to ensure that facility operations are compliant and protective of human health and safety and the environment;
- 6) Observations made during walkthrough of the site;

In addition to the foregoing scope items, Malroz reviewed the 2022 Operations Phase Audit, dated April, 2023, for items requiring follow up.

An Audit Plan for the 2023 Operations Phase Third Party Audit was submitted to the DYEC on March 28, 2024 and approved on April 2, 2024, see Appendix B.

This audit report addresses the 2023 operations period and was completed, in part, during a one day site walkthrough conducted on April 2, 2024. The summary checklists used to address the requirements of the EAA and ECA, with auditors' notes made during the audit site walkthrough, document review, and personnel interviews are attached in Tables C1 and C2 of Appendix C for reference.

Findings of the Durham York Energy Centre (DYEC) audit are summarized in the following sections of this audit report.

2.0 Audit Activities & Attendance

The audit activities included a site walkthrough, review of documents and data at the DYEC, on the DYEC website, and made available electronically by DYEC staff to the audit team.

The Malroz audit personnel consisted of David Carnegie, M.Sc., MBA, P.Eng (auditor), Jessie Payeur, P.Eng. (assistant auditor) and Ryan Gillan, B.Eng. (assistant auditor).

Personnel from the owners (Regional Municipality of Durham or Durham Region), and operator/constructor (Covanta) supported audit activities. Durham Region was represented by Robyn McCormick and Nicia Williams. Covanta was represented by Supreet Kaur and Ben Parayankuzhiyl.

The audit commenced with an introduction/kick off meeting and a review of documents at the DYEC offices of the Durham Region.

2.1 Site Walkthrough

Malroz audit personnel attended the DYEC site on April 2, 2024. Prior to entering the site, Malroz personnel conducted an initial drive and walk around the perimeter of the DYEC site, where accessible, from approximately 0730 to 0800. The weather was overcast with periods of drizzle, and the prevailing wind was from the east.

A walkthrough of interior and exterior areas of the facility was completed by Malroz, accompanied by owner and operator personnel. The walkthrough included a review of documentation in the Scale House and Operations Centre (see Figure 2). Photo documentation collected during the site walkthrough is included in Appendix D. Summary notes collected during the walkthrough are provided in the audit summary checklists (Appendix C).

Robyn McCormick from the Durham Region, and Supreet Kaur from Covanta led the tour, which began in the Region's boardroom. The tour was divided into two portions, the exterior of the facility and the interior of the facility.

The following locations were observed during the exterior portion of the walkthrough:

- The eastern and western storm water management ponds, associated monitoring wells, and spill kits;
- The Scale House;
- The ammonia tank and associated secondary containment;

- The Pozzolan and cement silos;
- An above ground storage tank (AGST) containing diesel fuel;
- A diesel generator;
- Compressed gas cylinder storage;
- Signage at the entrance to the site, near the Scale House, outside of the Tipping Building, and various road signs; and
- Trees and fencing along the perimeter of the site.

During the site walkthrough the radiation detector alarm within the Scale House was malfunctioning. Scale House personnel were reportedly visually monitoring the radiation detector readings and conducting secondary screening in accordance with the Radiation Detection standard operating procedure (SOP: DYEC-ENV-016). During the site walkthrough diagnosis and repairs were underway. The detector was repaired and returned to service pursuant the Radiation Detection SOP. Confirmation of repair and restoration to expected operation was provided by email (from Covanta personnel) at 1200 the same day.

The interior portion of the site walkthrough started at approximately 1330 and proceeded from the administration building through the Covanta operations centre, following the order of operations from receipt of waste (Tipping Building) to disposal of ash (Residue Building).

The following locations were observed during the interior portion of the walkthrough:

- The Tipping Building, Tipping Floor, and Refuse Pit;
- The Control Room and the operating system;
- The Feed Stoker Room;
- The Turbine Hall;
- Reverse Osmosis Area;
- The Grizzly Building;
- The Air pollution control (APC) system and AMESA systems; and
- The Residue Building.

Several operators in the control room were interviewed regarding the process for waste sorting and other job functions. Staff were questioned regarding training and availability of SOPs. Hard copies of the SOPs were available within the Control Room and it was explained that all SOPs are available digitally through the Covanta server. Operators demonstrated the procedure for accessing the digital SOPs. A warning light was observed on the operating system indicating an AMESA system sensor fault on Boiler

#2. It was explained that Boiler #2 had been temporarily shutdown for maintenance and that the AMESA monitoring system and fault would resolve once the boiler returned to full operation (e.g. stable operating temperature).

At the conclusion of the site walkthrough, a wrap up discussion was held with the personnel attending the audit to review general observations and comments of the audit team, additional Durham Region and York Region personnel participated virtually.

Findings from the site walkthrough are presented in Section 3.2, Table 2.

2.2 Documents Review

Required approval and operations documentation was evaluated during the April 2, 2024 site walkthrough, prior to the site walkthrough, and remotely during the weeks following the site walkthrough (see Appendix C for Summary Audit Checklists).

Document review included:

- review of the monitoring and testing results, and associated reporting, required by the Environmental Compliance Approval (formerly Certificate of Approval) and Environmental Assessment Approval;
- review of any complaints received about the operation of the Facility; and
- review of recommendations for improving the operation of the Facility received from the Advisory Committee.

Onsite documents were reviewed within the Region Boardroom, the Control Room, and the Scale House. Documents available through the Covanta digital library were also reviewed on-site. Personnel from the Region and Covanta participated in the document review to facilitate production of documents requested by the auditors.

During the review, documents listed on the checklist were identified as available on the website, available through the shared drive provided by the Region and Covanta, or maintained onsite.

2.2.1 ECA and EAA Associated Reporting

The ECA and EAA list documents which are required to be maintained on the DYEC website (<http://www.durhamyorkwaste.ca>). A summary of these documents is provided in the web document checklist (see Appendix E).

Findings from the document review are presented in Section 3.3, Table 3.

2.2.2 Complaints

Individual complaints were available online through the DYEC website – no complaints were logged during the 2023 Operations audit period.

2.2.3 Energy from Waste Advisory Committee Meetings

The Energy from Waste Advisory committee agenda and minutes for the December 18, 2023 meeting were available and reviewed. The DYEC answered questions posed by the committee regarding the 2022 Annual Compliance Report. The following updates were discussed:

- A streamlined Environmental Assessment (EA), dated December 2021 was submitted to the MECP to support the proposed increase in capacity from 140,000 to 160,000 tonnes of waste per year. In October 2023, the MECP provided questions to the Region. According to the minutes, the questions consisted mainly of confirming the location of documents or resubmission of the models and background data. The Streamlined EA remains with the MECP for review.
- Extended producer responsibility for recyclables was discussed. Durham is preparing for the transition of curbside collection of Blue Box materials through CMO (Circular Materials Ontario), with Miller Waste being awarded the contract for collection from July 1, 2024 to December 31, 2025, in Ajax, Pickering, Clarington, Scugog, Uxbridge, and Brock; and GFL in Whitby and Oshawa. Starting in 2026, as CMO will cease to service small businesses as part of this program, Durham is considering options to address financial implications and address continued service to small businesses with a forthcoming report to Works Committee in 2024.
- The update to the Durham Region Organics Management Program indicated that the Enhanced Green Bin Program would be implemented beginning July 1, 2024. Upon this date Durham will be accepting diapers, sanitary waste and pet waste in the green bin program which would be directed to the Seaclyff Energy Anaerobic Digestion (AD) processing facility in Leamington, Ontario, along with other organic waste.

No further updates were discussed and the next meeting was set for June 21, 2024.

2.3 Personnel Interviews

In keeping with previous audits, personnel interviews were conducted during the audit, including the document review, site walkthrough and audit wrap up meeting.

Facility personnel were interviewed about operating procedures and observations. Interviews included requests for further information and/or clarifications during the document reviews and site walkthrough. Interviews included cross-referencing information between the Region's and Covanta's offices for consistency.

Findings from the personnel interviews are presented in Section 3.4.

3.0 Findings and Recommendations

Section 16 of the Notice of Approval to Proceed with the Undertaking dated October 21, 2010, and passed by Order of Council on November 3, 2010, mandates that third party audits be completed annually. This audit reports on the 2023 Operations Period.

The audit comprised three parts; document review, site walkthrough, and interviews. The components of this audit were completed during March and April, 2024.

3.1 Previous Audit Findings

Audit findings identified as “open” in the 2022 Operations Audit are summarized in Table 1, an update on the status at the time of the 2023 audit is also provided.

Table 1: Previous Audit Findings

Item #	2022 Operations Audit findings	2023 Operations Audit Status
1	<p>ECA 8(15) – requires visual screening in accordance with documentation in “Schedule A”. Although the visual screening is in place, sign off for landscaping remains outstanding from the Municipality of Clarington because some of the trees have not remained viable for the minimum required time period.</p> <p>The Climate Change Office of the Region of Durham is working with the Trees for Life initiative to plant trees at the site including the east boundary.</p>	<p>The Climate Change Office of the Region of Durham is working with the Trees for Life initiative to plant trees at the site including the east boundary.</p> <p>This finding remains open.</p>
2	<p>The status of fire extinguishers should be added to a workplace inspection list.</p>	<p>Status of portable fire extinguishers is included in the Equipment Operator Daily Rounds Checklist.</p> <p>This finding is closed.</p>
3	<p>One outdoor pest control unit located on the west side of the Scale House was noted to be broken and open.</p>	<p>This pest control unit was observed to be in good working order during the site walkthrough.</p> <p>This finding is closed.</p>
4	<p>Consider documenting the status or action required for each deficiency noted on the monthly inspection report itself. An example of this practice is shown on the June 2022 version (e.g., EX_96).</p>	<p>This is included in the Health and Safety Inspections Spreadsheet</p> <p>This finding is closed.</p>

3.2 Current Audit Findings – Site Walkthrough

There were no areas of non-compliance identified during the site walkthrough for the 2023 audit. Seventeen (17) opportunities for improvement were identified and are summarized in Table 2 based on interior and exterior portions of the walkthrough.

Table 2: Current Audit Findings – Site Walkthrough

Item #	2023 Operations Audit Findings	Requirement	Recommendation
Exterior – Site Walkthrough			
1	Although the visual screening is in place, sign off for landscaping remains outstanding from the Municipality of Clarington because some of the trees used for visual screening have not remained viable since planting (see photo 7). Based on discussions with DYEC staff we understand that the facility will be replacing non-viable trees in 2024 in partnership with the Trees for Life initiative.	ECA 8(15) – requires visual screening in accordance with documentation in “Schedule A”.	Continue working with the Trees for Life initiative to plant trees along the property boundary.
2	Windblown litter was observed along the perimeter fencing (see photos 8 and 9), it was not clear whether the source of the litter was the DYEC or surrounding properties. Litter was observed within the DYEC grounds (e.g. around the maintenance contractor staging area).	ECA 8(12) The Owner shall: (a) take all practical steps to prevent the escape of litter from the Site; (b) pick up litter around the Site on a daily basis, or more frequently if necessary; and (c) if necessary, erect litter fences around the areas causing a litter problem.	Continue to implement the following processes and procedures to reduce the visible accumulation of litter: <ul style="list-style-type: none"> The Outside Environmental Checklist completed daily includes a section for the presence of “Odour/ Dust/ Litter” around the Site. The Equipment Operator Daily Rounds includes a section for cleaning up litter present outside the east and west Tipping Floor bay doors. Covanta also indicated that a “Power Hour” is completed monthly during which

Item #	2023 Operations Audit Findings	Requirement	Recommendation
			<p>available staff clean up litter around the Site.</p> <p>We recommend that the Outside Environmental Checklist include a section for noting litter clean-up (e.g. a check box and a timestamp) similar to the Equipment Operator Daily Rounds to document when litter is removed as opposed to observed only.</p>
3	Housekeeping items such as: debris and other materials/tools were observed within the ammonia tank secondary containment and near the ammonia tank walkways (see photos 27 and 28)	Good practice	Ensure equipment and materials are stored in an orderly manner and do not pose a tripping hazard or limit access to operational equipment in the event that maintenance is required or a spill occurs. Ensure that waste material is collected and placed in designated bins, and disposed of appropriately.
4	Hoses, a spool of wire, wood and metal debris were observed stored between sea cans south of the Grizzly Building (see photo 12).	Good practice	Ensure that materials are stored in an orderly manner. Ensure that debris and operational equipment are not co-mingled.
5	Contractor waste and materials were observed stored outside near the wastewater settling basin (see photo 11).	Good practice	Ensure that materials are stored in an orderly manner and that waste material is contained disposed of in a timely manner.
6	Compressed air cylinders were observed stored outside of protective storage cages near the Grizzly Building (see photo 23)	Good practice	Ensure that compressed gas cylinders are secured in protective cages when not in use.
7	The door to Pozzolan silo was observed to be open (see photo 30).	Good practice	Ensure that doors to restricted areas are closed.

Item #	2023 Operations Audit Findings	Requirement	Recommendation
8	The entrance door to the Tipping Building was damaged and out of order (see photo 10).	Good practice	A workorder for the repairs had been prepared at the time of the site walkthrough. As an interim measure, the western overhead door was being used exclusively.
9	One pest control unit cover was observed to be ajar along the northern fence (see photo 3).	Good practice	The pest control unit should be repaired/closed.
10	The compressed gas cylinders removed from the tipping floor are stored outside/ adjacent to the western door to the Tipping Floor in metal containers in an area that is not clearly signed.	Good practice	Consideration should be given to posting formal signage indicating the use of the area and associated safety signage/hazard label(s).
Interior – Site Walkthrough			
11	Miscellaneous items (e.g. push broom brush head, shovels, caution tape, boxes, hoses, etc.) strewn on the ground near walking paths, a full bucket of unlabeled process water near a bin, debris and miscellaneous equipment stacked beneath process equipment and machinery in the Boiler building (see photos 18 and 19).	Good practice	Ensure equipment and materials are stored in an orderly manner and do not pose a tripping hazard or limit access to operational equipment in the event that maintenance is required or a spill occurs. Ensure that contained liquids are labelled, that containers are not filled beyond their fill lines, and kept sealed. Ensure that waste material is collected and placed in designated bins, and disposed of appropriately.
12	A spill kit observed in the boiler room contained refuse including plastic sheeting and an empty plastic water bottle (see photo 13).	ECA 12. Emergency Situation Response and Reporting (2) The Owner shall ensure that the equipment and materials listed in the Contingency and Emergency Response Plan are immediately available at the Site, are in a good state of repair, and fully operational at all times.	Remove superfluous material to ensure that the spill kits are not compromised and remain fit for purpose.

Item #	2023 Operations Audit Findings	Requirement	Recommendation
13	Capacity on secondary containment for new and used oil storage appeared to be approaching the permitted volume limit (see photo 14).	See Section 3.0 in the MECP Guidelines for environmental protection measures at chemical and waste storage facilities. https://www.ontario.ca/page/guidelines-environmental-protection-measures-chemical-and-waste-storage-facilities	Generally, the storage of drums and pails included secondary containment. In this case the volume of the drums and pails appeared to be approaching the secondary containment's capacity; however, it was indicated that some of the observed containers were not full. Ensure that pails and drums continue to be stored on secondary containment with sufficient capacity as outlined by the MECP and where possible limit stacking of pails to reduce the risk of tips and spills.
14	An interior bottom ash chute cover/baffle observed at the base of a combustion chamber in the Boiler Building (see photo 15) was not completely affixed to its intended operating position.	Good practice	Based on discussion with the maintenance personnel we understand that this repair is planned for the next scheduled shut down in April 2024.
15	Doors of two hydro-pneumatic control cabinets were open within the Boiler Building (see photo 16).	Good practice	Equipment service doors should remain closed when not undergoing maintenance.
16	Door #136 found ajar and appeared damaged in the Grizzly Building (see photo 17).	Good practice	Ensure that doors to restricted areas (e.g. the plant and exterior) are closed and secured.
17	Scale House personnel reported that drivers of vehicles not containing waste (e.g. couriers, deliveries of process materials) reportedly frequently drive past the Scale House without stopping to sign in.	ECA 3(7) The Owner shall ensure that access to the Site, with the exception of the area designated as a Public Information Centre, is regulated and that no unauthorized persons are permitted at the Site without the Trained Personnel escort.	Although we understand that the delivery drivers are generally recognized and repeatedly visit the facility, consideration should be given to the procedure for receiving deliveries and sign in and sign out procedures to provide the Scale House with greater control over access to the facility. Where practical deliveries not directly related to process operations (e.g. delivery of materials

Item #	2023 Operations Audit Findings	Requirement	Recommendation
			unrelated to direct process inputs) should be received at the Visitor Centre entrance or be required to stop at the Scale House to request access.

3.3 Current Audit Findings – Document Review

Two opportunities for improvement were identified during the document review and are summarized in Table 3.

Table 3: Current Audit Findings – Document Review

Item #	2023 Operations Audit Findings	Requirement	Recommendation
1	The 2023 Annual Groundwater and Surface Water Monitoring Report, dated February 9, 2024, was made available for review in draft form. Appendix F, the Monitoring and Screening Checklist, was not included in the draft report	<p>ECA 7(14) (a) The Regions shall develop and implement the Groundwater and Surface Water Monitoring Plan, in accordance with the requirements set out in the EA Approval and as determined to be acceptable to the Regional Director.</p> <p>(b) The Regions shall report the results of the Groundwater and Surface Water Monitoring program to the Regional Director and to the Director in accordance with the schedule set out in the EA Approval and in accordance with the requirements of Condition 14.</p> <p>(c) The Regions shall post the Groundwater and Surface Water Monitoring Plan and the results of the Groundwater and Surface Water Monitoring program on the Owner's web site for the Facility in accordance with the requirements of the EA Approval and Condition 15.</p> <p>ECA 15(1) 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.</p> <p>(n) the results and an interpretive analysis of the results of the groundwater and surface water, including an assessment of the need to amend the monitoring programs;</p> <p>EA 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.</p>	<p>The 2023 annual Groundwater and Surface Water monitoring report was provided for review in draft – the report had not been finalized or posted at the time of the audit. However, the 2023 Annual Operations Report did include the results and an interpretive analysis of the results of the groundwater and surface water, including an assessment of the need to amend the monitoring programs.</p> <p>The report should be finalized, submitted to the MECP, and posted to the website as soon as possible to ensure that documentation supporting the summaries provided in the Annual Report is readily available.</p>

Item #	2023 Operations Audit Findings	Requirement	Recommendation
2	The 2023 Fourth Quarterly (Q4) Long-Term Sampling System (AMESA) Report was made available for review in draft form during the 2023 Operations Phase Audit. The final report is expected to have a complete section 7.0 AMESA Performance relating to issues reported for Boiler #1 which began on November 27, 2023	<p>ECA 7(3)(a) The Owner shall develop, install, maintain and update as necessary a long term sampling system, with a minimum monthly sampling frequency, to measure the concentration of Dioxins and Furans in the Undiluted Gases leaving the APC Equipment associated with each Boiler. The performance of this sampling system will be evaluated during the annual Source Testing programs in accordance with the principles outlined by 40 CFR 60, Appendix B, Specification 4.</p> <p>ECA 15(1) 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.</p> <p>(j) results of the evaluation of the performance of the long-term sampling system in determining the Dioxins and Furans emission trends and/or fluctuations for the year reported on as well as demonstrating the ongoing performance of the APC Equipment associated with the Boilers;</p>	<p>The 2023 Fourth Quarterly (Q4) Long-Term Sampling System (AMESA) Report was provided for review in draft – the report had not been finalized or posted at the time of the audit. However, the 2023 Annual Operations Report did include the results of the evaluation of the performance of the long-term sampling system in determining the Dioxins and Furans emission trends and/or fluctuations for 2023, and demonstrated the ongoing performance of the APC equipment associated with the Boilers and the facility's compliance with the operating parameters identified in the ECA.</p> <p>The report should be finalized and posted to the website as soon as possible to ensure that documentation supporting the summaries provided in the Annual Report is readily available.</p> <p>We understand that the report has been provided and will be posted to the DYEC website once formally received by Council.</p>

3.4 Current Audit Findings – Personnel Interviews

Consistent with the previous audits completed by Malroz, the facility team including the owners' personnel, and operator, appear to maintain a good collaborative working relationship. Each team member appeared to be well informed of the site activities and kept other members of the team up to date on an ongoing basis. The auditors noted that this ongoing communication between the parties includes regular meetings.

Facility staff reported that no concerns had been identified to them by the MECP during their quarterly meetings in 2023 and no complaints were received in 2023.

4.0 Conclusions

In the opinion of the auditors, operations at the Facility during the 2023 period were undertaken in substantial accordance with the requirements of the EAA, and the ECA (formerly called a Certificate of Approval), and regulatory requirements.


Appendix A

Figures



Legend

approximate site boundary

R0	2024-04-17	issued in final	RG	JMP
Rev	Date	Description	By	Chkd
Site Location Plan				
Durhan York Energy Centre Operation Phase Audit - 2023 Clarington, Ontario				
File: 795-122.00		Figure 1		



Legend
[Red outline] approximate site boundary

R0	2024-04-17	issued in final	RG	JMP
Rev	Date	Description	By	Chkd
Site Plan				
Durham York Energy Centre Operation Phase Audit - 2023 Clarington, Ontario				
File: 795-122.00		Figure 2		

Appendix B

Audit Plan



308 Wellington Street
Kingston, ON K7K 7A8
Canada

613-548-3446
www.malroz.com

submitted via email (robyn.mccormick@durham.ca)

March 28, 2024
File: 795-121.00

Robyn McCormick
Operations Technician
Durham York Energy Centre
The Regional Municipality of Durham
605 Rossland Road East
Whitby, ON L1N 6A3

Subject: Audit Plan, 2023 Operations Phase,
Durham York Energy Centre, Clarington, Ontario

Dear Ms. McCormick:

Malroz Engineering Incorporated (Malroz) is pleased to offer this Audit Plan for Independent Third-Party Auditing of the Durham York Energy Centre (DYEC) to The Regional Municipality of Durham for the 2023 Operations Phase. We have developed this plan as outlined in your letter dated December 4, 2023 and our proposal dated February 9, 2024.

We understand that Third-party audits are required annually to satisfy Condition 16 of the Environmental Assessment Notice of Approval (EA), Condition 15(2) of the Environmental Compliance Approval (ECA), as well as applicable regulatory criteria.

1.0 Audit Scope and Methodology

The audit will include a review of documentation, site interviews and a site walkthrough of the facility by Malroz personnel to observe operations, environmental controls, and mitigation measures. Malroz will compare the results of the audit against the requirements outlined in the EA and ECA for the facility.

The following tasks will be completed in accordance with the Audit Terms of Reference and the Audit Scope from the Operations Phase Audit Plan (2020):

1. Attend a teleconference in advance of the site visit to discuss current screening protocols and safety requirements;
2. Prepare an audit plan for approval in advance of the audit (this document);
3. Confirm that the operations at the Site are undertaken in accordance with the requirements of the EA Approval, ECA, and

- regulatory requirements; and review operations used in connection with the undertaking;
4. Review the monitoring and testing results required by the ECA;
 5. Review any complaints received about the operation of the DYEC;
 6. Review recommendations for improving the operation of the DYEC received from the Advisory Committee;
 7. Review records required to be kept by the EA Notice of Approval or under any other ministry approvals for the undertaking;
 8. Undertake a legislative review to determine the relevant legislation which may be applicable to DYEC operations for MECP and ISO compliance each year, including but not limited to the suggested list of legislation included in the email package;
 9. Attend an on-site meeting each year and facility tour for internal and external site audits and make observations during the walkthrough of the site;
 10. Observe and make recommendations for improvements (where applicable) to ensure that facility operations are compliant and protective of human health and safety and the environment;
 11. Attend an audit debrief after the site audit completion to discuss the findings;
 12. Prepare an audit report of the findings through the document review, legislative review, and on-site audit and complete it no later than April 25th prior to the April 30th Third-Party Audit report MECP submission deadline; and
 13. Prepare and provide written responses or Report Addendums as required should the MECP have questions or concerns about the submitted report.

2.0 Audit Teams

The Malroz audit team will be comprised of the following members:

Name	Position	Role
David Carnegie	Project Manager	Lead Auditor
Jessie Payeur	Project Engineer	Auditor
Ryan Gillan	Project Scientist	Auditor

The DYEC has provided the following list of staff who comprise the DYEC audit team:

Organization	Name	Position
Covanta	Ben Parayankuzhiyil	Facility Manager
Covanta	Supreet Kaur	Environmental Specialist
Region of Durham	Nicia Williams	DYEC Project Manager
Region of Durham	Robyn McCormick	Operations Technician
Region of Durham	Lyndsay Waller	Operations Technician
Region of York	Muneeb Farid	Environmental Services Engineer

3.0 Schedule of Audit Activities

The following schedule is based on the requirements outlined in the Audit Scope from the Operations Phase Audit Plan (2020) which states that the independent operations audit must be completed prior to April 30th of each year.

Activity	Date
Submission of Audit Plan to DYEC	March 28, 2024
Approval of Final Audit Plan	April 1, 2024
On Site Audit	April 2-3, 2024
Draft Report Submission to DYEC	April 22, 2024
Address Comments from DYEC	April 26, 2024
Submit Final Report and Invoicing	April 29, 2024

Elements of the audit will be completed offsite (e.g. review of documents that are provided digitally and/or available on the DYEC website). Select documents will be reviewed before the audit to facilitate audit preparation and planning, and after the on-site audit activities to confirm compliance with the EA and ECA requirements.

4.0 Schedule of On-Site Audit Activities

The following schedule was provided to the DYEC via email on March 25, 2024 and may be adjusted depending on the results of the audit. It should be noted that April 3, 2024 has been included as a contingency should a second day on-site be required.

April 2, 2024:

Time	Task
0830-0930	Audit site kickoff meeting & team introductions
0930-1200	Site tour
1200-1230	Lunch
1230-1300	Post site tour review
1300-1500	Document review & interviews
1500-1530	Contingency for: additional site observation, document review & interviews
1530-1600	Review of previous audit findings and related corrective actions/ auditor preparation for closing meeting
1600-1630	Audit site visit closeout meeting & preliminary summary of findings (or interim closeout if second day is required)

April 3, 2024:

Time	Task
0830-12:00	Site tour (areas that require additional attention)
1200-1230	Lunch
1230-1530	Contingency for additional site observation, document review & interviews
1530-1600	Auditor preparation for closing meeting
1600-1630	Audit site visit closeout meeting & preliminary summary of findings

5.0 Closing

Please indicate your approval to proceed with the Audit Plan by returning one signed copy of this document to our office.

Please contact the undersigned if you have any questions, or concerns with respect to this document, or our approach to the work.

Yours truly,

DYEC Authorization to Proceed:

MALROZ ENGINEERING INC.

Robyn McCormick


per: David Carnegie, P.Eng.
Project Manager

Signature of Signing Authority

Name / Title

Date

Appendix C

Audit Summary Checklists

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
1	GENERAL Compliance ECA 1(1) The Owner shall ensure compliance with all the conditions of this Certificate and shall ensure that any person authorized to carry out work on or operate any aspect of the Site, including the Works, is notified of this Certificate and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.	ECA 1 (1)	2022 ECA Annual Report submitted March 30, 2023 to the MECP. Employee and contractor training completed as per the Covanta Operator Qualification Program and Environmental Training Matrix, as appropriate	2023 Annual Report submitted March 28, 2024 to the MECP. The 2023 Annual Report Section 1.1 states that the facility operated in full compliance with the ECA.
2	(2) Any person authorized to carry out work on or operate any aspect of the Site shall comply with the conditions of this Certificate.	ECA 1 (2)	2022 ECA Annual Report and as observed during the site visit.	Refer to project agreement and see 2023 Annual Report Section 1 which states that the operations at the facility are carried out in compliance with the ECA.
3	Build in Accordance ECA 1(3)(a) Except as otherwise provided by this Certificate, the Site shall be designed, developed, built, operated, monitored, inspected and maintained in accordance with the following applications: (i) Applications for a Certificate of Approval (Air) dated March 2, 2011, each signed by Cliff Curtis, Commissioner of Works, The Regional Municipality of Durham, by Erin Mahoney, Commissioner of Environmental Services, The Regional Municipality of York and by Matthew R. Mulcahy, Senior Vice President, Business Development, Covanta Durham York Renewable Energy Limited Partnership, and the Supporting Documentation listed in the attached Schedule "A".	ECA 1 (3)(a)(i)	No changes made in 2022 (complete in 2016)	No changes. (complete in 2016)
4	ECA 1(3)(a)(ii) Applications for a Provisional Certificate of Approval (Waste Disposal Site) dated March 2, 2011, each signed by Cliff Curtis, Commissioner of Works, The Regional Municipality of Durham, by Erin Mahoney, Commissioner of Environmental Services, The Regional Municipality of York and by Matthew R. Mulcahy, Senior Vice President, Business Development, Covanta Durham York Renewable Energy Limited Partnership, and the Supporting Documentation listed in the attached Schedule "A".	ECA 1 (3)(a)(ii)	No changes made in 2022 (complete in 2016)	No changes. (complete in 2016)
5	ECA 1(3)(a)(iii) Applications for a Certificate of Approval of Municipal and Private Sewage Works dated March 2, 2011, each signed by Cliff Curtis, Commissioner of Works, The Regional Municipality of Durham, by Erin Mahoney, Commissioner of Environmental Services, The Regional Municipality of York and by Matthew R. Mulcahy, Senior Vice President, Business Development, Covanta Durham York Renewable Energy Limited Partnership, and the Supporting Documentation listed in the attached Schedule "A".	ECA 1 (3)(a)(iii)	No changes made in 2022 (complete in 2016)	No changes. (complete in 2016)
6	ECA 1(3)(b) (i) Any design optimization or modification that is inconsistent with the conceptual design set out in the Supporting Documentation in Schedule "A" shall be clearly identified, along with an explanation of the reasons for the change and submitted to the Director for approval.	ECA 1(3)(b)(i)	No changes made in 2022	No changes reported by Covanta or DYEC staff.
7	ECA 1(3)(b)(ii) If a change to the conceptual design is submitted to the Director for approval, no construction of the Site shall commence prior to the Director approving, in writing, the final conceptual design of the Site.	ECA 1(3)(b)(i)	N/A	N/A
8	As-built Drawings ECA 1(4)(a) Within ninety (90) days of the completion of the initial successful Source Testing program, a set of as-built drawings showing the Facility and the Works and bearing the stamp of a Professional Engineer, shall be prepared and retained at the Site. (b) These drawings shall be kept up-to-date through revisions undertaken from time to time and a copy shall be retained at the location of the Site or at the operational office of the Owner for the operational life of the Site. (c) Notwithstanding provisions of Condition 1.4(b), an amendment to this Certificate shall be sought for changes to the as-built drawings, requiring approval. (d) The as-built drawings shall be made available to Ministry staff upon request.	ECA 1(4)	As-built drawings were located in the Visitor Centre. The most recent date on the as-built drawing located in the Visitor Centre was October 27, 2016. Facility staff noted that there were no changes to the as-built drawings in 2022.	(a) As built drawings located in the Visitor Centre small board room. (b) Facility staff noted that there were no changes made to as-builts in 2023. (c) Facility staff noted that there were no changes made to as-builts in 2023 therefore no amendments to the ECA have been sought. (d) As built drawings available in the Visitor Centre small board room and were reportedly previously transmitted to MECP (see 2016 Audit Report).
9	Interpretation ECA 1(5) Where there is a conflict between a provision of any document, including the application referred to in this Certificate and the conditions of this Certificate, the conditions in this Certificate shall take precedence. (6) Where there is a conflict between the applications and a provision in any documents listed in Schedule "A", the applications shall take precedence, unless it is clear that the purpose of the document was to amend the applications and that the Ministry approved the amendment. (7) Where there is a conflict between any two documents listed in Schedule "A", other than the applications, the document bearing the most recent date shall take precedence. (8) The requirements of this Certificate are severable. If any requirement of this Certificate, or the application of any requirement of this Certificate to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this Certificate shall not be affected thereby.	ECA 1(5) ECA 1(6) ECA 1(7) ECA 1(8)	N/A	N/A, based upon discussions with Covanta and DYEC staff.

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
10	Other Legal Obligations ECA 1(9) The issuance of, and compliance with the conditions of this Certificate does not: (a) relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement; or (b) limit in any way the authority of the Ministry to require certain steps be taken or to require the Owner to furnish any further information related to compliance with this Certificate.	ECA 1(9)	Legal Listing is maintained for the Facility's ISO 14001 Certification. Compliance Obligations Table last updated on October 3, 2022.	The Facility's ISO 14001 Certification - last revised January 17, 2024 is maintained. Section 17.1 of the 2023 Annual Report states that there were no ISO 14001 non-conformances during the 2023 surveillance audit.
11	Adverse Effects ECA 1(10) The Site shall be constructed, operated and maintained in a manner which ensures the health and safety of all persons and prevents adverse effects on the natural environment or on any persons. (11) The Owner shall take steps to minimize and ameliorate any adverse effect on the natural environment or impairment of water quality resulting from the approved operations at the Site, including such accelerated or additional monitoring as may be necessary to determine the nature and extent of the effect or impairment. (12) Despite the Owner or any other person fulfilling any obligations imposed by this Certificate, the person remains responsible for any contravention of any other condition of this Certificate or any applicable statute, regulation, or other legal requirement resulting from any act or emission that caused the adverse effect to the natural environment or impairment of water quality. (13) If at any time odours, pests, litter, dust, noise or other such negative effects are generated at this Site and cause an adverse effect, the Owner shall take immediate appropriate remedial action that may be necessary to alleviate the adverse effect, including suspension of all waste management activities if necessary.	ECA 1(10) ECA 1(11) ECA 1(12) ECA 1(13)	11) Not applicable for 2022. 12) Covanta maintains a legal registry (Compliance Obligations Table). 13) Daily and monthly checklist are completed by the Region to record negative effects such as odour, pests, litter, dust, noise or other. Abell Pest Management Program (Abell Pest Control) 2022 Monthly Pest Control Status Reports indicated that there are 43 exterior stations and 23 interior stations.	(10) Observed during site walkthrough, see Article 9 and 10 of the Project Agreement. (11) No adverse effects reported. (12) Legal obligations acknowledged by DYEC Region personnel. (13) No issues with odours, pests, dust, or noise were observed during the site walkthrough. Abell Pest Control indicates there are 43 exterior stations and 23 interior stations to manage pests. During the exterior site walkthrough, wind blown litter was observed within the site grounds and along the fence line. The Equipment Operator Daily Rounds Checklist includes a section for cleaning up litter present outside the east and west Tipping Floor bay doors. Covanta staff indicate that litter is picked up on a monthly basis during Power Hours.
12	Change of Ownership ECA 1(14) The Regions shall notify the Director in writing, and forward a copy of the notification to the District Manager, within thirty (30) days of the occurrence of any changes: (a) the ownership of the Site; (b) the operator of the Site; (c) the address of the Regions; (d) the partners, where the Regions are or at any time become a partnership and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c. B.17, as amended, shall be included in the notification; (e) the name of the corporation where the Regions are or at any time become a corporation, other than a municipal corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C.39, as amended, shall be included in the notification.	ECA 1(14)	No change of Ownership in 2022	No change of Ownership in 2023.
13	ECA 1(15) No portion of this Site shall be transferred or encumbered prior to or after closing of the Site unless the Director is notified in advance. In the event of any change in ownership of the Site, other than change to a successor municipality, the Regions shall notify the successor of and provide the successor with a copy of this Approval, and the Regions shall provide a copy of the notification to the District Manager and the Director.	ECA 1(15)	No change of Ownership in 2022	No change of Ownership in 2023.
14	Inspections by the Ministry ECA 1(16) No person shall hinder or obstruct a Provincial Officer from carrying out any and all inspections authorized by the OWRA, the EPA, the PA, the SDWA or the NMA of any place to which this Certificate relates, and without limiting the foregoing: (a) to enter upon the premises where the approved processing is undertaken, or the location where the records required by the conditions of this Certificate are kept; (b) to have access to, inspect, and copy any records required to be kept by the conditions of this Certificate; (c) to inspect the Site, related equipment and appurtenances; (d) to inspect the practices, procedures, or operations required by the conditions of this Certificate; (e) to conduct interviews with staff, contractors, agents and assignees of the Owner; and (f) to sample and monitor for the purposes of assessing compliance with the terms and conditions of this Certificate or the EPA, the OWRA, the PA, the SDWA or the NMA.	ECA 1(16)	No MECP Inspection Reports were issued in 2022.	Based upon discussions with DYEC and Covanta staff, there were no MECP Inspection Reports issued in 2023.
15	Information ECA 1(17) Any information requested by the Ministry, concerning the operation of the Site and its operation under this Certificate, including but not limited to any records required to be kept by this Certificate, manuals, plans, records, data, procedures and supporting documentation shall be provided to the Ministry, in a timely manner, upon request.	ECA 1(17)	There were no specific requests by the Ministry in 2022, as reported by facility. As per the 2022 ECA Annual Report, the facility was operating in compliance with the ECA. In 2022, there were no excursions to Performance Requirements as listed in Condition 6.	Section 1.1 of the 2023 Annual Report states that the facility was operating in compliance with the ECA and in 2023 there were no excursions to Performance Requirements as listed in Condition 6. Per discussions with Covanta personnel and DYEC there were no specific requests made by the Ministry in 2023.

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
16	ECA 1(18) The receipt of any information by the Ministry or the failure of the Ministry to prosecute any person or to require any person to take any action, under this Certificate or under any statute, regulation or other legal requirement, in relation to the information, shall not be construed as: (a) an approval, waiver, or justification by the Ministry of any act or omission of any person that contravenes any term or condition of this Certificate or any statute, regulation or other legal requirement; or (b) acceptance by the Ministry of the information's completeness or accuracy.	ECA 1(18)	N/A	N/A
17	ECA 1(19) The Owner shall ensure that a copy of this Certificate, in its entirety and including all its Notices of Amendment and the Supporting Documentation listed in Schedule "A" are retained at the Site at all times.	ECA 1(19)	Copies of the ECA Certificate, Notice 1 and 2 are available on the company's website	No change. There are 2 Emergency Environmental Compliance Approval Amendments (April 22, 2020 and December 23, 2021) and 4 Approval Amendments (August 12, 2014, October 24, 2014, February 24, 2016, and March 14, 2016) available on the DYEC website.
18	SERVICE AREA, APPROVED WASTE TYPES, RATES and STORAGE ECA 2(1) The service area for the Site is the area within the jurisdictional boundaries of The Regional Municipality of Durham and The Regional Municipality of York.	ECA 2(1)	As listed in Section 2.2 of the 2022 ECA Annual Report and the Covanta DYEC Customer/Material Report, the waste sources are from the Regional Municipality of Durham and York.	Section 2.2 of the 2023 Annual Report states that the waste processed at the facility is obtained through curbside collection programs and Waste Management Facilities, in the Regional Municipality of Durham and York.
19	ECA 2(2) The operation of this Site is limited to: (a) receipt, temporary storage, transfer and processing, including thermal treatment, of solid non-hazardous waste remaining after Waste Diversion required by the EA Approval, limited to Waste from the following sources: (i) domestic waste and Industrial Commercial and Institutional waste from the Regions' curbside collection and/or from the Regions' waste management facilities; and (ii) waste generated on-Site through activities not relating to the handling and processing of Waste (ie. office, lunch room, etc.); (b) collection and management of the storm water run-off generated at the Site.	ECA 2(2)	Refer to Item 18. (i) Regional curbside program as described in 2021 Durham Region Waste Management Annual Report and 2021 York Region Annual Solid Waste Diversion Report. (ii) Staff description of programs in place. a) Two settling ponds observed during the site visit. No visible sheen was observed. Spill kits were in place at each.	(a)(i) Regional curbside program as described in 2022 Durham Region Waste Management Annual Report and 2022 York Region Annual Solid Waste Diversion Report. Interviews with DYEC personnel (e.g. scale house) confirm this. (a)(ii) Covanta staff report that waste generated on-site (e.g. office and lunch room) is processed at the DYEC facility. (b) Two storm water management ponds were observed.
20	ECA 2(3) The following Unacceptable Waste is prohibited from being accepted at the Site: (a) hazardous waste, as defined in the O. Reg. 347; (b) wastes which have been source-separated for the purposes of diversion;	ECA 2(3)(a) ECA 2(3)(b)	As stated in Section 32.3 of the Project Agreement and SOP DYEC-REF-007 Unacceptable Waste Receiving Handling Storage and Disposal Revision 4, December 9, 2020, the Contractor shall not knowingly accept any delivery of unacceptable waste. The SOP defines the terms hazardous waste and unacceptable waste. Radioactive waste detected at the Scale House is diverted from the site.	(a) Standard Operating Procedure (SOP) DYEC-REF-007 Unacceptable Waste Receiving, Handling, Storage & Disposal lists hazardous wastes that are unacceptable, defined by O. Reg. 347. (b) SOP DYEC-REF-007 describes wastes which have been source-separated for the purposes of diversion.
21	ECA 2(3) (c) international waste generated outside of Canada, but collected within the jurisdictional boundaries of The Regional Municipality of Durham and The Regional Municipality of York.	ECA 2(3)(c)	Refer to Item 18.	No change, see Item 18.
22	ECA 2(4) Waste Receipt Rate: (a) The maximum daily amount of Waste that is approved to be accepted at the Site shall not exceed 1,520 tonnes per day.	ECA 2(4)	2022 ECA Annual Report, Section 2.3 states that the maximum amount received in one day was 865.77 tonnes on May 26, 2022. Review of Customer Material Reports.	Section 2.3 of the 2023 Annual Report, reports that the maximum amount of waste received in one day was 900.70 tonnes on May 2, 2023.
23	Storage Restrictions: Solids ECA 2(5)(a) A maximum of 7,350 cubic metres shall be stored inside the Waste pit within the Tipping Building as shown in the Supporting Documentation.	ECA 2(5)(a)	2022 ECA Annual Report, Section 2.3 states that the greatest amount of waste stored in one day was 2,999 tonnes (approximately 7,226 m3) on October 6, 2022. Confirmed with the Meter Reading File that the Pit Inventory at midnight on October 6, 2022 was 2,999 tonnes.	Section 2.3 of the 2023 Annual Report, reports that the greatest amount of waste stored in the Waste Pit was approximately 3,020 tonnes (approximately 7278.2 m3) on Dec 22, 2023 (Using a MSW density = 415 kg / m3).
24	ECA 2(5)(b) Rejected Waste, limited to the Bulky Unprocessable Items removed from the incoming Waste in the Tipping Building shall be stored: (i)in two (2) roll-off bins having a maximum total storage capacity of 30 cubic metres, located within the confines of the Tipping Building; and/or (ii)in the appropriate dedicated bunkers, located within the confines of the Residue Building and described in Conditions 2(5)(c), 2(5)(d) and 2(5)(d).	ECA 2(5)(b)	In 2022, there were thirty-four shipments of Bulky Unprocessable Items. Bulky unprocessable items reportedly included hot tubs, plastic totes and pipes. One bin was noted in the Tipping Building during the 2022 on-site examination. It was approximately 1/2 full.	(i) Section 2.4.2 of the 2023 Annual Report states that there were 70 shipments of Bulky Unprocessable Items. These shipments included oversized items such as hot tubs, plastic totes and pipes. One bin was observed in the Tipping Building and appeared full. (ii) The bunkers in the Residue Building were observed to be labelled appropriately during the site walkthrough.
25	ECA 2(5)(b)(iii) The Owner may use equipment used to handle the hazardous wastes to handle other wastes provided that prior to such use the equipment has been thoroughly cleaned first.	ECA 2(5)(b)	Loader is used for bottom ash, fly ash, ferrous and non-ferrous. DYEC-REF-004 Residue Building Loader Cleaning Revision 1, November 9, 2020 in place. During the 2022 on-site examination, the loader was parked in the Residue Building.	SOP DYEC-REF-004 Residue Building Loader Cleaning Revision 1, dated November 9, 2020, provides cleaning procedures for the loader used to handle hazardous wastes. During the 2023 site walkthrough, the loader was parked in the Residue Building.
26	ECA 2(5)(c) A maximum of approximately 77 tonnes or 106 cubic metres of the Residual Waste, limited to the recovered ferrous metals, shall be stored in one (1) dedicated bunker, located within the confines of the Residue Building, described in the Supporting Documentation. The storage duration is limited to a maximum of seven (7) days.	ECA 2(5)(c)	-	See amended (2016) condition below.

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
26 a	** Amendment Notice No. 5 (March 14, 2016) ECA 2(5)(c) A maximum of approximately 77 tonnes or 106 cubic metres of the Residual Waste, limited to the recovered ferrous metals, shall be stored in one (1) dedicated bunker, located within the confines of the Residue Building, described in the Supporting Documentation.	Amended ECA 2(5)(c)	2022 ECA Annual Report, Table 5 (daily maximum of 71 tonnes was reported in August 2022). The size of the bunker will not permit the storage of the maximum allowable limit. Ferrous bunker was approximately 1/3 full during 2022 on-site examination. Average 4 to 6 pick ups per month by Triple M from Brampton. December 2022 weigh bills reviewed.	Section 3.3 of the 2023 Annual Report, states that the daily maximum Residual Waste Storage for ferrous metals was 75 tonnes reported in both September and December, 2023. The ferrous metal bunker was less than 1/4 full during the site walkthrough.
27	ECA 2(5)(d) A maximum of approximately 120 tonnes or 100 cubic metres of the Residual Waste, limited to the recovered non-ferrous metals, shall be stored in one (1) dedicated bunker, located within the confines of the Residue Building, described in the Supporting Documentation. The storage duration is limited to a maximum of seven (7) days.	ECA 2(5)(d)	-	See amended (2016) condition below.
27 a	** Amendment Notice No. 5 (March 14, 2016) removed the time limit of 7 days. (d) A maximum of approximately 120 tonnes or 100 cubic metres of the Residual Waste, limited to the recovered non-ferrous metals, shall be stored in one (1) dedicated bunker, located within the confines of the Residue Building, described in the Supporting Documentation.	Amended ECA 2(5)(d)	2022 ECA Annual Report, Table 5 (daily maximum of 49 tonnes was reported in December 2022). The size of the bunker will only permit the storage of up to the maximum allowable limit. Non-ferrous residual waste was approximately 1/3 full during 2022 on-site examination. Average 1 pick up per month by Triple M from Brampton. December 2022 weigh bills reviewed.	Section 3.3 of the 2023 Annual Report, states that the daily maximum Residual Waste Storage for non-ferrous metals was 64 tonnes reported in April, 2023.
28	ECA 2(5)(e) (i) A maximum of 630 tonnes of the Residual Waste, limited to the bottom ash shall be stored in two (2) dedicated bunkers, located within the confines of the Residue Building, described in the Supporting Documentation. (ii) The storage duration of bottom ash in the bunkers is limited to a maximum of seven (7) days. (iii) Should additional storage location(s) and a longer storage duration be required during testing, a minimum of forty eight (48) hours before the storage parameters are changed from those approved in Condition 2.(5)(e)(i) and (ii), the Owner shall notify the District Manager, in writing, of the proposed changes and provide the reasons for the changes.	ECA 2(5)(e)	-	See amended (2016) condition below.
28 a	** Amendment Notice No. 5 (March 14, 2016) ECA 2(5)(e) A maximum of 630 tonnes of the Residual Waste, limited to bottom ash shall be stored in two (2) dedicated bunkers, located within the confines of the Residue Building, described in the Supporting Documentation.	Amended ECA 2(5)(e)	2022 ECA Annual Report, Table 5 (daily maximum of 617 tonnes was reported in September 2022). The size of the bunkers will not permit the storage of the maximum allowable limit. Bottom Ash bunkers were approximately 1/8 and 1/4 full during the 2022 on-site examination.	Section 3.3 of the 2023 Annual Report, states that the daily maximum Residual Waste Storage for bottom ash was 625 tonnes reported in December, 2023. The bottom ash bunkers were approximately 1/2 and 1/4 full during the site walkthrough.
29	ECA 2(5)(f) A maximum of 700 tonnes of the Residual Waste, limited to the fly ash shall be stored in seven (7) dedicated bunkers, located within the confines of the Residue Building, described in the Supporting Documentation. The storage duration is limited to a maximum of thirty six (36) days.	ECA 2(5)(f)	-	See amended (2016) condition below.
29 a	** Amendment Notice No. 5 (March 14, 2016) ECA 2(5)(f) A maximum of 700 tonnes of the Residual Waste, limited to the fly ash shall be stored in seven (7) dedicated bunkers, located within the confines of the Residue Building, described in the Supporting Documentation.	Amended ECA 2(5)(f)	2022 ECA Annual Report, Table 5 (daily maximum of 492 tonnes was reported in July 2022). The size of the bunkers will not permit the storage of the maximum allowable limit. Fly ash bunkers 1 to 6 were all well below their maximum limit as follows: empty, residue, 1/3 full, 1/4 full, 1/8 full, 1/4 full). Raw fly ash in bunker 7 was approximately 1/4 full and marked with an orange cone so not picked up.	Section 3.3 of the 2023 Annual Report, states that the daily maximum Residual Waste Storage for fly ash was 314 tonnes reported in December, 2023. During the site walkthrough, three fly ash bunkers were observed to be empty and the remaining four bunkers were approximately 1/4 full.
30	ECA 2(5)(g) A maximum of 85 cubic metres of activated carbon for the carbon injection system shall be stored in one (1) outdoor tank, located adjacent to the APC Building.	ECA 2(5)(g)	Tank observed during site visit.	Tank observed during site walkthrough.
31	ECA 2(5)(h) A maximum of 150 cubic metres of lime for the dry scrubber shall be stored in one (1) or more indoor tank(s), located within the confines of the APC Building.	ECA 2(5)(h)	Lime storage vessel observed during site visit.	Storage vessel observed during site walkthrough.
32	ECA 2(5)(i) If required, recirculated residue shall be stored in one (1) or more indoor tank(s), located within the confines of the APC Building.	ECA 2(5)(i)	None observed during the 2022 on-site examination.	Tank observed during site walkthrough.
33	ECA 2(5)(j) A maximum of 35 tonnes or 25 cubic metres of cement for fly ash conditioning shall be stored in one (1) outdoor silo, located adjacent to the Residue Building.	ECA 2(5)(j)	-	See amended (2016) condition below.
33 a	** Amendment Notice No. 5 (March 14, 2016) ECA 2(5)(j) A maximum of 65 cubic metres of cement for fly ash conditioning shall be stored in one (1) outdoor silo, located adjacent to the Residue Building.	Amended ECA 2(5)(j)	Silo observed during site visit.	Silo observed during site walkthrough.
34	ECA 2(5)(k) A maximum of 25 tonnes or 45 cubic metres of pozzolan for fly ash conditioning shall be stored in one (1) outdoor silo, located adjacent to the Residue Building.	ECA 2(5)(k)	-	See amended (2016) condition below.
34 a	** Amendment Notice No. 5 (March 14, 2016) . ECA 2(5)(k) k) A maximum of 105 cubic metres of pozzolan for fly ash conditioning shall be stored in one (1) outdoor silo, located adjacent to the Residue Building.	Amended ECA 2(5)(k)	Silo observed during site visit.	Silo observed during site walkthrough.

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
35	Liquids ECA 2(5)(l)(i) A maximum of 36 cubic metres or 40 tonnes of aqueous ammonia for the SNCR System shall be stored in one (1) outdoor tank, located adjacent to the APC Building.	ECA 2(5)(l)(i)	-	See amended (2016) condition below.
35 a	** Amendment Notice No. 5 (March 14, 2016) . Liquids ECA 2(5)(l)(i) A maximum of 57 cubic metres of aqueous ammonia for the SNCR System shall be stored in one (1) outdoor tank, located adjacent to the APC Building.	Amended ECA 2(5)(l)(i)	Storage vessel observed during site visit. The secondary containment was empty during the 2022 on-site examination.	Tank observed during site walkthrough. Minimal water (approximately less than 1 cm) observed in the secondary containment.
36	ECA 2(5)(l)(ii) The Owner shall ensure that the aqueous ammonia storage tank is equipped with a liquid level monitoring device designed to provide a visual and an auditory alarm when the high level set point is reached	ECA 2(5)(l)(ii)	Monitoring/alarm equipment observed during site visit. PM's are conducted every 6 months. The 2022 annual calibrations records were reviewed. Alarm settings were all deemed as TRUE. As found results were slightly out of tolerance for several instruments in the lower detection range that indicated that sensors readings may have been slightly higher than actual.	During the site walkthrough the radiation detector alarm within the Scale House was malfunctioning. Gate house personnel were reportedly visually monitoring the radiation detector readings and conducting secondary screening in accordance with the Radiation Detection SOP DYEC-ENV-016. The detector was repaired and returned to service pursuant the Radiation Detection DYEC-ENV-016 SOP. Confirmation of repair and restoration to expected operation was provided by email (from Covanta personnel) at 12:00 the same day.
37	ECA 2(5)(l)(iii) The aqueous ammonia storage tank spill containment area and the loading area shall be designed in accordance with the requirements in the Ministry's document entitled "Guidelines for Environmental Protection Measures at Chemical and Waste Storage Facilities" dated May 2007, as amended.	ECA 2(5)(l)(iii)	Ammonia containment observed to be empty during 2022 on-site examination. Water levels are checked during the daily Outdoor Environmental Checklist and weekly Environmental Site Inspection. Ten examples from 2022 were reviewed during the 2022 on-site examination. In response to finding from 2021 report, the Operations Manager/Chief Operating Engineer sent an email to staff on April 28, 2022 that containment areas will no longer be used for temporary or emergency storage of water from the settling basin (or otherwise). The email clearly stated that if the practice was deemed necessary, that it would require his approval.	Secondary containment observed during site walkthrough with approximately 1 cm of water.
38	ECA 2(6) No outdoor storage of waste , including storage in vehicles, is approved under this Certificate	ECA 2(6)	None observed during the site visit. The only exception would be the empty compressed gas cylinders (unacceptable waste) stored outside of the tipping floor in a secure container (approved by Ministry in 2018). Two empty helium tanks and one small propane tank were observed in the secure bin outside the tipping floor bay door during the 2022 on-site examination.	Compressed gas cylinders are screened out of incoming waste by the operator and stored in a dedicated area outside the Tipping Floor. Cylinders were previously stored in the bermed area within the Tipping Floor designated for unacceptable waste. On June 11th, 2018, the MECP was notified that compressed gas cylinders removed from incoming waste must be stored outside of the Tipping Floor in a secure cage as per an external fire safety inspection completed by the Clarington Emergency and Fire Services. On June 13th, 2018, the local Environmental Officer attended the site to verify the location of the secure cage. The Environmental Officer was satisfied with the relocation of the compressed gas cylinders to comply with the Fire Code. No compressed gas cylinders were observed stored in this area during the site walkthrough.
39	ECA 2(7) The Owner shall ensure that storage of all wastes is undertaken in a manner that does not cause an adverse effect or a hazard to the environment or any person.	ECA 2(7)	During the 2022 on-site examination, storage and containment of wastes was managed to prevent an adverse effect. Trucks were closed, tipping floor doors were closed before unloading / loading.	Adequate storage, containment and management of wastes was observed during the site walk through.
40	ECA 2(8)(a) Waste received at the Site shall be processed within six (6) days from its Emergency Waste storage duration extension:	ECA 2(8)(a)	-	See amended (2016) condition below.
40 a	** Amendment Notice No. 5 (March 14, 2016) (8) (a) Waste received at the Site shall be processed within six (6) days from its receipt at the Site.	Amended ECA 2(8)(a)	See item 41.	DYEC and Covanta staff indicated there was no Emergency Storage of Waste in 2023.
41	Emergency Waste storage duration extension: ECA 2(8)(b) Emergency Waste storage duration extension: (i)The Owner may store the incoming Waste inside the tipping pit within the confines of the Tipping Building for up-to seven (7) days from its receipt at the Site, on an emergency basis only. (ii) Within twenty four (24) hours from the start of the emergency storage of the incoming Waste, the Owner shall notify, in writing, the District Manager that the incoming Waste is being stored longer then four (4) days. (iii) Should there be public complaints about the extended incoming Waste storage, the Owner, in consultation with the District Manager, shall determine the cause of the complaints, propose appropriate abatement measures, including but not be limited to the removal and off-site disposal of the Waste contained in the tipping pit, and implement the said measures upon receiving written concurrence from the District Manager within the time frame acceptable to the District Manager.	ECA 2(8)(b)	-	See amended (2016) condition below.

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
41 a	** Amendment Notice No. 5 (March 14, 2016) Emergency Waste storage duration extension: ECA 2(8)(b) Emergency storage of Waste requirements: (i) On an emergency basis only, the storage duration of Waste inside the tipping pit may be extended beyond the limit set out in Condition 2.(8)(a), above, subject to compliance with the following requirements: (A) prior to the start of the emergency storage of Waste, the Owner shall notify, in writing, the District Manager that the incoming Waste will be stored longer than six (6) days from its receipt; (B) any additional information that the District Manager may require shall be submitted within a time period acceptable to the District Manager; (C) the proposed preventative measures for emergency storage of Waste as identified in the Operations and Maintenance Manual shall be implemented upon commencement of the emergency storage of Waste and shall remain in effect for the entire duration of the emergency storage, unless otherwise advised by the District Manager; and (D) the Owner shall notify, in writing, the District Manager when emergency storage is no longer required.	Amended ECA 2(8)(b)	Covanta DYEC - Notice of Emergency Storage of Waste, dated March 9, 2022 (as a result of Boiler maintenance). Covanta DYEC - Notice of Termination of Emergency Storage of Waste, dated March 29, 2022. Covanta DYEC - Notice of Emergency Storage of Waste, dated October 3, 2022 (as a result of Boiler maintenance). Covanta DYEC - Notice of Termination of Emergency Storage of Waste, dated October 7, 2022.	DYEC and Covanta staff indicated that there was no Emergency Storage of Waste in 2023.
42	ECA 2(9) In the event that Waste cannot be processed at the Site and the Site is at its approved storage capacity, the Owner shall cease accepting additional Waste. Receipt of additional Waste may be resumed once such receipt complies with the waste storage limitations approved in this Certificate.	ECA 2(9)	Maximum storage capacity not reached in 2022, see item 23.	Section 2.3 of the 2023 Annual Report and Covanta staff reported that the daily maximum storage of the Waste Pit was not exceeded.
43	Signs and Site Security ECA 3(1) Prior to receipt of Waste at the Site, the Owner shall ensure that a sign is posted at the entrance to the Site. The sign shall be visible from the main road leading to the Site. The following information shall be included on the sign: (a) name of the Owner; (b) this Certificate number; (c) hours during which the Site is open; (d) waste types that are approved to be accepted at the Site; (e) Owner's telephone number to which complaints may be directed; (f) Owner's twenty-four hour emergency telephone number (if different from above); (g) a warning against unauthorized access; and (h) a warning against dumping at the Site.	ECA 3(1)	Observed sign during site visit and included all items listed. Signage at both entrances were visible during the 2022 on-site examination.	Observed on both entrance signs: one near the scale house and one near main entrance.
44	ECA 3(2) The Owner shall ensure that appropriate and visible signs are posted at the Site clearly identifying the wastes and the process reagents and stating warnings about the nature and any possible hazards of the wastes and the reagents.	ECA 3(2)	Signage clearly posted.	Observed during the site walkthrough.
45	ECA 3(3) The Owner shall ensure that appropriate and visible signs are posted at the Site to prohibit smoking, open flames or sources of ignition from being allowed near any flammable materials storage areas.	ECA 3(3)	Observed "no smoking" signs on outside flammable gas storage cages. No smoking is permitted inside the plant.	Observed during site walkthrough.
46	ECA 3(4) The Owner shall install and maintain appropriate and visible signs at the Site to direct vehicles to the Waste receiving and Residual Waste removal areas and to the reagent unloading areas.	ECA 3(4)	Observed signs and painted arrows on roadways during site visit. The Scale House operator interviewed in the 2022 on-site examination confirmed the process for new drivers or contractors to the site.	Signs and arrows were observed within the site.
47	ECA 3(5) The Owner shall post appropriate and visible signs along the traffic route providing clear directions to the Site.	ECA 3(5)	There are visible signs and painted arrows on roadway directing traffic to the Site.	Signs were observed along roadway directing vehicles to the DYEC.
48	ECA 3(6) The Owner shall ensure that the Site is fenced in and that all entrances are secured by lockable gates to restrict access only to authorized personnel when the Site is not open.	ECA 3(6)	Observed signs during site visit. Lockable gates and doors were observed. Access to on site buildings and operations is restricted only to authorized personnel. Monthly Health and Safety/Operational - Workplace Inspection are completed by the Region. This includes a check of the fence, gate and security.	Lockable gates and doors were observed and were opened by staff keycard. Inspections of the gates and fences are performed daily by Covanta staff. Inspections of the gates, fences and security systems are completed monthly by DYEC staff.
49	ECA 3(7) The Owner shall ensure that access to the Site, with the exception of the area designated as a Public Information Centre, is regulated and that no unauthorized persons are permitted at the Site without the Trained Personnel escort.	ECA 3(7)	Confirmed during site visit. No unauthorized persons permitted in the facility. Facility entrances are locked. There is a buzzer to enter the visitor centre. Contractors are required to sign in at the front desk and/or the Scale House.	Observed during site walkthrough. Building and gates were locked and require a key to open. During the interview with scale house personnel, it was reported that delivery drivers of vehicles not containing waste reportedly frequently drive past the scale house without stopping to sign in.
50	ECA 3(8) The Owner shall ensure that the Site is operated in a safe and secure manner, and that Waste, the Residual Waste and the Unacceptable Waste are properly handled, packaged or contained and stored so as not to pose any threat to the general public and the Site personnel.	ECA 3(8)	Observed during site visit that waste is handled and stored inside. Waste areas are well labelled. Residual Waste is stored in the Residue Building. Unacceptable waste is logged on the Unacceptable Waste Log form, indicating the item, truck ID, Transfer Station and Destination at the facility. The date removed, manifest #, hauler and receiver are also documented. No extreme odour reported on waste logs reviewed.	Observed during site walkthrough, waste, bulky waste and unprocessable waste are handled/stored in Tipping Building. Residual waste is stored in the Residue Building. Waste handling appeared to be consistent with SOP DYEC-REF-007 which describes unacceptable waste receiving, handling, storage and disposal.

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
51	Site Operations: Operating hours: ECA 4(1)(a) The Site is approved to operate twenty-four (24) hours per day three hundred and sixty-five (365) days per year. ECA 4(1)(b) Not with standing Condition 4.(1)(a), Waste shall only be received at the Site and the Residual Waste shall only be transferred from the Site between 7:00 a.m. and 7:00 p.m. Monday to Saturday. No receipt of the Waste or transfer of the Residual Waste shall be undertaken on statutory holidays.	ECA 4(1)(a) ECA 4(1)(b)	(b) Covanta Waste Screening Report - Tipping Floor and Customer Material records indicated that waste was only received at the Site between 7:00am and 7:00 pm Monday to Saturday.	(a) No changes. (b) Hours of operation 7:00 am to 7:00 pm Monday to Saturday, per the commercial entrance sign. Reviewed Waste Screening Report records did not identify receipt of waste outside of the posted hours.
52	ECA 4(1)(c) Emergency Receipt of Waste: (i) The Owner may receive Waste at the Site outside of the operating hours specified in Condition 4.(1)(b) , above, on an emergency basis only. (ii) Within twenty four (24) hours from the receipt of Waste outside of the approved receiving hours, the Owner shall notify, in writing, the District Manager that Waste was received outside of the approved receiving hours. (iii) Should there be complaints about Waste shipments outside of the approved hours, the Owner, in consultation with the District Manager, shall determine the cause of the complaint, propose appropriate abatement measures and implement the said measures upon receiving written concurrence from the District Manager within the time frame acceptable to the District Manager.	ECA 4(1)	See item 51.	(i) No emergency events reported in 2023. (ii) Not applicable, no receipt of waste outside of operating hours. (iii) Not applicable, no receipt of waste outside of operating hours.
53	ECA 4(2) Site Operations: Incoming Waste receipt: (a) At the weigh scale, the Trained Personnel shall: (i) inspect the required documentation prior to acceptance of the incoming Waste at the Site; and (ii) inspect the incoming Waste with radiation detection equipment. (b) In the Tipping Building, the Trained Personnel shall: (i) visually inspect all incoming Waste being unloaded into the Waste pit; and (ii) once per hour, or as accepted by the District Manager, unload the incoming Waste on the tipping floor for a manual visual inspection and sorting of the incoming Waste. (c) The Owner shall only accept the incoming Waste that is delivered in vehicles that have been approved by the Ministry. (d) The Owner shall ensure that all unloading of incoming Waste at the Site takes place entirely within the confines of the Tipping Building.	ECA 4(2)	Through discussion with the Scale House operator: (a) (i) the operator enters the waste delivery into the system as the truck arrives and the operator verifies that it is an approved supplier. The operator interviewed indicated that they the just 'know' that the carrier is an approved vendor. In discussion with Covanta and the Region, there is an annual approved carrier process and the carriers and the truck ID numbers are documented in the PCScale program. (ii) The radiation detectors scan truck; if there is an alarm, the operator asks the truck to re-pass detectors; if alarm persists, then check with hand held device to isolate location; if persists then load rejected. There were three records of rejected waste in 2022. (b) (i) visual inspection of incoming waste on tipping floor once per hour as documented in Waste Screening Report - Tipping Floor (ii) DYEC Waste Screening Report - Tipping Floor, identifies truck ID, odour, unacceptable waste and sign off. (c) refer to (a) above. (d) unloading during site visit was conducted indoors with doors closed.	(a)(i) Scale House operator enters the truck ID and waste information into the system. There was a printer issue observed during the site walkthrough. However tickets were still provided to the drivers upon exiting. (ii) Radiation detection equipment was undergoing repairs during the site walkthrough. Gate house personnel were reportedly visually monitoring the radiation detector readings and conducting secondary screening in accordance with the Radiation Detection standard operating procedure (SOP: DYEC-ENV-016). The equipment would detect radiation, but would not trigger the alarm. Scale house personnel summarized the procedure for manual inspection of trucks with the hand held device if the initial scan identified potential radioactive waste material. Scale personnel summarized the procedure and recording process for rejected loads. in 2023 3 loads were rejected due to radiation detections. (b)(i) Visual inspections were observed in the Tipping Building during the site walkthrough, and occur every hour, when applicable (e.g. inspections take over an hour or trucks are not arriving every hour), inspection records were screened during the site walkthrough and appeared to be completed consistent with the SOP. (c) Observed during site walkthrough, only Ministry approved vehicles are allowed through the scale house. (d) Observed during site walkthrough, unloading of incoming waste only occurred within the Tipping Building.
54	ECA 4(3) Site Operations: Unacceptable Waste handling: (a) In the event that waste that is not approved under this Certificate is inadvertently accepted at the Site, the Owner shall ensure that the Unacceptable Waste: (i) is stored in a way that ensures that no adverse effects result from its storage; (ii) is segregated from all other waste; (iii) is handled and removed from the Site in accordance with the O. Reg. 347 and the EPA; and (iv) is removed from the Site within (4) days of its receipt or as acceptable to the District Manager. (b) The Owner shall ensure that all loading of the Unacceptable Waste into transport vehicles is carried out entirely within the confines of the Tipping Building.	ECA 4(3)	2022 ECA Annual Report, Section 2.4 states that unacceptable waste is stored in a secure bermed area or dedicated cage outside the Tipping Floor. Based on an external fire safety inspection the MECP notified DYEC on June 11, 2018, to store empty compressed gas cylinders outside of the tipping floor in a secure cage. 4(3) (i-iii) SOP DYEC-REF-007 Unacceptable Waste Receiving, Handling, Storage and Disposal in place. Storage of unacceptable waste storage area observed during the site visit. 4(3) (b) SOP states that the loading of unacceptable waste into transport vehicles carried out entirely within the confines of the Tipping Building.	(a)(i) Section 2.4.1 of the 2023 Annual Report states that Unacceptable Waste continues to be screened out by the operator and stored in a designated bermed area within the Tipping Floor however compressed gas cylinders are stored in a dedicated area outside the Tipping Floor. (ii) SOP DYEC-REF-007 Unacceptable Waste Receiving, Handling, Storage and Disposal in place, describing how to segregate Unacceptable Waste. Storage of unacceptable waste storage area observed during the site walkthrough. (b) SOP states that the loading of unacceptable waste into transport vehicles carried out entirely within the confines of the Tipping Building.
55	ECA 4(4) Site Operations: Waste Sorting: (a) The Trained Personnel shall remove the Bulky Unprocessable Items and Unacceptable Waste from the incoming Waste prior to charging of the Waste to the Boilers. (b) All sorting of the incoming Waste at the Site shall be undertaken indoors, within the confines of the Tipping Building and/or the Refuse Building.	ECA 4(4)	During the site visit unacceptable (bulky) waste was observed to be segregated and sorted in the Tipping Building and gas cylinders were stored just outside the Tipping Building bay door in a secure bin. Residual burned tanks were also observed at end of Grizzly Building.	(a) During the site walkthrough unacceptable waste was sorted in the Tipping Building with the exeption of compressed gas cylinders which were stored outside of the Tipping Building in a dedicated area. Tipping floor staff summarized observations of bulky unprocessable items that had been segregated in the past (e.g. a hot tub, tanks). (b) See item 54. Sorting observed indoors in Tipping Building during site walkthrough. Bins for unprocessable waste observed on the Tipping Floor. As previously, noted, compressed gas cylinders removed from the waste stream were stored outside the Tipping Floor at request of fire department and as agreed to by MECP in 2018. Residual burned tanks were observed in the Grizzly Building.

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
56	ECA 4(5)(a) Residual Waste Handling and Disposal: (a) (i) Except for transportation of the Residual Waste between the Grizzly Building and the Residue Building, the Owner shall ensure that all handling of the bottom ash and its segregated constituents, and of the fly ash, is undertaken within the confines of enclosed conveyors and enclosed buildings. (ii) The Owner shall ensure that all loading of the Residual Waste into vehicles for its transport from the Site is carried out entirely within the confines of the Residue Building.	ECA 4(5)(a)	i)Observed enclosed conveyors and enclosed buildings during the site visit. ii)Observed during the site visit.	(i) Observed during site walkthrough. (ii) Loading of residual waste was not observed during the site walkthrough (i.e. this activity was not ongoing concurrent with the site walkthrough), however, DYEC personnel described the procedure and confirmed that this activity occurs within the confines of the Residue Building.
57	ECA 4(5) Residual Waste Handling and Disposal: (b) (i) Different constituents of the Residual Waste shall not be comingled prior to the required compliance testing, unless all Residual Waste is to be disposed of at a Waste Disposal Site that is approved to accept hazardous waste. (ii) The Owner shall ensure that the equipment used in handling of the hazardous wastes or that came in direct contact with the hazardous wastes is not used to handle other wastes. (iii) The Owner may use the equipment that comes in contact with the hazardous wastes to handle other wastes provided that prior to such use, the equipment has been cleaned, as confirmed by visual inspections, to ensure the removal of any hazardous waste residues and to prevent cross contamination.	ECA 4(5)(b)	b)i) bottom and fly ash were tested separately. ii-iii) Loader is used for bottom ash, fly ash, ferrous and non-ferrous. DYEC-REF- 004 Residue Building Loader Cleaning Revision 1, November 9, 2020.	(b)(i) The bottom ash and fly ash are tested separately, see 2023 Annual Report Section 3.1 and Appendix 2. (ii-iii) Loader was observed in Residue Building, DYEC-REF- 004 Residue Building Loader Cleaning, issued November 9, 2020 (provided through shared drive), indicates it is used for bottom ash, fly ash, ferrous and non-ferrous waste handling.
58	ECA 4(5) Residual Waste Handling and Disposal: (c) (i) Only haulers approved by the Ministry shall be used to transport the Residual Waste from the Site. (ii) The Residual Waste shall be transported from the Site in appropriately covered vehicles that will not allow fugitive dust emissions to be emitted into the natural environment during the said transport.	ECA 4(5)(c)	(c) (i-ii) Covanta DYEC Customer/Materials Reports list the following companies for Residual Waste removal from Site: Walker Environmental - Fly Ash Modern Landfill - Bottom Ash Triple M Metal - Residual Ferrous and Non-Ferrous ii) The scale house operator interviewed in 2022 indicated that they check in-coming and outgoing trucks for evidence of obvious leaks or dripping waste. Observed only covered transport vehicles on-site.	(c)(i) Observed during site walkthrough, the Scale House attendant described the process for haulers entering and exiting the site and demonstrated the logging system during the site walkthrough. Scale House personnel confirmed that only licensed pre-approved haulers are permitted to move waste into or out of the facility. (ii) Not observed during site walkthrough. Staff indicated that Residual waste is only removed by approved haulers using enclosed vehicles.
59	ECA 4(5) Residual Waste Handling and Disposal: (d) Residual Waste generated at the Site shall be disposed of shall only be disposed of at an approved waste disposal site in accordance with the requirements in the EPA and the O. Reg. 347 or at a location with the appropriate jurisdictional approval or a license, if required.	ECA 4(5)(d)	2022 ECA Annual Report, Section 3.1 indicates that the bottom ash was transported to Modern Landfill in Model City, New York while fly ash was transported to Walker Industries' South Landfill in Thorold, Ontario. Both bottom and conditioned fly ash are mixed with soil and used as daily / interim cover.	Section 3.1 of the 2023 Annual Report states that bottom ash was transported to Modern Landfill in Model City, New York while fly ash was transported to Walker Environmental Group – South Landfill in Thorold, Ontario. Both bottom and conditioned fly ash are reportedly mixed with soil and used as daily / interim cover at the respective facilities.
60	ECA 4(5) Residual Waste Handling and Disposal: 4.(5)(e) A maximum of 630 tonnes of the Residual Waste, limited to the bottom ash shall be stored in two (2) dedicated bunkers, located within the confines of the Residue Building, described in the Supporting Documentation. The storage duration is as follows: (i) The storage duration is limited to a maximum of seven (7) days. (ii) Should longer storage duration be required to accommodate the duration of the required compliance testing, a minimum of forty eight (48) hours before the storage extension is commenced, the Owner shall notify the District Manager of the required extension. The notification shall include the duration of the extension and the reasons.	ECA 4(5)(e)	-	See amended (2016) condition below.
60 a	** Amendment Notice (August 12, 2014) ECA 4(5) Residual Waste Handling and Disposal: 4.(5)(e) A maximum of 630 tonnes of the Residual Waste, limited to the bottom ash shall be stored in two (2) dedicated bunkers, located within the confines of the Residue Building, described in the Supporting Documentation. The storage duration is as follows: (ii) Should longer storage duration be required to accommodate the duration of the required compliance testing, a minimum of forty eight (48) hours before the storage extension is commenced, the Owner shall notify the District Manager of the required extension. The notification shall include the duration of the extension and the reasons.	ECA 4(5)(e)	2022 ECA Annual Report, Table 5 (daily maximum of 617 tonnes was reported in September 2022). See Item 28 - Removed maximum storage duration - Amendment March 14, 2016.	Section 3.3 of the 2023 Annual Report states that daily maximum Residual Waste Storage for bottom ash was 625 tonnes reported in December, 2023.
61	ECA 4(6) Wastewater Management (a) The Owner shall ensure that all wastewater generated at the Site is contained within enclosed buildings, tanks, pipes and conveyors at the Site and the approved outdoor Wastewater Settling Basin.	ECA 4(6)(a)	No process drains to the sanitary or storm sewers.	Section 4.1 of the 2023 Annual Report and Covanta staff report that no water from the waste to energy process is sent to the sanitary sewer system or discharged into the environment. The settling basin was observed during the site walkthrough.

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
62	ECA 4(6) Wastewater Management (b) The Owner shall ensure that all wastewater generated at the Site is collected in leak-proof and sufficiently designed wastewater storage facilities: (i) Wastewater Holding Tank, to collect the continuous reject water flow from the Boiler make-up water treatment system and the Boiler blowdown, having an approximate holding capacity of 100 cubic metres, located within the confines of the Boiler Building and venting to the atmosphere; and (ii) Wastewater Settling Basin, to collect the wastewater from the floor drains in the buildings at the Site, except for the Tipping Building and the Residue Building, the ash discharger overflow and drain water, the Boiler and turbine-generator wash-down water and the APC Equipment area wash-down water, having an approximate holding capacity of 38 cubic metres, located outdoors, open to the atmosphere and equipped with a filter basket and an oil skimmer board.	ECA 4(6)(b)	See item 61 (b) Wastewater is collected in a settling basin that is equipped with a filter basket and oil skimmer board. The settling basin was cleaned out and inspected by GFL on April 29, 2022 as per Work Clearance Permit. The settling basin was cleaned out and inspected by Covanta on October 27, 2022 as per Work Clearance Permit.	(b)(i) Observed during site walkthrough. (ii) Observed during site walkthrough.
63	ECA 4(6)(c) Wastewater Management (c) The wastewater pumps shall be located in the area designed in accordance with the Supporting Documentation to ensure that any potential leaks or drips are contained and directed to the Wastewater Settling Basin.	ECA 4(6)(c)	No change in 2022. (Wastewater pumps are located in a new pump house to ensure operation in colder temperatures. There were no leaks or drips observed. BluMetric, 2018 Audit)	Pump house was observed adjacent to the Wastewater Settling Basin during site walkthrough. No leaks or drips were observed.
64	ECA 4(6) Wastewater Management (d) (i) The wastewater level in the Wastewater Holding Tank shall be monitored and controlled to ensure that the wastewater inflow to the Tank does not cause the Tank overflow. (ii) The wastewater level in the Wastewater Settling Basin shall be monitored and controlled to ensure that the atmospheric precipitation does not cause an overflow from the Basin.	ECA 4(6)(d)	i) observed during site visit ii) When required, portable frac tanks to pump overflow (required during shutdown), then wastewater is released back to settling basin when water level drops. Record of frac tank being on-site on October 14, 2022. Wastewater Settling Basin is inspected during the daily Covanta inspection (Outdoor Environmental Checklist) for overflow. Sediment was removed from basin in April and October.	(d)(i) Observed during site walkthrough. (ii) Observed during site walkthrough, pumps controlling water levels observed.
65	ECA 4(6) Wastewater Management (e) The Owner shall regularly empty, and clean as necessary, all sumps, wastewater storage/holding areas and equipment that are used to contain, collect and handling the wastewater generated at the Site.	ECA 4(6)(e)	Covanta identified that the sumps, drains and holding areas are emptied and cleaned out as required. A visual inspection is completed on a weekly basis.	Observed during site walkthrough. Wastewater areas are cleaned as necessary, based upon discussions with Covanta personnel.
66	ECA 4(6)(f) Should the Owner find it necessary to remove the wastewater from the Site, the wastewater shall only be disposed of at a Ministry-approved site in accordance with the site's certificate of approval or be discharged to the sanitary sewer in accordance with the agreement with the municipality accepting the discharge.	ECA 4(6)(f)	No wastewater reportedly disposed from site in 2022.	No wastewater was removed from the Site in 2023 based on discussions with DYEC personnel.
67	ECA 4(6) (g) The floors of the Tipping Building and the Residue Building shall be sufficiently sloped to facilitate the flow of the wastewater generated from the floor cleaning activities and from the truck wash-down towards the designated wastewater collection area.	ECA 4(6)(g)	Completed and no updates in 2022	Observed during site walkthrough.
68	ECA 4(6) (h) The Owner shall ensure that the Wastewater Settling Basin is regularly cleaned out and that it does not become a source of odour emissions.	ECA 4(6)(h)	No odour noted during site visit. See item 66.	No odour noted during site walkthrough. Appendix 6 of the 2023 Annual Report states that the Wastewater Settling Basin was cleaned out on March 16 and December 8 2023.
69	ECA 4(7) All activities approved under this Certificate shall only be carried out by appropriately Trained Personnel.	ECA 4(7)	Covanta Operator Qualification Program, Environmental Training Matrix and online training platform are used for training purposes.	Training records are available and were observed on the Covanta training matrix.
70	5. EQUIPMENT and SITE INSPECTIONS and MAINTENANCE Operation and Maintenance (1) Prior to the receipt of the Waste at the Site, the Owner shall prepare and update as necessary, an Operation and Maintenance Manual for all the Equipment, the APC Equipment, the CEM Systems, the Works and any other equipment associated with managing of the Waste and with the control of environmental impacts from the Facility. The Manual shall be prepared in accordance with the written manufacturer's and/or supplier's specifications and good engineering practice. As a minimum, the Operation and Maintenance Manual shall specify: (a) operation procedures of the Equipment, the APC Equipment, the CEM Systems, the Works, and any other equipment associated with managing of the Waste and with the control of environmental impacts from the Facility, in accordance with manufacturers' recommendations and good engineering practices to achieve compliance with this Certificate, the EPA, the OWRA and their Regulations;	ECA 5(1a)	Procedures are updated as necessary. Digital copies are available in the Covanta Library (SharePoint).	SOPs were observed on site and in the digital Covanta Library during the site walkthrough.

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
71	(b) calibration procedures for the CEM Systems as required by this Certificate; (c) procedures for start-up and shutdown, including Controlled Shutdown and Emergency Shutdown; (d) quality assurance procedures for the operation and calibration of the CEM Systems in accordance with 40 CFR 60, Appendix F or Report EPS 1/PG/7, as appropriate; (e) Waste receiving and screening procedures; (f) Waste, Rejected Waste and Residual Waste handling procedures; (g) testing and monitoring procedures as required by this Certificate;	ECA 5(1b to 1g)	Digital copies are available in the Covanta Library.	Digital copies observed in the digital Covanta Library.
72	(h) maintenance and preventative maintenance procedures as required by this Certificate; (i) Facility inspection, including frequency of inspections, procedures; (j) procedure for handling complaints as required by this Certificate. (k) contingency measures to resolve upset conditions and/or minimize the environmental impacts from the Facility; (l) emergency response procedures, including procedures for dealing with power failure, fire, explosion, spills and any other potential emergencies; (m) procedures for record keeping activities as required by this Certificate; (n) description of the responsibilities of the Site personnel and the personnel training protocols; and (o) a list of personnel positions responsible for operation and maintenance, including supervisory personnel and personnel responsible for handling of the emergency situations, recording and reporting pursuant to the requirements of this Certificate, along with the training and experience required for the positions and a description of the responsibilities.	ECA 5 (1h to 1o)	h and i) Outside Environmental Checklist is completed daily. j) See Region EA and Public complaint SOP on-site. k, l) Emergency Action Plan/Fire Safety Plan, Revision 17 dated November 14, 2022. See Section 3 for SOPs m) Record Keeping Procedures - part of initial training n) Covanta roles and responsibilities and training requirements o) Covanta roles and responsibilities and training requirements for emergency situations	(h) Outside Environmental Checklist completed daily (based upon screening of records provided in shared drive). (i) Maintenance and preventative maintenance tracked and scheduled through PeopleSoft Lifecycle Management program (records available on-site) (j) Public complaint SOP available on-site. (k - o) Emergency Action Plan/Fire Safety Plan, Revision 17 dated November 14, 2022. See Section 3 for SOPs.
72 a	** Amendment Notice No. 5 (March 14, 2016) 5. EQUIPMENT and SITE INSPECTIONS and MAINTENANCE (p) all measures deemed necessary to prevent an occurrence of an adverse effect from the emergency storage of Waste.	Amended ECA 5 (p)	p) See item 41	There were no occurrences of emergency storage of waste in 2023 based upon reviewed records and discussion with DYEC personnel.
73	(2) A copy of this Operations and Maintenance Manual shall be kept at the Site, be accessible to the Site personnel at all times and be updated, as required. The Operations and Maintenance Manual shall be available for inspection by a Provincial Officer upon request.	ECA 5(2)	Operations and Maintenance Manual available on site and accessible to site personnel. One hardcopy was observed in the Control Room. They are also available on SharePoint site. Other SOP were viewed in the Scale House.	Operations and Maintenance Manual was observed in the control room and is available on the Covanta digital Library.
74	(3) The Owner shall implement the operation, maintenance, preventative maintenance and calibration procedures set out in the Operations and Maintenance Manual required by this Certificate.	ECA 5(3)	SOPs have been implemented related to operation, maintenance, preventative maintenance and calibration. Use PeopleSoft for tasks and tracking. Covanta use Sphera for reminders to complete environmental tasks.	SOPs, Operations and Maintenance manual have been implemented. Covanta uses PeopleSoft Lifecycle Management program for tracking tasks.
75	Critical Spare Parts ECA 5(4)(a) The Owner shall prepare a list of critical spare parts, update this list annually or more frequently, if necessary, to ensure that this list is maintained up-to date and shall be available for inspection by a Provincial Officer upon request. (b) The Owner shall ensure that the critical spare parts are available at the Site at all times or are immediately available from an off-Site supplier.	ECA 5(4)	Covanta DYEC List of Consumables, Equipment Listing as of December 31, 2022. Includes asset ID and description of equipment. Covanta DYEC Inventory Stocking Report, Jan 23, 2023	DURYK (Durham York) Inventory Stocking Report, December 31, 2023 contains a list of spare parts and was made available during the audit. DYEC list consumables was also made available.
76	Inspections ECA 5(5) Prior to receipt of the Waste at the Site, the Owner shall prepare a comprehensive written inspection program which includes inspections of all aspects of the Site's operations including, but not limited to the following: (a) buildings and the indoor waste storage facilities and presence of dust and odour and leaks in or near any openings, such as doorways, window, vent, louver or any other opening; (b) outdoor Residual Waste transport equipment, and the presence of dust and leaks at or near transfer points or the equipment seams; (c) the Equipment, the APC Equipment, the CEM Systems, the Works and any other equipment associated with managing of the Waste and with the control of environmental impacts from the Facility;	ECA 5(5)	Weekly Environmental Site Inspection Form and Daily Outside Environmental Checklist were observed.	Completed Daily Outside Environmental Checklists and Equipment Operator Daily Rounds Checklists were observed during the site walkthrough.
77	(d) spill containment areas, loading areas and the conditions around the Wastewater Settling Basin; (e) security fencing, gates, barriers and signs; (f) off-site nuisance impacts such as odour, dust, litter, etc. (g) presence of storm water pooling at the Site; and (h) condition of the on-Site roads for presence of leaks and drips from the waste delivery trucks or excessive dust emissions.	ECA 5(5)	Weekly Environmental Site Inspection Form and Daily Outside Environmental Checklist were observed.	Section 10.4 of the 2023 Annual Report states that an outside environmental checklist is completed by an operator daily. Daily Outside Environmental Checklists were observed during the site walkthrough.

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
78	Inspections ECA 5(6) The inspections, except for the inspection of the Works, are to be undertaken daily by the Trained Personnel in accordance with the inspection program to ensure that the Facility is maintained in good working order at all times and that no off-Site impacts are occurring. Any deficiencies detected during these regular inspections must be promptly corrected.	ECA 5(6)	Weekly checklists - completed by Environmental Specialist, daily Outdoor Environmental Logs completed by the Utility Operator. Examples reviewed. People Soft - schedule preventative maintenance, issues work orders and closes them out. Housekeeping requirements tracked through spreadsheet.	Inspections are part of daily rounds, also embedded responsibility of each position. Samples of completed records were reviewed. Facility staff were interviewed regarding inspections and the process for identifying and tracking maintenance/repairs. PeopleSoft Lifecycle Management program is used to schedule and manage work orders on site.
79	Inspections and Maintenance of the Works ECA 5(7) The Owner shall inspect the Works at least once a year and, if necessary, clean and maintain the Works to prevent the excessive build-up of sediments and/or vegetation.	ECA 5(7)	An annual inspection (Annual Sewage Works Inspection, November 1, 2022) is conducted in the fall of every year to complete a detailed inspection of the settling ponds. Including vegetation, sediment, structure, headwall, discharge points, etc.). Includes inspection of drains to East and West Storm Pond.	Section 10.5 of the 2023 Annual Report states that the annual sewage works inspection occurred on November 14, 2023 and no deficiencies were found.
80	Removed extraneous duplicate reference from this Table (see item 85)	ECA 6 (2)(c)(ii)	N/A	N/A
81	6. PERFORMANCE REQUIREMENTS ECA 6(1) The Owner shall, ensure that the Facility/Equipment is designed and operated in such a manner as to ensure that the following Performance Requirements are met: (a) the maximum 10-minute average concentration of odour at the most impacted Sensitive Receptor, resulting from the operation of the Facility/Equipment, calculated in accordance with the procedures outlined in the attached Schedule "B", shall not exceed 1 odour unit; (b) the noise emissions from the Facility shall comply with the limits set out in Ministry Publication NPC-205; (c) the vibration emissions from the Facility shall comply with the limits set out in Ministry Publication NPC-207.	ECA 6(1)	6(1)(a) 2022 Odour Management & Mitigation Monitoring Report, Section 4.4 Source Odour Sampling. The maximum 10-minute average was 0.28 OU (2015), less than 1.0 OU as stated in Schedule B. (b and c) noise not required, see item 97	(a) No change in 2023 Odour Management & Mitigation Monitoring Report. (b) No change, see item 97. (c) No vibration emissions reported.
82	ECA 6(2) The Owner shall ensure that the Boilers and the associated APC Equipment and the CEM Systems are designed and operated in such a manner as to ensure that the following Performance Requirements are met: (a) (i) The temperature in the combustion zone of each Boiler shall reach a minimum of 1000 degrees Celsius (°C) for one second, prior to introduction of the Waste into the combustion chamber of the Boiler during the start-up, and thereafter maintained during the entire thermal treatment cycle and subsequent shutdown until all Waste combustion is completed. (ii) Compliance with the minimum temperature requirement shall be demonstrated by direct measurement at the location where the combustion gases have achieved the residence time of one second at a minimum temperature of 1000°C (the Target Location) or by correlation of the required temperature of 1000oC for one second to the temperature measured downstream of the Target Location as proven by a method acceptable to the Director.	ECA 6(2)(a)	In 2022, the Performance Requirements were met in terms of combustion temperature. Minimum temperature was recorded as 1009°C.	Section 5.1 of the 2023 Annual Report states that the minimum combustion temperature of Boiler 1 was 1043 °C and in Boiler 2, 1057 °C.
83	ECA 6(2)(b) The concentration of residual oxygen in the Undiluted Gases leaving the combustion zone via the economizer outlet of each Boiler, as measured and recorded by the CEM System, shall not be less than 6 percent by volume on a dry basis.	ECA 6(2)(b)	There was no low oxygen level reported in 2022.	Section 5.1 of the 2023 Annual Report states that the minimum oxygen level in Boiler 1 was 6% and in Boiler 2, 7%.
84	ECA 6(2)(c)(i) The operational target for the concentration of carbon monoxide in the Undiluted Gases leaving the combustion zone via the economizer outlet of each Boiler is 40 milligrams per dry cubic metre, as a 4-hour rolling average, normalized to 11 percent oxygen at a reference temperature of 25°C and a reference pressure of 101.3 kilopascals, as measured and recorded by the CEM System, for the period from and including initial commissioning of the facility to twelve months following the completion of the first Source Testing program.	ECA 6(2)(c)(i)	Completed and no updates in 2022.	Completed, refer to COVANTA Acceptance Report and Acceptance Phase Audit Report.
85	ECA 6(2)(c) (ii) The 4-hour average concentration of carbon monoxide in the Undiluted Gases leaving the combustion zone via the economizer outlet of each Boiler, as measured and recorded by the CEM System, shall not be more than 40 milligrams per dry cubic metre, normalized to 11 percent oxygen at a reference temperature of 25oC and a reference pressure of 101.3 kilopascals, after the first twelve months following the completion of the first Source Testing program.	ECA 6(2)(c)(ii)	Completed and no updates in 2022.	Section 5.1 of the 2023 Annual Report states that the maximum 4-hour rolling average concentration of carbon monoxide in Boiler 1 was 33 mg/Rm3 and in Boiler 2 was 38 mg/Rm3. Section 5.1 of the 2023 Annual Report also states that the 4-hour rolling average concentration of carbon monoxide is available at the site. Covanta staff were able to provide upon request.
86	ECA 6(2)(d) The emissions from the Boilers after those emissions have been controlled by the associated APC Equipment for discharge into the atmosphere via the Stack shall comply with the emission concentration limits listed in the attached Schedule "C", as measured by a CEM System or by Source Testing as applicable.	ECA 6(2)(d)	Emissions were below the limits in 2022.	Section 5.1 and 5.5 of the 2023 Annual Report state that emissions comply with their respective emission concentration limits.
87	ECA 6(2)(e) The Boilers shall include combustion air control systems, which are capable of automatically adjusting the distribution and the quantity of combustion air, in such a manner that changes in the Waste Processing Rate and/or Waste composition or irregularities in the loading and/or combustion shall not adversely affect the performance of the Boilers.	ECA 6(2)(e)	Observed and discussed with the operator on-site in the Control Room during the 2022 Operational Audit. Emergency shut-down procedure was also reviewed.	Observed and discussed with the operator in the Control Room during the site walkthrough. .

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
88	ECA 6(2)(f) The Boilers shall provide and maintain a high degree of gas turbulence and mixing in the combustion chamber. (g) The Boilers shall achieve the temperature, oxygen availability and turbulence requirements over the complete range of operating parameters, including feed rate, feed characteristics, combustion air, flue gas flow rate and heat losses. (h) The inlet temperature into each baghouse of the APC Equipment of the Boilers shall not be less than 120°C and not more than 185°C.	ECA 6(2)(f to h)	Observed boiler parameters on the operator's screens in the Control Room during the 2022 Operational Audit. Limits are set for SO2, HCL, NOx, HF, CO, O2 dry, Baghouse Temperature and Combustion Temperature. Noted that the carbon sensor on the control panel was in yellow 'warning' state. They are waiting for a new sensor. The parameter is still monitored on the APC additive screen (flow rate as indicator) and manually checked twice per shift on displays in plant (near Maintenance Shop) and documented in log book. Confirmed that inlet temperature to each baghouse of the APC Equipment was between 120 to 185 oC during the site visit from the emission data posted to the DYEC website.	Observed boiler parameters on the operator's screens in the Control Room during the 2023 site walkthrough. Limits are set for SO2, HCL, NOx, HF, CO, O2 dry, Baghouse Temperature and Combustion Temperature.
89	ECA 6(3) The Owner shall install and maintain visual and audible alarm systems to alert the Facility/Equipment operators of any potential deviation from the above Performance Requirements for parameters that are continuously monitored by applicable CEM Systems and shall forthwith take all reasonable actions to bring the Equipment/Facility into compliance with all Performance Conditions.	ECA 6(3)	Visual and audible alarms will alert if Performance Requirements are out of compliance monitored by CEM System.	Alarm in working condition confirmed in control room. During the site walkthrough we observed a yellow 'warning' state for a sensor on boiler #2, reportedly related to the shutdown of boiler #2 for maintenance. The boiler was being returned to service (e.g. warming up to operating temperature) during the site walkthrough. Personnel explained that it takes 4 days of continuous monitoring (at isokinetic condition) before the sensor returns to normal operating parameters.
90	ECA 6(4) In the event that the CEM Systems indicate that emissions from the Boilers and the Stack exceed any Performance Requirements in the attached Schedule "C" for a continuous three (3) hour period, the Owner shall forthwith cut-off all Waste feed into the affected Boiler and initiate an Emergency Shutdown, while maintaining a temperature of 1000°C, as practicable, in the combustion zone of the Boiler.	ECA 6(4)	See Item 86.	There were no exceedances in 2023, see Item 86.
91	Residual Waste Compliance Criteria ECA 6(5)(a) The Residual Waste generated at the Site and destined for a non-hazardous waste disposal site in Ontario shall not meet any of the criteria from the definition of "hazardous waste" set out in the O. Reg. 347. b) The Residual Waste that meets any of the criteria from the definition of "hazardous waste" set out in the O. Reg. 347 shall be handled and disposed of in accordance with the LDR requirements set out in the EPA and the O. Reg. 347.	ECA 6(5)	2022 ECA Annual Report, Section 3.1.1 states that the results demonstrate that the bottom ash met the "incinerator ash" definition from Regulation 347 and that it could be managed as a non-hazardous solid waste. Sampling data reviewed - quarterly sampling dates are February, June, September and November 2022.	Section 3.1.1 of the 2023 Annual Report states that quarterly samples were collected on March 7, May 16, August 28, and December 2 to December 6, 2023 and results demonstrated the bottom ash continued to meet the "incinerator ash" definition, thus it could be managed as a non-hazardous solid waste.
92	Residual Waste Compliance Criteria ECA 6(6) The Residual Waste, limited to the bottom ash, destined for a non-hazardous waste disposal site shall meet the definition of "incinerator ash" set out in the O. Reg. 347.	ECA 6(6)	See Item 91	No change, see Item 91.
93	TESTING, MONITORING and AUDITING Source Testing ECA 7(1) The Owner shall perform annual Source Testing in accordance with the procedures and schedule outlined in the attached Schedule "E", to determine the rate of emission of the Test Contaminants from the Stack. The first Source Testing program shall be conducted not later than six (6) months after the Commencement Date of Operation of the Facility/Equipment and subsequent Source Testing program shall be conducted once (1) every calendar year there after.	ECA 7(1)	Voluntary Source Testing was conducted by Ortech Consulting Inc. between May 16 and 19, 2022. The testing indicated that the Facility demonstrated compliance with all respective in-stack ECA limits. Ortech Consulting Inc. completed an emission testing program from November 28 to December 2, 2022. The testing indicated that the Facility demonstrated compliance with all respective in-stack ECA limits.	2023 Voluntary Compliance Emission Testing Program, ORTECH, states that voluntary Source Testing occurred between April 24 and April 27 2023 2023 Compliance Emission Testing, ORTECH, states that Source Testing occurred between September 19 and October 4, 2023. Both reports are available on the DYEC website and indicate that the Schedule 'E' standards were met.
94	Continuous Monitoring ECA 7(2) The Owner shall select, test and install appropriate CEM Systems and continuous recording devices in accordance with the requirements outlined in the attached Schedule "F" to conduct and maintain a program to continuously monitor, as a minimum, the following parameters prior to commencement of operation of the Boilers: (a) the temperature at one (1) second downstream of the combustion zone of each Boiler where most of the combustion has been completed and the combustion temperature is fully developed; (b) the inlet temperature of the gases into each baghouse of the APC Equipment of each Boiler; (c) the concentration of carbon monoxide, oxygen and organic matter (as methane) in the Undiluted Gases leaving the combustion zone via the economizer outlet of each Boiler; (d) the opacity and moisture content of the flue gas and the concentration of oxygen, nitrogen oxides, sulphur dioxide, hydrogen chloride, hydrogen fluoride and ammonia in the Undiluted Gases leaving the baghouse of the APC Equipment of each Boiler.	ECA 7(2)	Observed online. Emission sensor calibration (Audit) records (2 sensors) reviewed. The low, medium and high FILTER AUDIT CALCULATIONS passed on annual report. February 5, 2022 daily calibration of Boiler 2 showed CO2 output >1. First occurrence indicted by one 'x'. SOP DYEC-ENV-021 Daily Trace Reports describes procedure for daily calibration events.	CEM data is available on the DYEC website. Section 5 of the 2023 Annual Report states that the temperature of combustion, temperature entering each baghouse, the concentration of carbon monoxide, oxygen and organic matter leaving the boiler, the opacity and moisture content of the flue gas, and the concentration of oxygen, nitrogen oxides, sulphur dioxide, hydrogen chloride, hydrogen fluoride and ammonia in the Undiluted Gases leaving the bag house met Schedule "F" standards.

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
95	Long-Term Sampling for Dioxins and Furans ECA 7(3)(a) The Owner shall develop, install, maintain and update as necessary a long term sampling system, with a minimum monthly sampling frequency, to measure the concentration of Dioxins and Furans in the Undiluted Gases leaving the APC Equipment associated with each Boiler. The performance of this sampling system will be evaluated during the annual Source Testing programs in accordance with the principles outlined by 40 CFR 60, Appendix B, Specification 4. (b) The Owner shall evaluate the performance of the long-term sampling system in determining Dioxins and Furans emission trends and/or fluctuations as well as demonstrating the ongoing performance of the APC Equipment associated with the Boilers.	ECA 7(3)	2022 ECA Annual Report, Section 5.6 states that the samplers were operated to collect data during long-term sampling periods for performance evaluation. The performance was compared to the voluntary and compliance emission testing performed by Ortech detailed in Item 93. Additional reporting as a result a result of a council directive is conducted quarterly. Reports reviewed: DYEC Long-Term Sampling System Q1 report, January to March 2022 DYEC Long-Term Sampling System Q2 report, April to June 2022 DYEC Long-Term Sampling System Q3 Report, July to September 2022	(a) The Adsorption Method for Sampling (AMESA) system, was observed during the site walkthrough and the sampling cartridge is used for approximately 30 days before being removed for laboratory analysis. The AMESA system for Boiler 1 experienced a failure and required a number of components to be repaired or replaced during the Q3 reporting period, which reportedly led to an elevated sample result. Section 8 of the Durham York Energy Centre Long-Term Sampling System Quarterly (Q3) Report states that the dioxins and furans result met the regulatory compliance limit during the AMESA system failure. (b) Section 5 of the 2023 Annual Report states that the ongoing performance of the APC equipment has been successfully demonstrated in accordance with ECA condition 7(3)(b).
96	Ambient Air Monitoring ECA 7(4) (a) The Regions shall develop and implement the Ambient Air Monitoring and Reporting Plan, in accordance with the requirements set out in the EA Approval and as determined to be acceptable by the Regional Director. b) The Regions shall report the results of the Ambient Air Monitoring program to the Regional Director in accordance with the Ambient Air Monitoring and Reporting Plan and in accordance with the requirements of Condition 14. c) The Regions shall post the Ambient Air Monitoring and Reporting Plan and the results of the Ambient Air Monitoring program on the Owner's web site for the Facility in accordance with the requirements of the EA Approval and Condition 15.	ECA 7(4)	Ambient Air Quality Monitoring Plan, Stantec Consulting Ltd., May 8, 2012. MOECC letters of acceptance May 30, 2012 and June 5, 2012. Ambient Air Quality Monitoring Reports 2022: Q1 - Quarterly Ambient Air Quality Monitoring Report, RWDI, May 12, 2022 Q2 - Quarterly Ambient Air Quality Monitoring Report, RWDI, August 10, 2022 Q3 - Ambient Air Quality Monitoring Report, RWDI, November 11, 2022 Q4 - Ambient Air Quality Monitoring Report, RWDI, March 6, 2023 Posted on Regions website: https://www.durhamyorkwaste.ca/en/environmental-monitoring/ambient-air.aspx#2021-Ambient-Air-Reports	(a) Ambient Air Quality Monitoring Plan, Stantec Consulting Ltd., May 8, 2012. MOECC letters of acceptance May 30, 2012 and June 5, 2012. (b) Q1 - Q4 Reports available on DYEC website. (c) Q1 - Q4 Reports available on DYEC website.
97	Noise Monitoring - Acoustic Audit ECA 7(5) The Owner: (a) shall carry out Acoustic Audit measurements on the actual noise emissions due to the operation of the Facility. The Acoustic Audit measurements shall be carried out in accordance with the procedures in Publication NPC-103 and in accordance to the Noise Monitoring and Reporting Plan prepared in accordance with the requirements set out in the EA Approval and as approved by the Director; (b) shall submit an Acoustic Audit Report on the results of the Acoustic Audit, prepared by an Independent Acoustical Consultant, in accordance with the requirements of Publication NPC-233 and the Noise Monitoring and Reporting Plan prepared in accordance with the requirements set out in the EA Approval and as approved by the Director, to the District Manager and the Director, not later than three (3) months after the commencement of operation of the Facility.	ECA 7(5)	A revised Noise Monitoring and Reporting Plan was submitted to the Ministry on June 27, 2017. Acknowledgement was received by Ministry on September 21, 2017. The February 24, 2016 amendment notice 4 revoked the requirement to conduct annual acoustic measurements.	No change.
97 a	**Amended Conditions February 24, 2016 The following conditions were revoked as per the amendment. ECA 7(5) The Owner: (a) shall carry out Acoustic Audit measurements on the actual noise emissions due to the operation of the Facility. The Acoustic Audit measurements shall be carried out in accordance with the procedures in Publication NPC-103 and in accordance to the Noise Monitoring and Reporting Plan prepared in accordance with the requirements set out in the EA Approval and as approved by the Director; (b) shall submit an Acoustic Audit Report on the results of the Acoustic Audit, prepared by an Independent Acoustical Consultant, in accordance with the requirements of Publication NPC-233 and the Noise Monitoring and Reporting Plan prepared in accordance with the requirements set out in the EA Approval and as approved by the Director, to the District Manager and the Director, not later than three (3) months after the commencement of operation of the Facility.	Amended ECA 7 (5)	-	No change, condition revoked by February 24, 2016 amendment.
98	Noise Monitoring - Acoustic Audit 7(6) The Director: (a) may not accept the results of the Acoustic Audit if the requirements of Publication NPC-233 or the approved Noise Monitoring and Reporting Plan were not followed; (b) may require the Owner to repeat the Acoustic Audit if the results of the Acoustic Audit are found unacceptable to the Director.	ECA 7(6)	see Item 97	No change, see item 97.

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
98 a	**Amended Conditions February 24, 2016 The following conditions were revoked as per the amendment. 7(6) The Director : <i>(a) may not accept the results of the Acoustic Audit if the requirements of Publication NPC-233 or the approved Noise Monitoring and Reporting Plan were not followed;</i> <i>(b) may require the Owner to repeat the Acoustic Audit if the results of the Acoustic Audit are found unacceptable to the Director.</i>	Amended ECA 7(6)	-	No change, condition revoked by February 24, 2016 amendment.
99	Residual Waste Testing ECA 7(7) (a) A minimum of six (6) months prior to the Commencement Date of Operation, the Owner shall submit to the Director for approval, a Testing Protocol for testing of the bottom ash for compliance with the criteria set out in the "incinerator ash" definition from the O. Reg. 347 and for testing of the Residual Waste for compliance with the criteria set out in this Certificate. (b) As a minimum, the Testing Protocol shall comply with the Ministry's regulatory requirements for sampling and testing of waste, including the requirements set out in the Ministry's document entitled "Principles of Sampling and Analysis of Waste for TCLP under Ontario Regulation 347", dated February 2002, as amended.	ECA 7(7)	Complete and no updates in 2022.	No change, the Ash Sampling and Testing Protocol dated June 2014 was approved by the MOECC and implemented on the commencement of the DYEC operation.
100	(c) The Testing Protocol shall include the rationale for the proposed methods and the following: (i) a sampling protocol, including the proposed number of samples to be taken and their locations, to ensure that representative sample(s) are being tested for compliance with this Certificate; (ii) sample(s) handling and preserving procedures; (iii) analytical protocol for the applicable contaminants to ensure that appropriate analytical method(s) are being used for compliance testing required by this Certificate; and (iv) a testing protocol for the bottom ash during the Site commissioning period. (d) The Owner shall implement the Testing Protocol on the Commencement Date of Operation.	ECA 7(7)	The MOECC approved the Ash Sampling and Testing Protocol dated June 2014 and was implemented on the Commencement Date of Operation, February 9, 2015.	No change, completed in 2014.
101	(e) The Owner shall carry out the required bottom and fly ash compliance testing in accordance with the document entitled "Ash Sampling and Testing Protocol", listed in the attached Schedule.	ECA 7(7)	Fly ash testing was not required in 2022; the next triennial sampling should occur in 2023. Bottom ash was sampled on a quarterly basis with a one-day sample program on February 15, June 13, September 13 and November 8, 2022. The 2022 ECA Report states that the bottom ash continues to meet the definition of 'incinerator ash'. Bottom Ash Test Checklist is used to document sampling.	Section 3.1 of the 2023 Annual Report states that bottom ash was sampled quarterly on March 7, May 16, August 28, and December 4, 2023 and fly ash was sampled quarterly March 7, May 16, July 31, and October 30, 2023.
102	Residual Waste Testing ECA 7(8) For handling of the bottom ash as a solid non-hazardous waste, the Owner shall follow the following schedule for compliance testing: (a) for the Site commissioning period, the bottom ash shall be tested in accordance with the Testing Protocol approved by the Director; (b) for the period following the Site commissioning period, the bottom ash shall be tested for the content of the combustible materials on an annual basis, until the compliance testing results indicate that the bottom ash meets the "incinerator ash" definition from the O. Reg. 347 for three (3) consecutive years, following which a triennial compliance testing event may be carried out;	ECA 7(8)	a) completed and no updates in 2022 b) see item 101	a) See Item 91. b) See item 101.
103	(c) should any annual or triennial compliance testing event indicate that the bottom ash does not meet the "incinerator ash" definition, prior to each of the next three (3) shipments from the Site, compliance testing of each of the three (3) shipments shall be carried out. Once three (3) consecutive tests re-establish compliance with the "incinerator ash" definition from the O. Reg. 347 and that the bottom ash does not exceed the Leachate Toxicity Criteria, the compliance testing schedule set out in Condition 7.(8)(b) may be resumed; and (d) should the results of any compliance testing of the bottom ash indicate that the concentrations of the leachate toxic contaminants in the bottom ash equal to or exceed the Leachate Toxicity Criteria, the bottom ash shall be handled as a hazardous waste. Once three (3) consecutive tests re-establish that the bottom ash does not exceed the Leachate Toxicity Criteria, the bottom ash compliance testing schedule set out in Condition 7.(8)(b) may be resumed.	ECA 7(8)	See item 101.	See Item 91.
104	7 (9) (a) For handling of the bottom ash as a hazardous waste and for handling of the fly ash, prior to final disposal at a hazardous waste landfill site in Ontario, the Owner shall undertake any sampling and testing that would be required to comply with the LDR requirements set out in the EPA and the O. Reg. 347.	ECA 7(9)(a)	See item 101.	See Item 91.

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
105	ECA 7(9)(b) The Owner shall follow the following schedule for compliance testing: (i) prior to each of the first three (3) shipments of the ash from the Site, the ash shall be tested so that for the compliance with the LDR requirements can be demonstrated; (ii) following the three (3) initial compliance testing events, the ash shall be tested on an annual basis, until the compliance testing results indicate that the ash meets the LDR requirements during the three (3) consecutive years, following which a triennial compliance testing may be carried out; and (iii) should any annual or triennial compliance testing event indicate that the ash does not meet the LDR requirements, prior to next three (3) shipments from the Site, compliance testing of each of the three (3) shipments shall be carried out. Once three (3) consecutive tests re-establish compliance with the LDR requirements, the compliance testing schedule set out in Condition 7.(9)(b)(ii) may be resumed.	ECA 7(9)(b)	See item 101.	See Item 91.
106	Soil Testing: ECA 7(10)(a) Within one hundred and twenty (120) days from the date of this Certificate, the Regions shall undertake the soil testing in accordance with the Soil Testing Plan required by this Certificate. (b) The soil testing shall be repeated every three (3) years or as agreed upon in writing by the Regional Director.	ECA 7 (10)	DYEC 2020 Soil Testing Report, RWDI, October 20, 2020 indicates sampling was conducted on August 19, 2020. The next soil sampling will take place in August 2023.	Previous soil sampling report completed in 2020, Durham York Energy Centre: 2023 Soil Testing Report (RWDI) available on DYEC Website.
107	Disposal of Residual Waste ECA 7(11) The Owners shall ensure that no portion of the Residual Waste undergoing compliance testing is transferred from the Site until the results of the compliance testing required by this Certificate demonstrate compliance with the relevant Ministry's requirements. ECA 7(12) Bottom ash that is not a hazardous waste, as defined in the O. Reg. 347, may be disposed of at an approved non-hazardous waste landfill site or at a site approved to accept such waste by an appropriate government agency of equivalent jurisdiction. ECA 7(13) Residual Waste shall be treated to comply with the LDR requirements set out in the EPA and the O. Reg. 347 prior to disposal of at an approved hazardous waste landfill site or at a site approved to accept such waste by an appropriate government agency of equivalent jurisdiction.	ECA 7 (11, 12, 13)	See item 101.	See Item 91.
108	Groundwater and Surface Water Monitoring ECA 7(14) (a) The Regions shall develop and implement the Groundwater and Surface Water Monitoring Plan, in accordance with the requirements set out in the EA Approval and as determined to be acceptable to the Regional Director. (b) The Regions shall report the results of the Groundwater and Surface Water Monitoring program to the Regional Director and to the Director in accordance with the schedule set out in the EA Approval and in accordance with the requirements of Condition 14. (c) The Regions shall post the Groundwater and Surface Water Monitoring Plan and the results of the Groundwater and Surface Water Monitoring program on the Owner's web site for the Facility in accordance with the requirements of the EA Approval and Condition 15.	ECA 7 (14)	a) Groundwater and Surface Water Monitoring Plan, Stantec, September 14, 2011 (submitted to MOECC September 15, 2011). MOECC letters of acceptance October 14, 2011. Request to MOECC for Change to Surface Water Monitoring Program, submitted April 29, 2016. MOECC letter of acceptance May 17, 2016. Ministry approved reduction in GW sampling frequency on May 7, 2019. b) 2021 Annual Groundwater Surface Water Annual Report, RWDI, April 27, 2022 c) posted on web site: https://www.durhamyorkwaste.ca/en/environmental-monitoring/groundwater-and-surface-water.aspx#2020 All on-site monitoring wells were observed to be locked in 2022.	(a) Groundwater and Surface Water Monitoring Plan, prepared by Stantec, dated September 14, 2011 (submitted to MOECC September 15, 2011). MOECC letters of acceptance October 14, 2011. (b) 2023 Draft report was made available through the shared drive, the final report is due for submission at the end of April 2024. (c) 2023 report has not been finalized or posted as of April 16, 2024 Monitoring wells were observed to be locked during the 2023 site walkthrough.
109	ECA 8 NUISANCE IMPACT CONTROL and HOUSEKEEPING Odour Management (1) (a) The Owner shall maintain a negative air pressure atmosphere in the Tipping Building at all times to contain any potential odours within the confines of the Tipping Building. (b) (i) Once per year, or as required by the District Manager, the Owner shall undertake a test to measure the worse case scenario negative air pressure atmosphere throughout the Tipping Building, while the activities approved in this Certificate are carried out in the Tipping Building. (ii) Notwithstanding the requirements set out in Condition 8.(1)(b)(i), the Owner shall install sufficient instrumentation to measure the air flow into the Boilers and demonstrate that adequate air flow is maintained to maintain a negative air pressure atmosphere throughout the Tipping Building. (c) In the event that adequate negative air pressure cannot be maintained, the Owner shall implement any necessary additional odour containment and control measures, including, but not necessarily limited to, those in the required Contingency and Emergency Response Plan.	ECA 8(1)	2022 Odour Management and Mitigation Monitoring Report, Covanta, November 2022: "regular maintenance and inspection activities are performed to ensure that doors and roof vents are closed and that the building envelope remains in good condition." Reviewed Weekly Environmental Checklist.	(a) The air flow is automatically adjusted using baffles and monitored in the Control Room, observed during site walkthrough. (b) See containment test Method 22 (results of testing available on-site). Section 4.4 of the 2023 DYEC Odour Management and Mitigation Monitoring Report states that the result of this test was well within the compliance limit. (c) No change. Section 5 of the 2023 DYEC Odour Management and Mitigation Monitoring Report states that an Aqua Fog® Odour Control unit can be used for misting during unscheduled shutdowns. The same section states that the use of the misting unit was not required during the reporting period (November 1st, 2022, to October 31st, 2023).

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
110	ECA 8(2) The Owner shall ensure that the entrance and exit doors into the Tipping Building, the Residue Building and the Grizzly Building are kept closed at all times except to permit the entry or exit of the respective waste transport vehicles and waste handling equipment into and out of these Buildings. (3) The Owner shall ensure that, at all times, the air from the Tipping Building, the Residue Building, the Grizzly Building and from the Equipment is exhausted through an appropriate and fully functional APC Equipment approved by this Certificate. (4) The Owner shall undertake appropriate housekeeping activities, including regular cleaning of the tipping floor to control potential sources of fugitive odour emissions. (5) The Owner shall ensure that no Waste handling equipment or empty storage containers are stored outside, unless they have been washed to prevent fugitive odour emissions.	ECA 8 (2 to 5)	8(2) All doors were observed to be closed except for when receiving trucks. 8(3) Observed during site visit - The daily and quarterly calibrations of the APC sensors were reviewed and the monthly and biannual PMs of the APC sensors were reviewed. SOP DYEC-ENV-021 Daily Trace Reports describes procedure for daily calibration events. 8(4) Interior of tipping floor was observed to be well maintained. 8(5) No waste handling equipment or empty storage containers were observed to be stored outside.	(2) One person door within the Grizzly Building was observed to be damaged and ajar during the site walkthrough. Maintenance staff are aware of this issue. (3) APC system daily trace records were observed. (4) The Tipping Floor appeared well maintained during the site walkthrough and is washed at the end of each shift, as discussed with staff during site walkthrough. (5) Waste handling equipment was not observed outside - some contractor waste bins were observed outside.
111	ECA 8 (6) The Owner shall regularly clean all equipment and storage areas that are used to handle, process and store waste at the Site, including the surfaces of the outdoor spill containment areas, as required. (7) (i) Prior to the receipt of Waste at the Site, the Owner shall provide documentation which outlines the testing carried out by a licensed structural engineer to confirm the effectiveness of the containment in the buildings, conveyors and tanks and silos at the Site. (ii) The testing shall be carried out and repeated as directed by the District Manager in accordance with the test protocol prepared in consultation with and approved by the District Manager. (iii) These tests shall be repeated as directed or agreed by the District Manager. (8) The Owner shall prepare and implement an Odour Management and Mitigation Plan in accordance with the requirements set out in the EA Approval and as determined to be acceptable to the Regional Director.	ECA 8 (6 to 8)	8(6) Weekly Environmental Site Inspection Form and Outside Environmental Checklist 8(7) (i-iii) no updates in 2022 8(8) Odour Management and Mitigation Plan in place. 2022 Odour Management & Mitigation Monitoring Report, November 2022	(6) This is completed weekly and documented though the Weekly Environmental Site Inspection Form and Outside Environmental Checklist (7)(i-iii) no change (8) Odour Management and Mitigation Plan in place. 2023 report available on DYEC website.
112	ECA 8(9) (a) In addition to the requirements set out in the EA Approval, the Odour Management and Mitigation Plan shall include the following: (i) identification of all potential sources of odourous emissions;(ii) description of the preventative and control measures to minimize odourous emissions from the identified sources; (ii) description of the preventative and control measures to minimize odourous emissions from the identified sources; (iii) procedures for the implementation of the Odour Management and Mitigation Plan; (iv) inspection and maintenance procedures to ensure effective implementation of the Odour Management and Mitigation Plan; and (v) procedures for verification and recording the progress of the implementation of the Odour Management and Mitigation Plan. (b) The Owner shall continue to submit an updated Odour Management and Mitigation Plan until such time as the Regional Director notifies the Owner in writing that further submissions are no longer required.	ECA 8 (9)	Odour Management and Mitigation Plan, Golder, Issued August 2011 and Revised December 2014 (i) Section 4.1 (ii) Section 4.4 (iii) Section 4.5 (iv) Section 5.0 v) Section 6.0 (b) Acceptance letter from MOECC, August 21, 2012, regarding Odour Management and Mitigation Plan	No change. Odour Management and Mitigation Plan, Golder, Issued August 2011 and Revised December 2014 (i) Section 4.1 (ii) Section 4.4 (iii) Section 4.5 (iv) Section 5.0 v) Section 6.0 (b) Acceptance letter from MOECC, August 21, 2012, regarding Odour Management and Mitigation Plan
113	ECA 8(10) Vehicles and Traffic (a) The Owner shall ensure that all vehicles transporting waste to and from the Site are not leaking or dripping waste when arriving at or leaving the Site. (b) Should the Owner become aware that the truck(s) delivering waste to the Site have leaked wastewater on the municipal roadways, the Owner shall immediately report the violation to the owner of the vehicle(s) and to the District Manager. (c) The Owner shall ensure that the exterior of all vehicles delivering Waste to the Site or hauling waste from the Site is washed prior to the trucks' departure from the Site, if necessary. (d) Any necessary truck washing shall occur only in the designated wash down area of the Tipping Building or the Residue Building.	ECA 8 (10)	a) None observed during site visit. The Scale House operator interviewed indicated that they visually check trucks upon arrival and departure for signs of leaking. See also note above about visual instruction to drivers. b) 2022 hydraulic leak from truck to the tipping floor occurred on September 15, 2022 but no leak occurred off site (see incident report 22-08). c,d) Washing not observed during site visit.	(a) None observed during site walkthrough. This was discussed with the Scale House operator who observes this to the extent possible. The Tipping Floor personnel also note that they monitor for leaking or dripping from vehicles. (b) No spills were reported by staff. (c) No washing required on-site (d) No washing observed on-site. No truck washing was reported by staff.
114	ECA 8(11) The Owner shall ensure that there is no queuing or parking of vehicles that are waiting to enter the Site on any roadway that is not a distinct part of the Site.	ECA 8(11)	Did not observe queuing or parked vehicles waiting to enter the site during the site visit.	None observed during site walkthrough.
115	ECA 8(12) The Owner shall: (a) take all practical steps to prevent the escape of litter from the Site; (b) pick up litter around the Site on a daily basis, or more frequently if necessary; and (c) if necessary, erect litter fences around the areas causing a litter problem.	ECA 8 (12)	Very little litter (3 pieces) were observed around the site on April 4, 2023.	Wind blown litter was observed during the site walkthrough. The daily Outside environmental Checklist indicates whether litter is observed. Every month during Power Hour (all staff effort), available staff clean up litter, records were made available.

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
116	ECA 8(13) Dust The Owner shall ensure that all on-site roads and operations/yard areas are regularly swept/washed to prevent dust impacts off-Site.	ECA 8 (13)	Roadways were dry but the surrounding grass was wet at the time of the site visit on April 4, 2023; there were no visual dust impacts noted.	The roads were dry and minimal dust was observed during the site walkthrough.
117	ECA 8(14) Vermin and Vectors The Owner shall: (a) implement necessary housekeeping procedures to eliminate sources and potential sources of attraction for vermin and vectors; and (b) hire a qualified, licensed pest control professional to design and implement a pest control plan for the Site. The pest control plan shall remain in place, and be updated from time to time as necessary, until the Site has been closed and this Certificate has been revoked.	ECA 8 (14)	There are 43 exterior stations and 23 interior stations, based on the 2022 Monthly Pest Control Status Reports. Pest control bait stations observed throughout the facility, including exterior to the Grizzly Building and scale house. One unit outside on the west side of the Scale House was broken and open.	The 2023 Pest Control report was provided through the shared drive. One pest control unit near the northern fence was observed to be ajar during the site walkthrough. Abell Pest Control implements the pest control plan at the site.
118	Visual Screening ECA 8(15) The Owner shall provide visual screening for the Site in accordance with the documentation included in the attached Schedule "A".	ECA 8 (15)	Municipality of Clarington still needs to sign off on tree installation. The trees have been installed but continue to die-off; this has been an on-going issue. The type of tree that was approved by Municipality does not suit the area. The Regions Climate Change Office is now working with Trees for Life on a tree planting campaign at the facility, including the east boundary.	Some newly planted trees were observed along the perimeter during the site walkthrough, however dead trees were also observed. DYEC staff indicate that they have been working with the Trees for Life initiative to plant trees at the site including the east boundary, and are awaiting finalized details.
119	9. STAFF TRAINING ECA 9(1) (a) The Owner shall ensure that all operators of the Site are trained with respect to the following, as per the specific job requirements of each individual operator: (i) terms and conditions of this Certificate and the requirements of the EA Approval; (ii) operation and management of the Site, or area(s) within the Site, as per the specific job requirements of each individual operator, and which may include procedures for receiving, screening and identifying Waste, refusal, handling, processing and temporarily storing wastes, operation of the Equipment, the APC Equipment, the CEM System and the Works; (iii) testing, monitoring and operating requirements; (iv) maintenance and inspection procedures;	ECA 9(1)	No change in 2022. (Covanta Training Matrix included ECA training requirements. Covanta also has Operator Qualification Program pertaining to job specific training requirements. 2018 Audit)	No change in 2023. The Covanta Training Matrix, the Operator Manual, and Covanta SOPs were provided for review and are available to staff on-site as confirmed during the site walkthrough.
120	(v) recording procedures; (vi) nuisance impact control and housekeeping procedures; (vii) procedures for recording and responding to public complaints; (viii) an outline of the responsibilities of Site personnel including roles and responsibilities during emergency situations; (ix) the Contingency and Emergency Response Plan including exit locations and evacuation routing, and location of relevant equipment available for emergency situations; (x) environmental, and occupational health and safety concerns pertaining to the wastes to be handled; (xi) emergency first-aid information; and (xii) relevant waste management legislation and regulations, including the EPA, the OWRA, the O. Reg. 347, the O. Reg. 419/05 and the Ministry guidelines affecting thermal treatment facilities.	ECA9(1)	See item 119.	(v-vii,xii)The Covanta Training Matrix, the Operator Manual, and Covanta SOPs were provided for review and are available to staff on-site as confirmed during the site walkthrough. (viii-xi) Provided in the Contingency and Emergency Response Plan, available on the website and on-site.
121	ECA 9(2) The Owner shall ensure that all personnel are trained in the requirements of this Certificate relevant to the employee's position: (a) upon commencing employment at the Site in a particular position; (b) whenever items listed in Condition 9.(1) are changed or updated; and (c) during the planned refresher training.	ECA9(2)	See item 119.	See item 119.
122	10. COMPLAINTS / ODOUR-CONTAMINANT EMISSIONS RESPONSE PROCEDURE ECA 10(1) The Owner or a designated representative of the Owner shall be available to receive public complaints caused by the operations at the Site twenty-four (24) hours per day, seven (7) days per week.	ECA 10(1)	Online Feedback Form, email or telephone number as per website are available twenty-four hours per day, seven days per week.	No change. Complaints are received via telephone, email, or the DYEC website comment form 24 hours/day and are posted on the website.
123	ECA 10(2) If at any time, the Owner or the Ministry receives a complaint or the Owner or the Provincial Officer detects an emission of odour or any contaminant, (Emission Event), from the Site, in addition to the requirements set out in the EA approval, the Owner shall record all relevant information in the computerized tracking system and shall respond to the complaint/Emission Event according to the following procedure:	ECA 10(2)	There were four complaints documented at the facility in 2022: May 11, June 6, August 2 and September 7 Records indicate that the MECP was notified of the investigation within three business days.	There were no complaints during 2023. Complaint logs and Complaint Protocol are available on the DYEC website.

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
124	Step 1: Record of Complaint/Emission Event ECA 10 (2)(a) (i) The Owner shall record each complaint/Emission Event and each record shall include the following: (A) name, address and the telephone number of the complainant, if known; (B) time and date of the complaint/Emission Event; (C) details of the complaint; and (ii) After the complaint/Emission Event has been recorded in the tracking system, the Owner shall immediately report to the District Manager by phone or e-mail during office hours and to the Ministry's Spills Actions Centre at 1-800-268-6060 after office hours on the receipt of the complaint or occurrence of the Emission Event.	ECA 10(2)	See item 123.	See Item 123.
125	Step 2: Investigation and Handling of Complaint/Emission Event ECA 10(2)(b) The Owner shall immediately initiate investigation of the complaint/Emission Event. As a minimum, the investigation shall include the following: (i) determination of the activities being undertaken at the Site at the time of the complaint/Emission Event; (ii) meteorological conditions including, but not limited to the ambient temperature, approximate wind speed and its direction. (iii) determination if the complaint is attributed to activities being undertaken at the Site and if so, the possible cause(s) of the complaint/Emission Event; and (iv) determination of the remedial action(s) to address the cause(s) of the Complaint/Emission Event, and the schedule for the implementation of the necessary remedial action(s).	ECA 10(2)	See item 123.	See Item 123.
126	ECA 10(2)(c) The Owner shall respond to the complainant, if known, and the response shall include the results of the investigation of the Complaint, the action(s) taken or planned to be taken to address the cause(s) of the Complaint, and if any follow-up response(s) will be provided. (d) Upon completed investigation of the Complaint/Emission event, the Owner shall, within three (3) business days, submit a report to the District Manager on the Complaint, on the action(s) taken or planned to be taken to address the cause(s) of the Complaint and on all proposed action(s) to prevent recurrence of the Complaint/Emission Event in the future.	ECA 10(2)	See item 123.	See Item 123.
127	ECA 10(3) If, in the opinion of the District Manager, failure of the APC Equipment and/or any other process or equipment upset or malfunction results in off-site Complaint/Emission Event, confirmed by the Owner or a Provincial Officer of the Ministry, the Owner shall, immediately upon notification from the District Manager, implement any necessary additional control measures, including, but not necessarily limited to, those in the Contingency and Emergency Response Plan required by this Certificate.	ECA 10(3)	N/A no equipment upset or malfunction related to Complaint/Emission event in 2022.	Control measures can be found in the Fugitive Dust and Odour Control SOP D-ENV-003. 2023 odour log was reviewed during site walkthrough and no odours were observed in 2023 requiring implementation of additional control measures. No orders from MECP were received in 2023.
128	ECA 10(4) If the District Manager deems the additional control measures taken as per condition 10.(3) to be unsuitable, insufficient or ineffective, the District Manager may direct the Owner, in writing, to take further measures to address the noted failure, upset or malfunction including pursuant to section 39 of the EPA requiring a reduction in the receipt of Waste, cessation of the receipt of Waste, removal and off-site disposal of Waste from the Tipping Building as well as making repairs or modifications to equipment or processes.	ECA 10(4)	See item 127.	See item 127.
129	11. CONTINGENCY and EMERGENCY RESPONSE PLAN ECA 11 (1)(a) The Owner shall develop and implement a Contingency and Emergency Response Plan in accordance with the requirements set out in the EA Approval. (b) Notwithstanding the requirements set out in the EA Approval, the Contingency and Emergency Response Plan shall be prepared in consultation with the District Manager or designate, the local Municipality and the Fire Department. ECA 11(2) In addition to the requirements set out in the EA Approval, the Contingency and Emergency Response Plan, as a minimum, shall include the following: (a) the Site plan clearly showing the equipment layout and all storage areas for wastes and reagents;	ECA 11 (1 to 2 a)	11(1)(a) Spill Contingency & Emergency Response Plan, January 13, 2014 (submitted January 29, 2014). Completed as a pre-condition requirement. 11(1)(b) Section 13 Document Review 11(2)(a) Appendix A Equipment layout and all storage areas for wastes and reagents ECA Notice No. 1 (Issued August 12, 2014) included the Spill Contingency and Emergency Response Plan. A revised version of the DYEC Spill Contingency and Emergency Response Plan Revision #1, December 18, 2020 was submitted to the Ministry on March 30, 2021 and approved by the MECP on June 28, 2021. 11(2)(a) Appendix A and B. Spill response training was completed for 37 COVANTA workers in 2022. This training included new process regarding transfer from Jerry Cans. EAP training records were verified for Control Room Operator and Scale House attendant. Both were completed.	(1) Spill Contingency & Emergency Response Plan, January 13, 2014 (submitted January 29, 2014). Completed as a pre-condition requirement. (b) Section 13 Document Review (a) Appendix A Equipment layout and all storage areas for wastes and reagents. ECA Notice No. 1 (Issued August 12, 2014) included the Spill Contingency and Emergency Response Plan. A revised version of the DYEC Spill Contingency and Emergency Response Plan Revision #3, January, 2024 was submitted to the Ministry on January 26, 2024. (2)(a) the Site plan clearly showing the equipment layout and all storage areas for wastes and reagents shown in Appendix A and B of the revised DYEC Spill Contingency and Emergency Response Plan Revision #3, dated January, 2024. The revised plan was submitted to the MECP on January 26, 2024 (available on DYEC website).

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
130	ECA 11 (2)(b) a list of Site personnel responsible for the implementation of the contingency measures and various emergency response tasks and their training requirements; ECA 11 (2)(c) a list of equipment and materials required for the implementation of the contingency measures and the emergency situation response; ECA 11 (2)(d) maintenance and testing program for equipment required for the implementation of the contingency measures and the emergency situation response; ECA 11 (2)(e) procedures to be undertaken as part of the implementation of the contingency measures and the emergency situation response; ECA 11 (2)(f) names and telephone numbers of waste management companies available for emergency response;	ECA 11 (2b to 2f)	11(2)(b) Sections 2.1, 3.4 11(2)(c) Section 4 11(2)(d) Section 4.7 11(2)(e) Sections 5 and 6 11(2)(f) Appendix C	(b) see Durham York Energy Centre Spill Contingency and Emergency Response Plan Revision 1, Section 2.1 and 3.4 (c) see Durham York Energy Centre Spill Contingency and Emergency Response Plan Revision 1 Section 4 (d) see Durham York Energy Centre Spill Contingency and Emergency Response Plan Revision 1 Section 4.7 (e) see Durham York Energy Centre Spill Contingency and Emergency Response Plan Revision 1 Sections 5, 6 (f) see Durham York Energy Centre Spill Contingency and Emergency Response Plan Revision 1 Appendix C
131	ECA 11 (2)(g) notification protocol, with names and telephone numbers of persons to be contacted, including the Owner, the Site personnel, the Ministry of the Environment Spills Action Centre and the York Durham District, the local Fire and Police Departments, the local Municipality, the local Medical Officer of Health, and the Ministry of Labour; ECA 11 (2)(h) procedures and actions to be taken should the incoming Waste not meet the applicable quality criteria specified in this Certificate; ECA 11 (2)(i) procedures and actions to be taken should the outgoing Residual Waste fail to meet the criteria specified in this Certificate; ECA 11 (2)(j) procedures and actions to be taken should the current disposal options for the outgoing Residual Waste become unavailable; ECA 11 (2)(k) design of the contingency measure, procedures and actions should the emissions from the Site, including the fugitive odour/dust emissions, cause occurrences of public Complaints; ECA 11 (2)(l) procedures and actions to be taken should the Owner be unable to maintain the negative pressure in the Tipping Building; ECA 11 (2)(m) procedures and actions to be taken should the occurrence of Complaints require the Owner to suspend the waste processing activities at the Site; and	ECA 11 (2g to m)	11(2)(g) Section 7 and Appendix C 11(2)(h) Sections 6.3 and 6.4 11(2)(i) Section 6.6 11(2)(j) Section 6.6 11(2)(k) Section 7.1 11(2)(l) Section 6.8 11(2)(m) Section 6.5	(g) see Durham York Energy Centre Spill Contingency and Emergency Response Plan Revision 1 Section 7 and Appendix C (h) see Durham York Energy Centre Spill Contingency and Emergency Response Plan Revision 1 Sections 6.3 and 6.4 (i) see Durham York Energy Centre Spill Contingency and Emergency Response Plan Revision 1 Section 6.6 (j) see Durham York Energy Centre Spill Contingency and Emergency Response Plan Revision 1 Section 6.6 (k) see Durham York Energy Centre Spill Contingency and Emergency Response Plan Revision 1 Section 7.1 (l) see Durham York Energy Centre Spill Contingency and Emergency Response Plan Revision 1 Section 6.8 (m) see Durham York Energy Centre Spill Contingency and Emergency Response Plan Revision 1 Section 6.5
132	ECA 11 (2)(n) identification and risk assessment of all reasonably foreseeable incidents that may result in a discharge into the natural environment of any contaminant in an amount, concentration or level in excess of that prescribed by the Regulations and/or imposed by this Certificate, including but not limited to: (i) a breakdown of the Facility/Equipment or part of the Facility/Equipment, including the APC Equipment and the CEM Systems associated with the Boilers; (ii) CEM Systems indicate that the Boilers and associated APC Equipment have been out of compliance with the Performance Requirements; (iii) any change in process parameters which may result in non compliance with the Performance Requirements; (iv) power failure resulting in the use of the Emergency Diesel Generator or Total Power Failure; and (v) description of the preventative and control measures to minimize the occurrence or impacts of the above incidents; and	ECA 11 (2n)	11(2)(n) Section 3.1 11(2)(n)(i) Section 6 11 (2) (n) (ii) Section 6.1 11 (2) (n) (iii) Section 6.1 11 (2) (n) (iv) Sections 3.1 and 5.5 11 (2) (n) (v) Section 3.1	(n) see Durham York Energy Centre Spill Contingency and Emergency Response Plan Revision 1 Section 3.1 (i) see Durham York Energy Centre Spill Contingency and Emergency Response Plan Revision 1 Section 6 (ii) see Durham York Energy Centre Spill Contingency and Emergency Response Plan Revision 1 Section 6.1 (iii) see Durham York Energy Centre Spill Contingency and Emergency Response Plan Revision 1 Section 6.1 (iv) see Durham York Energy Centre Spill Contingency and Emergency Response Plan Revision 1 Sections 3.1 and 5.5 (v) see Durham York Energy Centre Spill Contingency and Emergency Response Plan Revision 1 Section 3.1
133	(vi) procedures for corrective measures and timelines to take to address the above incidents in a timely manner to effectively prevent or minimize the discharge of any contaminant into the natural environment and continue to maintain compliance with the EPA , the Regulations and this Certificate, including procedures for Waste Processing Rate reduction, waste feed cut-off, Controlled Shutdown or Emergency Shutdown of the Boilers as applicable.	ECA 11 (2n)	11(2)(n)(vi) Sections 5 and 6	(vi) see Durham York Energy Centre Spill Contingency and Emergency Response Plan Revision 1 Sections 5 and 6
134	ECA 11 (3) The Owner shall submit the finalized Contingency and Emergency Response Plan to the Director a minimum of one hundred and twenty (120) days prior to the Commencement Date of Operation, for approval. ECA 11 (4) An up-to-date version of the Contingency and Emergency Response Plan shall be kept at the Site at all times, in a central location available to all staff, and it shall be available for inspection by a Provincial Officer upon request. ECA 11 (5) The Owner shall ensure that the names and telephone numbers of the persons to be contacted in the event of an emergency situation are kept up-to-date, and that these numbers are prominently displayed at the Site and at all times available to all staff and emergency response personnel. ECA 11 (6) The Contingency and Emergency Response Plan shall be reviewed on a regular basis and updated, as necessary. The revised version of the Contingency and Emergency Response Plan shall be submitted to the local Municipality and the Fire Department for comments and to the District Manager for comments and concurrence. ECA 11 (7) The Owner shall implement the recommendations of the updated Contingency and Emergency Response Plan, immediately upon receipt of the written concurrence from the District Manager.	ECA 11 (3 to 7)	11(3) Spill Contingency & Emergency Response Plan, January 13, 2014 (submitted January 29, 2014). 11(4) A revised version of the DYEC Spill Contingency and Emergency Response Plan Revision #1, December 18, 2020 was submitted to the Ministry on March 30, 2021 and accepted by the MECP on June 28, 2021. 11(5) Emergency contact list included in Spill Continency and Emergency Response Plan. 11(6) See ECA 11(4) above 11(7) ECA Notice No. 1 (Issued August 12, 2014) included the Spill Contingency and Emergency Response Plan and updated Appendix A	(3) Spill Contingency & Emergency Response Plan, January 13, 2014 (submitted January 29, 2014). (4) A revised version of the DYEC Spill Contingency and Emergency Response Plan Revision #1, December 18, 2020 was submitted to the Ministry on March 30, 2021 and accepted by the MECP on June 28, 2021. (5) Emergency contact list included in Spill Continency and Emergency Response Plan. (6) See ECA 11(4) above (7) ECA Notice No. 1 (Issued August 12, 2014) included the Spill Contingency and Emergency Response Plan and updated Appendix A

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
135	ECA 11(8) Containment evaluations performed under the Spill Contingency and Emergency Response Plan shall be conducted by the Owner in accordance to procedures agreed by the District Manager pursuant to Conditions 8.(7)(i),(ii) and (iii).	ECA 11(8)	See item 134.	Section 6.7 of the DYEC Spill Contengency and Emergency Response Plan which states all reagent silos undergo a quarterly observation to confirm containment. Records of these observations viewed on-site.
136	ECA 12. EMERGENCY SITUATION RESPONSE and REPORTING (1) The Owner shall immediately take all measures necessary to contain and clean up any spill or leak which may result from the operation at this Site and manage any emergency situation in accordance with the Contingency and Emergency Response Plan. (2) The Owner shall ensure that the equipment and materials listed in the Contingency and Emergency Response Plan are immediately available at the Site, are in a good state of repair, and fully operational at all times. (3) The Owner shall ensure that all Site personnel responsible for the emergency situation response are fully trained in the use of the equipment and related materials, and in the procedures to be employed in the event of an emergency. (4) All Spills as defined in the EPA shall be immediately reported to the Ministry's Spills Action Centre at 1-800-268-6060 and shall be recorded in the log book as to the nature of the emergency situation, and the action taken for clean-up, correction and prevention of future occurrences.	ECA 12	12 (2) As per the Covanta DYEC Emergency Action Plan/Fire Safety Plan. (3) Training on the Covanta DYEC Emergency Action Plan/Fire Safety Plan occurs annually. (4) There were no reportable spills documented in 2022. In 2022, one spill was reported to the MECP as a precautionary measure. The MECP confirmed that the spill was exempt from reporting requirements.	(1) Spill Contingency & Emergency Response Plan, dated December 2020 (available on website). No spills or emergency situations were reported in 2023. (2) Spill kits, First Aid & AEDs, fire fighting equipment, eye wash/ shower stations, AquaFog Micronutrient System (not used frequently - 2 years go), Radiation Detection Equipment (refer to item 53) are immediately available at the Site, are in a good state of repair, and fully operational inspected monthly (records of inspection are saved to Covanta shared drive). (3) Training on the Covanta DYEC Emergency Action Plan/Fire Safety Plan occurs annually - records provided through Covanta Training Matrix. (4) No spills or emergency situations were reported in 2023. Minor spills occurred, records were provided through the shared drive but no spills were reported due to the volume or type of material.
137	ECA 13. SUBMISSIONS to the REGIONAL DIRECTOR or DISTRICT MANAGER (1) The Owner shall notify the District Manager in writing, at least six (60) days prior to the scheduled date for the first receipt of Waste at the Site, as to whether or not the construction of the Facility has been carried out in accordance with this Certificate to a point of Substantial Completion. (2) (a) The Owner shall forthwith notify the District Manager and the Spills Action Centre by telephone, when any of the following incidents occur that may result in a discharge into the natural environment of any contaminant in an amount, concentration or level in excess of that prescribed by the Regulations and/or imposed by this Certificate: (i) CEM Systems indicate that the Boilers and associated APC Equipment have been out of compliance with the Performance Requirements triggering a Waste Processing Rate Reduction, Waste Feed cut-off, Controlled Shutdown or Emergency Shutdown as specified in the Emergency Response and Contingency Plan; (ii) failure of the APC Equipment associated with the Boilers; and (iii) power failure resulting in the use of the emergency diesel generator or Total Power Failure;	ECA 13 (1 to 2a)	1) Complete and no update for 2022. 2) None reported for 2022	(1) Completed in 2014 - no update for 2023 (2) None reported for 2023, see 2023 Annual Report Section 11.
138	13 (2) (b) In addition to fulfilling the notification requirements from the EPA, the Owner shall prepare and submit a written report to the District Manager with respect to any of the above said occurrences, within five (5) calendar days of the occurrence, in the following format: (i) date of the occurrence; (ii) general description of the occurrence; (iii) duration of the occurrence; (iv) effect of the occurrence on the emissions from the Facility; (v) measures taken to alleviate the effect of the occurrence on the emissions from the Facility; and (vi) measures taken to prevent the occurrence of the same or similar occurrence in the future.	ECA 13 (2 b)	None in 2022	(2) no such occurrences reported in 2023.
139	ECA 13. SUBMISSIONS to the REGIONAL DIRECTOR or DISTRICT MANAGER CONTINUED (3) Should a Spill, as defined in the EPA, occur at the Site, in addition to fulfilling the requirements from the EPA and applicable regulations, the Owner shall submit to the District Manager a written report within three (3) calendar days outlining the nature of the Spill, remedial measure taken and the measures taken to prevent future occurrences at the Site. (4) (a) Within ninety (90) days from the date of this Certificate, the Regions shall prepare and submit to the District Manager for concurrence, a Soil Testing Plan to monitor the impact of the Site operations at the locations where the ambient air monitoring is proposed by the Owner in accordance with the requirements set out in the EA Approval.	ECA 13 (3 to 4 a)	3) See item 148 4 a) DYEC Soils Testing Plan, Revision 3, March 7, 2014 and updated by DYEC Soils Testing Plan, Revision 4, July 10, 2020	(3) no spills were reported in 2023. (4)(a) DYEC Soils Testing Plan, Revision 3, March 7, 2014 and updated by DYEC Soils Testing Plan, Revision 4, July 10, 2020
140	(b) (i) This Plan shall ensure that representative samples of the soil to be tested are collected in sufficient numbers and that the samples are properly preserved and tested so that reliable data on the soil characteristics is collected. (ii) As a minimum, the Plan shall include testing for cadmium, lead, chromium, nickel, cobalt, copper, molybdenum, selenium, zinc and mercury, Dioxins and Furans. (iii) This Plan shall comply with the Ministry's regulatory requirements for sampling and testing of soil and it shall include the rationale for the proposed methods. (iv) This Plan be kept at the Site at all times and be available for inspection by a Provincial Officer upon request.	ECA 13 (4 b)	See item 139.	See item 139.

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
141	ECA 14. RECORDS KEEPING (1) Any information requested by the Ministry concerning the Facility and its operation under this Certificate, including, but not limited to, any records required to be kept by this Certificate, shall be provided to the Ministry, upon request, in a timely manner. (2) The Owner shall retain, for a minimum of seven (7) years from the date of their creation, except as noted below, all reports, records and information described in this Certificate.	ECA 14 (1 to 2)	1) Quarterly meeting are conducted with the Region, Covanta and the MECP. Agenda follows TOC of annual report. 2) Records were available for review.	(1) Quarterly meetings are conducted with the Region, Covanta and the MECP. Agenda follows TOC of annual report. Meetings were conducted on Feb 9, 2023, May 17, 2023, September 7, 2023, and November 16, 2023. (2) Records required by the ECA are available on the DYEC website. Section 10.4 of the 2023 Annual Report states that all records will be retained on site for a minimum 7 years from their creation.
142	Daily Activities (3) The Owner shall maintain an on-Site written or digital record of activities undertaken at the Site. All measurements shall be recorded in consistent metric units of measurement. As a minimum, the record shall include the following: (a) date of record and the name and signature of the person completing the report; (b) quantity and source of the incoming Waste received at the Site; (c) records of the estimated quantity of Waste thermally treated in the Boilers; (d) quantity of the Unacceptable Waste received at the Site by the end of the approved Waste receipt period and the type(s) of the Unacceptable Waste received;	ECA 14 (3)	a-b) Scale House Operators send out the Daily Customer/Material Report summarizing inbound and outbound tickets, truck ID, weight, broken down by MSW Durham, MSW York, bottom ash, fly ash, ferrous, non-ferrous. Data is entered directly into the on-line system, that generates the report. c) Covanta Production Activities and Data - reports the monthly refuse received (by Region), processed (by unit), bypassed, reagents used, residual wastes shipped and electricity generated d) Unacceptable Waste Log and Waste Screening Report - Tipping Floor	(a-b) Scale House Operators send out the Daily Customer/Material Report summarizing inbound and outbound tickets, truck ID, weight, broken down by MSW Durham, MSW York, bottom ash, fly ash, ferrous, non-ferrous. Data is entered directly into the on-line system, that generates the report. As shown by Covanta contact. (b) see 2023 Annual Report Sections 2.2, 2.3 (c) 140,000 tonnes processed in the boilers, see 2023 Annual Report Section 2.3 (d) 117 tonnes of unacceptable waste, see 2023 Annual Report Section 2.4
143	(e) quantity and type of the Residual Waste shipped from the Site, including any required outgoing Residual Waste characterization results; (f) destination and/or receiving site(s) for the Residual Waste shipped from the Site; (g) quantity and type of any Rejected Waste accepted at the Site; (h) destination and/or receiving site(s) for the Rejected Waste shipped from the Site; (i) housekeeping activities, including litter collection and washing/cleaning activities, etc. (j) amount of electricity produced; k) amount of excess electricity exported to the electrical grid.	ECA 14 (3)	e) quantities and type included in Daily Waste Logs f) see item 59 g) In 2020, unacceptable waste included utility pole, chemical drum, wood and helium tanks. h) Unacceptable waste is removed by Photech Environmental Solutions Inc. and nonprocessable waste is removed by Waste Management of Canada Corporation. i) complete daily and weekly environmental activity j and k) excel production stats	(e) 25,087 tonnes bottom ash, 11,132 tonnes fly ash, 3,049 tonnes ferrous metals, and 573 tonnes non-ferrous metals were shipped from the Site, see 2023 Annual Report Section 3.3, and Appendix 2, daily waste logs available on-site and reviewed (f) bottom ash was transported to Modern Landfill in Model City, New York while fly ash was transported to Walker Environmental Group – South Landfill in Thorold, Ontario, see 2023 Annual Report Sections 3.1, 3.2, daily waste logs available on-site and reviewed (g) see logs for description of wastes on-site (provided in shared drive), see 2023 Annual Report Section 2.4. Seventy shipments of Bulky Unprocessable Items were removed from the Facility in 2023. These shipments included oversized items such as hot tubs, plastic totes and pipes. (h) Unacceptable Wastes removed by Photech Environmental Solutions and Inc.Bulky Unprocessable Items were removed by Waste Management of Canada, Corporation, see 2023 Annual Report Section 2.4, information provided in shard folder (i) Records of daily and weekly activities are available at the site for inspection (provided in shared drive). Section 10.4 of the 2023 Annual Report states a facility wide housekeeping initiative occurs monthly. (j-k) PPS report for 2023 available on-site, Section 4.2 2023 Annual Report Section 4.2 states turbine generated 112,689 MWh of electricity of which 94,886 MWh were exported to the grid.
144	Monitoring and Testing Records ECA 14 (4) The Owner shall maintain an on-Site written or digital record of activities undertaken at the Site. All measurements shall be recorded in consistent metric units of measurement. As a minimum, the record shall include the following: (a) day and time of the activity; (b) all original records produced by the recording devices associated with the CEM Systems; (c) a summary of daily records of readings of the CEM Systems, including: (i) the daily minimum and maximum 4-hour average readings for carbon monoxide; (ii) the daily minimum and maximum one hour average readings for oxygen; (iii) the daily minimum and maximum 10-minute average readings for organic matter; (iv) the daily minimum and maximum 24-hour average readings for sulphur dioxide; (v) the daily minimum and maximum 24-hour average readings for nitrogen oxides; (vi) the daily minimum and maximum 24-hour average readings for hydrogen chloride; (vii) the daily minimum and maximum 6-minute average and 2-hour average opacity readings; and (viii) the daily minimum and maximum one-hour average readings for temperature measurements.	ECA 14 (4a to 4c)	CEMS data is available online: https://apps.durham.ca/applications/works/DYEC/EmissionsData/EmissionsData.aspx	Continuous emissions monitoring system (CEMS) data is available on the DYEC website (https://apps.durham.ca/applications/works/DYEC/EmissionsData/EmissionsData.aspx) (a-b) onsite records available on DYEC server and real time reporting in control room (c) see 2023 Annual Report Section 5.1

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
145	ECA 14 (4) (d) records of all excursions from the applicable Performance Requirements as measured by the CEM Systems, duration of the excursions, reasons for the excursions and corrective measures taken to eliminate the excursions; (e) all records produced during any Acoustic Audit; (f) all records produced during any Source Testing; (g) all records produced by the long term sampling program for Dioxins and Furans required by this Certificate; (h) all records produced during the Residual Waste compliance testing; (i) all records produced during the Soil Testing; (j) all records produced during the Groundwater and Surface Water Monitoring required by this Certificate; (k) all records produced during the Ambient Air Monitoring required by this Certificate;	ECA 14 (4d to 4K)	(d) No excursions occurred in 2022. (e) No Acoustic Audit completed in 2022; no longer required. (f) Ortech 2022 Voluntary Compliance Emission Testing Program Report, August 16, 2022; (g) Ortech Report: DYEC 2022 Compliance Emission Testing in Accordance with ECA no. 7306-8FDKNX, date March 1, 2023; (h) Residual Waste compliance testing records; (i) See item 106; (j) Groundwater and Surface Water Monitoring results; (k) Ambient Air Quality Monitoring Reports 2022.	(d) No excursions occurred in 2023, see 2023 Annual Report Sections 5.3, 5.4 (e) No Acoustic Audit completed in 2023; no longer required see 2023 Annual Report Section 7 (f) Ortech 2023 Voluntary Source Test Report dated July 25, 2023, Report, and Compliance Source Test dated December 19, 2023, see 2023 Annual Report Section 5.5, Appendix 3, Appendix 4 (g) DYEC LTSS Q1- Q3 reports were provided, Q4 report was provided in draft as and issue was reported with the system in Boiler #1 on November 27, 2023 and Altech Environmental was contacted and subsequently arrived at the facility to investigate the issues and provide repairs to AMESA for Boiler #1. Also see 2023 Annual Report Section 5.6 (h) see 2023 Annual Report Section 3.1, Appendix 2 (i) see DYEC 2023 Soil Testing Report, prepared by RWDI, dated November 3, 2023 and 2023 Annual Report Section 8 (j) see Surface and Groundwater Monitoring Report (pending as of April 1, 2023) and 2023 Annual Report Section 9 (k) see 2023 Ambient Air Quality Monitoring Rreport, prepared by RWDI (Q1 to Q4) and 2023 Annual Report Section 6, Appendix 5
146	(l) all records associated with radiation monitoring of the incoming Waste, including but not limited to: (i) transaction number; (ii) hauler; (iii) vehicle ID; (iv) alarm level; (v) maximum CPS; (vi) uSv/hr; (vii) comment; (viii) background CPS; (ix) driver time in and out; and (x) name of the Trainer Personnel that carried out the monitoring. (m) results of the containment testing carried out in the buildings, conveyors, tanks and silos, as required; (n) results the negative pressure in the Tipping Building carried out, as required.	ECA 14 (4) (l to n)	There were three loads of waste rejected from the Facility in 2022 due to radiation (March 30, April 25 and July 20, 2022). Scale House Operators send out the Daily Customer/Material Report summarizing inbound and outbound tickets, truck ID, weight, broken down by MSW Durham and MSW York.	(l)(i-x) records associated with the radiation monitoring of incoming waste are stored and available at the DYEC (provided via shared drive), see 2023 Annual Report Section 2.4. (m) USEPA Method 22 completed quarterly, see 2023 Annual Report Section 10.1. (n) Records made available for review, Spring and Fall Outages and annual calibration and see 2023 Annual Report Section 10.2
147	Inspections/Maintenance/Repairs ECA 14 (5) The Owner shall maintain an on-Site written or digital record of inspections and maintenance as required by this Certificate. As a minimum, the record shall include the following: (a) the name and signature of the Trained Personnel that conducted the inspection; (b) the date and time of the inspection; (c) the list of any deficiencies discovered, including the need for a maintenance or repair activity; (d) the recommendations for remedial action; (e) the date, time and description of actions (repair or maintenance) undertaken; (f) the name and signature of the Trained Personnel who undertook the remedial action; and (g) an estimate of the quantity of any materials removed during cleaning of the Works.	ECA 14 (5)	see items above	(a-g) Covanta uses the PeopleSoft Asset Lifecycle Management system to track all maintenance and preventative maintenance activities at the DYEC. In 2023, scheduled preventative maintenance activities were completed on the Boilers, APC equipment, CEMS and other auxiliary systems, see 2023 Annual Report Appendix 6 for details. On-site records observed.
148	Emergency Situations ECA 14 (6) The Owner shall maintain an on-Site written or digital record of the emergency situations. As a minimum, the record shall include the following: (a) the type of an emergency situation; (b) description of how the emergency situation was handled; (c) the type and amount of material spilled, if applicable; (d) a description of how the material was cleaned up and stored, if generated; and (e) the location and time of final disposal, if applicable; and (f) description of the preventative and control measures undertaken to minimize the potential for re-occurrence of the emergency situation in the future.	ECA 14 (6)	In 2022, one spill was reported to the MECP as a precautionary measure. The MECP confirmed that the spill was exempt from reporting requirements.	(a-f) No spills were reported to the MECP in 2023, see 2023 Annual Report Section 12. Staff reported that there were no emergency situations in 2023.
149	Complaints Response Records ECA 14 (7) The Owner shall establish and maintain a written or digital record of complaints received and the responses made as required by this Certificate.	ECA 14 (7)	2022 ECA Annual Report Section 13 and monthly complaints log.	The complaints log is posted on the DYEC website, none reported for 2023, and see 2023 Annual Report Section 13.
150	Training ECA 14 (8) The Owner shall maintain an on-Site written or digital record of training as required by this Certificate. As a minimum, the record shall include the following: Page 41- Number 7306-8FDKNX (a) date of training; (b) name and signature of person who has been trained; and (c) description of the training provided.	ECA 14 (8)	see above	(a-c) Covanta Training Matrix (available in shared drive and records sampled during audit).

Table C1
Environmental Compliance Approval (ECA) Audit Table

Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
151	Reports ECA 14 (9) The Owner shall keep at the Site the following reports required by this Certificate: (a) the ESDM Report (b) the Acoustic Assessment Report; (c) the Annual Report; and (d) the Third Party Audit.	ECA 14 (9)	a) Fall source testing includes updated emission source inventory and dispersion modelling (Appendix 27 Dispersion Modelling Results for the Nov/Dec 2022 Testing Program - Draft Technical Memo dated March 1, 2023 from WSP). b) Acoustic removed as condition of ECA c) available on website d) available on website	(a) 2023 Compliance Source Test Report dated December 19, 2023, and see 2023 Annual Report Section 5.5. (b) Acoustic Assessment Report removed as condition of the ECA. (c) 2023 Annual Report available for review on DYEC website. (d) Previous third Party Audit Reports available on DYEC website.
152	15. REPORTING Annual Report (1) 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. This Annual Report shall include, as a minimum, the following information: (a) a summary of the quality and the quantity of the Wastes accepted at the Site, including the maximum amount of the Waste received annually and daily and the sources of the Waste; (b) a summary of the quality and the quantity of the Residual Waste shipped from the Site, including the analytical data required to characterize the Residual Waste, the off-Site destinations for the Residual Waste and its subsequent use, if known; (c) estimated material balance for each month documenting the maximum amount of wastes stored at the Site; (d) annual water usage;	ECA 15 (1a to 1d)	The 2022 Annual Report submission letter to the MECP is dated March 30, 2023. The waste to energy committee is listed as a recipient on the submission letter.	(a) See 2023 Annual Report Section 2 (b) See 2023 Annual Report Section 3, and Appendix 2 (c) See 2023 Annual Report Section 3.3 (d) In 2023 34,167 m3 of water was drawn from the municipal water system see 2023 Annual Report Section 4.1.
153	(e) annual amount of the electricity produced and the annual amount of the electricity exported to the electrical grid; (f) summaries and conclusions from the records required by Conditions 14.(3) through 14.(8) of this Certificate; (g) the Emission Summary Table and the Acoustic Assessment Summary Table for the Facility as of December 31 from the previous calendar year; (h) a summary of dates, duration and reasons for any environmental and operational problems, Boilers downtime, APC Equipment and CEM System malfunctions that may have negatively impacted the quality of the environment or any incidents triggered by the Emergency Response and Page 42- Number 7306-8FDKNX Contingency Plan and corrective measures taken to eliminate the environmental impacts of the incidents.	ECA 15 (1e to 1h)	See item 152.	(e) The turbine generated 112,689 MWh of electricity of which 94,886 MWh were exported to the grid see 2023 Annual Report Section 4.2 (f) Available on the DYEC website (g) See 2023 Annual Report Appendix 3 and Appendix 4 (h) No operational issues with potential impact to the environment were reported see 2023 Annual Report Section 11.
154	(i) a summary of the dates, duration and reasons for all excursions from the applicable Performance Requirements as measured by the CEM Systems or as reported by the annual Source Testing, reasons for the excursions and corrective measures taken to eliminate the excursions; (j) results of the evaluation of the performance of the long-term sampling system in determining the Dioxins and Furans emission trends and/or fluctuations for the year reported on as well as demonstrating the ongoing performance of the APC Equipment associated with the Boilers; (k) dates of all environmental complaints relating to the Site together with cause of the Complaints and actions taken to prevent future Complaints and/or events that could lead to future Complaints;	ECA 15 (1i to 1k)	See item 152.	(i) No excursions reported see 2023 Annual Report Sections 5.3, 5.4. (j) See DYEC Long-Term Sampling System Q1 to Q4 Reports and see 2023 Annual Report Section 5.6. (k) 10 inquiries to DYEC directly, no complaints, see 2023 Annual Report Section 13.
155	(l) any environmental and operational problems that could have negatively impacted the environment, discovered as a result of daily inspections or otherwise and any mitigative actions taken; (m) a summary of any emergency situations that have occurred at the Site and how they were handled; (n) the results and an interpretive analysis of the results of the groundwater and surface water, including an assessment of the need to amend the monitoring programs; (o) summaries of the Advisory Committee meetings, including the issues raised by the public and their current status;	ECA 15 (1i to 1o)	See item 152.	(l) None reported, see 2023 Annual Report Section 11. (m) No spills reported see 2023 Annual Report Section 12. (n) See 2023 Annual Report Section 9 and 2023 Surface and Groundwater Monitoring Report (draft report was provided on April 2, 2023). (o) See 2023 Annual Report Section 14 agenda for December 18, 2023 meeting available on DYEC website - minutes were provided through shared drive.

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Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
156	(p) any recommendations to improve the environmental and process performance of the Site in the future; (q) statement of compliance with this Certificate, including compliance with the O. Reg. 419/05 and all air emission limits based on the results of source testing, continuous monitoring and engineering calculations, as may be appropriate; and (r) interpretation of the results and comparison to the results from previous Annual Reports to demonstrate the Facility's impact on the environment.	ECA 15 (1p to 1r)	See item 152.	(p) Section 17.2 of the 2023 Annual Report states the following five recommendations for 2024 to improve environmental and process performance at the site: 1) Maintain ISO 14001:2015 Environmental Management System Certification. 2) Continue to expand and work on the opportunities found in 2023 for optimizing reagent usage. 3) Continue to optimize the demand for boiler feedwater treatment. 4) Explore opportunities to improve combustion operations to reduce auxiliary fuel usage. 5) Investigate improvements in TG efficiency and plan to implement them in 2025 (q) Sections 1.1, 5.5., 6 of the 2023 Annual Report which state compliance with the ECA, O. Reg. 419/05, and all air emission limits. (r) Section 16 of the 2023 Annual Report includes an interpretation of the results and comparison to the results from previous Annual Reports for stack emissions, ash testing, ambient air, groundwater, surface water, and soil testing at the site.
157	Third Party Audit ECA 15 (2) (a) The Regions shall ensure that an independent technical review of the operations at the Site is undertaken in accordance with the requirements of the EA Approval. (b) In addition to the Third Party Audit requirements set out in the EA approval, the Third Party Audit shall include the following: (i) a review of the data from the monitoring and testing required by this Certificate; (ii) a review of all complaints received about the operation of the Facility; (iii) any recommendations for improving the operation of the Facility received from the Advisory Committee; and (iv) a recommendation of any improvements that could be made to ensure that the operation of the Facility is optimized and is protective of the health and safety of people and the environment. (3) The Regions shall submit a Written Audit Report on the results of the independent technical review to the Regional Director in accordance with the Audit Plan and retain a copy at the Site.	ECA 15 (2 to 3)	Third Party Independent Audit, DYEC Facility Operations Phase Audit - 2021 prepared by BluMetric Environmental Inc., dated April 28, 2022 (letter to MECP dated April 29, 2022). Acknowledgement Letter from the MECP dated August 18, 2022	The following documents are available on the DYEC website. (2)(a) Third Party Independent Audit, DYEC Facility Operations Phase Audit - 2022 prepared by BluMetric Environmental Inc., dated April 28, 2023. (2)(b)(i-iv)Third Party Independent Audit, DYEC Facility Operations Phase Audit - 2022 prepared by BluMetric Environmental Inc., dated April 28, 2023. (3) Submission letter to MECP dated April 28, 2023. Acknowledgement Letter from the MECP dated December 28, 2023.
158	Soil Testing Report 15 (4) Within one (1) month of completion of each Soil Testing event, the Regions shall submit to the District Manager a Soil Testing Report, which includes the details on the sampling/testing procedures, the results of the testing and a comparison with the results obtained during the previous Soil Testing.	ECA 15 (4)	DYEC 2020 Soil Testing Report, RWDI, October 20, 2020 indicates sampling was conducted on August 19, 2020. The next soil sampling will take place in August 2023.	2023 Soil Testing Report DYEC, prepared by RWDI, dated November 3, 2023. (available on DTEC website). The 2023 Soil Testing Program was completed on August 14, 2023. Complete soil analytical results were received on October 11, 2023.
159	PUBLIC ACCESS TO DOCUMENTATION ECA 16(1) The Owner shall, at all times, maintain documentation that describes the current operations of the Facility. The Owner shall post the documentation at the website for the undertaking and during regular business hours, the Owner shall make the following documents available for inspection at the Site by any interested member of the public, upon submission to the Ministry for review: (a) a current ESDM Report that demonstrates compliance with the Performance Limits for the Facility regarding all Compounds of Concern; (b) a current Acoustic Assessment Report that demonstrates compliance with the Performance Limits for the Facility regarding noise emissions; (c) the most recent Annual Report; (d) the most current Third Party Audit Report; (e) Odour Management and Mitigation Plan, prepared in accordance with the requirements of the EA Approval;	ECA 16 (1a to 1e)	Documents are available on the website: https://www.durhamyorkwaste.ca/en/index.aspx	(a) ORTECH VST report dated July 25, 2023 (available on the DYEC website), 2023 Compliance Source Test Report dated December 19, 2023 (available through shared drive). (b) Valcoustics Canada report dated January 10, 2017 (available on the DYEC website). Revised Noise Monitoring and Reporting in 2017 - see Section 7 of 2023 Annual Report. (c) 2023 Annual Report (available on the DYEC website). (d) BluMetric 2023 Third Part Audit Report dated April 28, 203 (available on the DYEC website) (e) Golder Associates Odour Management and Mitigation Plan, dated August ,2011, revised December 2014 (available on the DYEC website).
160	(f) Noise Monitoring and Reporting Plan, prepared in accordance with the requirements of the EA Approval; and (g) Groundwater and Surface Water Monitoring and Reporting Plan, prepared in accordance with the requirements of the EA Approval.	ECA 16 (1f and 1g)	Documents are available on the website: https://www.durhamyorkwaste.ca/en/index.aspx	(f) Noise Monitoring and Reporting Plan (revised in 2017) (available on the DYEC website). (g) Groundwater and Surface Water Monitoring and Reporting Plan, prepared by Stantec, dated September 14, 2011 (available on the DYEC website).
161	(2) The Owner shall ensure that necessary hardware and software are provided at a location available to the public, to provide on-line real-time reporting of the operating parameter data for the Facility, including acceptable operating limits, stack emissions, and all other parameters for which continuous monitoring is required and that continuous records of the same be kept and made available to the public.	ECA 16 (2)	See item 159	There is no longer a functioning computer in the lobby. Information about the facility operations and a virtual tour are available on the website. The stack emissions are visible on the screen outside the DYEC facility. The stack emissions and operating limits are streamed to the DYEC website. Historical data are also available at the DYEC website. DYEC staff are available to meet with the public upon request to provide more information about the facility operations and can meet the public with a laptop at the Visitors Centre if requested. The DYEC also provides tours of the facility to interested members of the public.
162	ECA 17. ADVISORY COMMITTEE (1) The Regions shall establish an Advisory Committee in accordance with the requirements set out in the EA Approval.	ECA 17	Committee met on December 20, 2022 as per ECA Annual Report 2022 and the DYEC website.	Committee met on December 18, 2023 per the DYEC website and the 2023 Annual Report. Minutes were provided through the shared drive.

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Auditor Checklist Item	Condition	ECA (Environmental Compliance Approval)	Auditor Comments April 4-5, 2023	Auditor Comments April 2, 2024
163	ECA 18. CLOSURE of the SITE (1) A minimum of nine (9) months prior to closure of the Site, the Regions shall submit, for approval by the Director, a written Closure Plan for the Site. This Plan shall include, as a minimum, a description of the work that will be done to facilitate closure of the Site and a schedule for completion of that work. (2) Within ten (10) days after closure of the Site, the Regions shall notify the Director and the District Manager, in writing, that the Site is closed and that the approved Closure Plan has been implemented.	ECA 18	N/A	N/A
164	ECA Number 7306-8FDKNX Notice No. 1 issued April 22, 2020 1. Until December 31, 2020, the Owner may temporarily increase the amount of Waste to be received and thermally treated at the Site up-to 160,000 tonnes per year. 2. From the date of this Approval to the date that corresponds to up-to ninety (90) days after the Ontario Government ends the current Declaration of Emergency to Protect the Public Health, unless an extension has been issued in writing by the District Manager, the following Conditions Nos. 3 through 10 are in effect. 3. The Owner shall provide a written notification to the District Manager when any of the following Conditions Nos. 4 through 9 are implemented. 4. All conditions that set out limitations on hours/days for shipping and receiving of materials including the Waste, the reagents and the Residual Waste are temporarily rescinded. 5. The Owner may temporarily increase the maximum tonnage amounts for the bottom and fly ash within the Residue Building up-to 80% of the total achievable storage capacity of the Residue Building. 6. The Owner may temporarily store the Residual Waste and the reagents in the outdoor locations at the Site and the storage shall be done as follows: a. the storage shall be in covered and leak-proof trailers or bins or containers; b. trailers or bins or containers shall be parked or located away from catchbasins, if possible; and c. if trailers or bins or containers must be parked or be located near catchbasins, covers or booms shall be readily available to protect catchbasins in the event of a spill or leak. 7. All conditions that set out limitations on receipt and storage of reagents are temporarily rescinded. 8. The Owner may temporarily reduce the number of loads tipped on the tipping floor for a manual visual inspection and sorting of the incoming Waste from oneload per hour to two loads per shift, unless instructed otherwise by the local Medical Officer of Health to cease inspections on the tipping floor. 9. Following commencement of the outdoor storage of the Residual Waste or the reagents at the Site, the Owner shall conduct daily inspections of any outdoor storage location for evidence of spills, odour, vermin/vectors, dust, litter and other nuisance impacts, and shall maintain a written or electronic log of these inspections. The log shall be kept at the Site for the duration acceptable to the District Manager and it shall contain the following information: a. the date of inspection; b. the location of the inspection; c. the name of the person undertaking the inspection; d. any impacts identified during the inspection; and e. any remedial actions taken to address those impacts. 10. By the end of the ninety (90) day-period from the date when the Ontario Government ends the current Declaration of Emergency to Protect the Public Health, the Owner shall provide to the District Manager a summary report of the expected timelines for the storage and the operational practices to return to normal operating levels/protocols as approved in this Approval.		N/A	N/A
165	ECA Number 7306-8FDKNX Notice No. 2 issued December 23, 2021 1. Until December 31, 2021, the Owner may temporarily increase the amount of Waste to be received and thermally treated at the Site from 140,000 tonnes per year up-to 142,000 tonnes per year.		N/A	N/A

Table C2
Environmental Assessment Approval (EAA) Audit Table

Auditor Checklist Item	Condition	Conditions from EA	Auditor Comments April 4 and 5, 2023	Auditor Comments April 2, 2024
1	General Requirements EA 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.	EA 2(1)	No new EA amendments in 2022.	No new EA amendments reported.
2	EA 2(2) These conditions do not prevent more restrictive conditions being imposed under other statutes.	EA 2(2)	See Item 1.	See item 1.
3	EA 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.	EA 2(3)	Letter included with DYEC 2022 Compliance Monitoring Report, dated November 3, 2022, submission.	Letter included with DYEC 2023 Compliance Monitoring Report, dated November 3, 2023.
4	Public Record EA 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.	EA 3(1)	As requested by the Ministry a hard copy and an electronic copy are provided to the Ministry.	No change. Required documents are provided to the Ministry.
5	EA 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: 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).	EA 3(2)	No changes made in 2022	No change. See Item 4.
6	EA 3(3) The EAAB file number EA-08-02 shall be quoted on all documents submitted by the proponent pursuant to this Condition.	EA 3(3)	No changes made in 2022	No change. See Item 4.
7	Compliance Monitoring Program EA 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. EA 4(2) A statement shall accompany the submission of the Compliance Monitoring Program indicating that the submission is intended to fulfill Condition 4 of this Notice of Approval. EA 4(3) The proponent shall implement the Compliance monitoring program as it may be amended by the Director.	EA 4(1), 4(2) & 4(3)	Completed in 2011. Compliance and Monitoring Reports completed on an annual basis.	Completed in 2011. Compliance and Monitoring Reports completed on an annual basis.
8	EA 4(4) The Compliance Monitoring Program shall describe how the proponent will monitor its fulfilment of the provisions of the environmental assessment pertaining to 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	EA 4(4)	Refer to Appendix A of the Compliance Monitoring Program and the 2022 Compliance and Monitoring Report.	Refer to Appendix A and Appendix B of the Compliance Monitoring Program and the 2023 Compliance and Monitoring Report. 2023 Annual Compliance Report Submission Letter sent to MECP November 3, 2023 available online at the DYEC website.
9	EA 4(5) The Compliance Monitoring Program shall contain an implementation schedule.	EA 4(5)	Completed in 2011.	No change. Completed in 2011.
10	EA 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.	EA 4(6)	There were no amendments received in 2022.	There were no amendments received in 2023.
11	EA 4(7) The proponent shall implement the Compliance Monitoring Program, as it may be amended by the Director.	EA 4(7)	DYEC 2022 Compliance Monitoring Report, dated November 2, 2022.	See 2023 Compliance Monitoring Report for implementation. Available on DYEC website.
12	EA 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.	EA 4(8)	No change of Ownership in 2022	Quarterly meetings are conducted with the Region, Covanta and the MECP. Agenda follows Table of Contents of annual report.

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Auditor Checklist Item	Condition	Conditions from EA	Auditor Comments April 4 and 5, 2023	Auditor Comments April 2, 2024
13	EA 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.	EA 5(1)	No change of Ownership in 2022	See Item 8.
14	EA 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.	EA 5(2)	Completed in 2011.	No change. Completed in 2011.
15	EA 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 Compliance Report shall cover all activities of the previous 12 month period.	EA 5(3)	Durham/York Energy from Waste Project Submission of the 2022 Compliance Monitoring Report letter to MECP dated November 3, 2022.	See Item 8.
16	EA 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.	EA 5(4)	See item 15	See Item 8.
17	EA 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 the Notice of Approval have been satisfied.	EA 5(5)	Copies of the ECA Certificate, Notice 1 and 2 are available on the company's website.	On going fulfillment of conditions. See 2023 Compliance Monitoring Report, on DYEC website.
18	EA 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.	EA 5 (6)	Copies are retained on the facility website.	No change. Copies are retained on the facility website.
19	EA 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.	EA 5(7)	Compliance reports are available online: https://www.durhamyorkwaste.ca/en/environmental-monitoring/compliancemonitoring-program-and-reports.aspx#2020	Compliance reports are available on DYEC Website
20	Complaint Protocol EA 6(1) The proponent shall implement a Complaint Protocol setting out how it will deal with and respond to inquires and complaints received during the design, construction and operation of the undertaking.	EA 6(1)	As stated in Section 32.3 of the Project Agreement and SOP DYEC-REF-007 Unacceptable Waste Receiving Handling Storage and Disposal Revision 4, December 9, 2020, the Contractor shall not knowingly accept any delivery of unacceptable waste. The SOP defines the terms hazardous waste and unacceptable waste. Radioactive waste detected at the Scale House is diverted from the site	The complaint protocol can be found on the DYEC website.
21	EA 6(2) The Complaint Protocol shall be provided to the advisory committee for review prior to submission to the Director.	EA 6(2)	Completed in 2011.	No change. Completed in 2011.
22	EA 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.	EA 6(3)	Completed in 2012.	No change. Completed in 2012.
23	EA 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.	EA 6(4)	Amendments to Complaint Protocol were not required in 2022.	No change. Amendments to the Complaint Protocol were not required in 2023.
24	EA 6(5) The proponent shall submit the amended Complaint Protocol to the Director within the time period specified by the Director in the notice.	EA 6(5)	There were no amendments to the Complaint Protocol in 2022.	No change. No amendments to the Complaint Protocol in 2023.
25	Community Involvement EA 7(1) The proponent shall prepare and implement a Community Communications Plan . The plan shall be prepare in consultation with the EAAB and to the satisfaction of the Director.	EA 7(1)	Completed in 2013.	No change. Completed in 2013.
26	EA 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.	EA 7(2)	Completed in 2013.	No change. Completed in 2013.
27	EA 7(3) The community Communications Plan shall include at a minimum details on: a) How the proponent plans to disseminate information to interested members of the public and any Aboriginal communities; b) How interested members of the public and any Aboriginal communities will be notified and kept informed about information on documents related to the undertaking, and when and how the information will be made available. 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.	EA 7(3)	Completed in 2013.	No change. Completed in 2013.

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Environmental Assessment Approval (EAA) Audit Table

Auditor Checklist Item	Condition	Conditions from EA	Auditor Comments April 4 and 5, 2023	Auditor Comments April 2, 2024
28	EA 7(4) The proponent shall give notice 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: a) Activities that are part of the undertaking, including monitoring activities; 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 undertakings; and, c) Information on the Complaint Protocol required by Condition 6 of this Notice of Approval.	EA 7(4)	Documents available on website. No change in 2022.	Documents available on website. No change in 2023.
29	EA 7(5) The proponent shall hold public meetings to discuss the design, construction and operation of the undertaking, including, but not limited to: a) At least one meeting prior to the start of construction; b)At least one meeting prior to the receipt of non-hazardous municipal solid waste on site; and, 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.	EA 7(5)	Completed in 2016.	No change. Completed in 2016.
30	EA 7(6) The proponent shall provide notice of the public meetings a minimum of 15 days prior to the meeting.	EA 7(6)	Refer to item 29.	No change. Refer to item 29.
31	EA 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.	EA 7(7)	Refer to item 29.	No change. Refer to item 29.
32	Advisory Committee EA 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.	EA 8(1)	Advisory Committee established in 2011.	No change. Latest meeting for 2023 took place on December 18, 2023, minutes were provided via shared drive.
33	EA 8(2) The proponent shall provide administrative support for the advisory committee including, at a minimum: a) Providing a meeting space for advisory committee meetings; b) Recording and distributing minutes of each meetings; c) Preparing and distributing meeting notices; and, 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.	EA 8(2)	The DYEC 2022 Compliance Monitoring Report, dated November 2, 2022, includes the meeting minutes from the EFWAC Meeting # 18 November 29, 2021. The report also indicates that the EFWAC Meeting # 19 was scheduled for November 2022. There is no record of a meeting agenda on the website for this meeting.	Meeting minutes are available on the DYEC website and Appendix C of the DYEC 2023 Compliance Monitoring Report.
34	EA 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.	EA 8(3)	Completed in 2010.	No change. Completed in 2010.
35	EA 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.	EA 8(4)	Completed in 2010.	No change. Completed in 2010.
36	EA 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; and, c) Zero Waste 4 Zero Burning.	EA 8(5)	Completed in 2010.	No change. Completed in 2010.
37	EA 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.	EA 8(6)	Completed in 2010.	No change. Completed in 2010.
38	EA 8(7) A representative from the ministry shall be invited to attend meetings as an observer.	EA 8(7)	Completed in 2010.	No change. Completed in 2010.
39	EA 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;	EA 8(8)	a) Completed. b) advisory committee included on the Submission Letter dated November 3, 2022 submitted to the MECP regarding the annual compliance monitoring report e) advisory committee included on the Submission Letters for the Waste Management Annual Report 2021, Region of Durham, and 2021 Annual Solid Waste Diversion Report, York Region. f) advisory committee included on the Submission Letters to the MECP dated May 13, August 13, November 12, 2022 and February 14, 2023.	a) completed in 2011. b) advisory committee included on the Submission Letter dated November 3, 2023. c) completed in 2011. d) advisory committee included on the Submission Letter dated September 18, 2013 e) advisory committee included on the Submission Letters for the Waste Management Annual Report 2022, Region of Durham, and 2022 Annual Solid Waste Diversion Report, York Region. f) advisory committee included on the Submission Letters to the MECP dated May 12, 2023, August 14, 2023, November 9, 2023 and February 12, 2024.

Table C2
Environmental Assessment Approval (EAA) Audit Table

Auditor Checklist Item	Condition	Conditions from EA	Auditor Comments April 4 and 5, 2023	Auditor Comments April 2, 2024
40	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; 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.	EA 8(8)	h) advisory committee included on the Submission Letter to the MECP dated April 29, 2022. j) advisory committee included on the Submission Letter to the MECP dated November 25, 2022. l) advisory committee included on the Submission Letter to the MECP dated April 29, 2022.	g) advisory committee included on the Revised AEMP Submission Letter to the MECP dated February 11, 2013. h) advisory committee included on the Submission Letter to the MECP dated April 28, 2023. i) advisory committee included on the 2024 Revised Submission Letter to the MECP dated January 26, 2024. j) advisory committee included on the 2012 Revised Odour Management and Mitigation Plan Submission Letter to the MECP dated May 4, 2012, and the 2023 Odour Management and Mitigation Monitoring Report Submission Letter to the MECP dated November 23, 2023. k) advisory committee included on the 2017 Revised Submission Letter to the MECP dated June 27, 2017. l) 2023 DRAFT Groundwater and Surface Water Annual Report, RWDI (February 9, 2024), provided by Facility Staff during site walkthrough and the committee will be included in the submission letter. Advisory committee included on the Groundwater and Surface Water Monitoring Plan Submission Letter to the MECP dated September 15, 2011. m) Presented at EFWAC MTG # 12 on April 9, 2015, and reported in approved minutes, item 2. Notice of the Date Waste First Received to the MECP dated February 9, 2015.
41	EA 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.	EA 8(9)	Completed in 2011.	No change. Completed in 2011.
42	EA 8(10) The Terms of Reference shall, at a 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.	EA8(10)	Completed in 2011.	No change. Completed in 2011.
43	EA 8(11) The proponent shall submit the advisory committee's Terms of Reference to the Director and Regional Director.	EA 8(11)	Completed in 2011.	No change. Completed in 2012.
44	Consultation with Aboriginal Communities EA 9(1) The proponent shall continue to consult with any interested Aboriginal communities during the detailed design and implementation of the undertaking.	EA 9(1)	Completed in 2012.	No change. Completed in 2011.
45	Waste Diversion EA 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. EA 10(2) The proponent shall prepare and implement a Waste Diversion Program Monitoring Plan.	EA 10(1) & 10(2)	10(1) and (2) Durham Waste Diversion Program Monitoring Plan Letter dated October 21, 2011, indicates that the Region continues to work with all lower tier municipalities regarding waste diversion. York Integrated Waste Management Master Plan, September 2013, indicates collaboration between Regional and local councils, residents, businesses, schools and community groups.	No change. 10(1) and (2) Durham Waste Diversion Program Monitoring Plan Letter dated October 21, 2011, indicates that the Region continues to work with all lower tier municipalities regarding waste diversion. York Integrated Waste Management Master Plan, September 2013, indicates collaboration between Regional and local councils, residents, businesses, schools and community groups.
46	EA 10(3) The Waste Diversion Program Monitoring Plan shall provide a description of monitoring and reporting which shall at minimum include: a) Results of a 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. 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. 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.	EA 10(3)	Plan prepared in 2011.	No change. Plan prepared in 2011.
47	EA 10(4) The proponent shall prepare and submit to the Director and Regional Director, commencing one year after the approval of the undertaking, annual reports detailing the results of the Waste Diversion Program Monitoring Plan. 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.	EA 10(4) & 10(5)	10(4) Waste Management Annual Report 2021, Region of Durham, submitted to the MECP on October 28, 2022. 2021 Annual Solid Waste Diversion Report, York Region, submitted to the MECP on October 14, 2022. 10(5) Reports accessed on website on April 4, 2023.	Submission letter Region of Durham to MECP, dated October 31, 2022. Acceptance letter from MECP to Region of Durham not posted. Submission letter from York Region to MECP, dated September 27, 2023. Acceptance letter from MECP to York Region not posted.
48	Ambient Air Monitoring EA 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.	EA 11(1)	Completed in 2012.	No change. Complete in 2012 and available on the DYEC website.
49	EA 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.	EA 11(2)	Completed in 2012.	No change. Completed in 2012.

Table C2
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Auditor Checklist Item	Condition	Conditions from EA	Auditor Comments April 4 and 5, 2023	Auditor Comments April 2, 2024
50	EA 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.	EA 11(3)	Completed in 2011.	No change. Completed in 2011.
51	EA 11(4) The Ambient Air Monitoring and Reporting Plan shall include at a minimum: a) An ambient air monitoring program which includes an appropriate number of sampling locations. Siting of the sampling locations shall be in accordance with the Ministry of the Environment's Operation Manual for Air Quality Monitoring in Ontario, March 2008, as amended from time to time; 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.	EA 11(4)	a), b), c) Completed in 2012. d) Facility personnel indicated that the quarterly DYEC meetings, including the annual meeting, with MECP, Covanta, and York and Durham Regions were conducted via teleconference.	a), b), c) Completed in 2012 d) No change, Facility Personnel indicated that the MECP, Covanta, York and Durham Regions continue to meet quarterly to review site operations and results of ongoing monitoring and sampling. The ambient air monitoring program and associated results are reviewed and discussed.
52	EA 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.	EA 11(5)	Quarterly Ambient Air Monitoring continued in 2022. (see item 56)	No change. See Item 48.
53	EA 11(6) The Regional Director may require changes to be made to the Ambient Air Monitoring and Reporting Plan and the proponents shall implement the plan in accordance with the required changes.	EA 11(6)	No changes in 2022.	No changes in 2023.
54	EA 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.	EA 11(7)	Ambient Air Quality Monitoring Reports 2022: Q1 - Quarterly Ambient Air Quality Monitoring Report, RWDI, May 12, 2022 Q2 - Quarterly Ambient Air Quality Monitoring Report, RWDI, August 10, 2022 Q3 - Ambient Air Quality Monitoring Report, RWDI, November 11, 2022 Q4 - Ambient Air Quality Monitoring Report, RWDI, March 6, 2023	Q1-Q4 Ambient Air Reports with corresponding Report Submission Letters available on DYEC website.
55	EA 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.	EA 11(8)	RWDI, Quarterly Ambient Air Quality Monitoring Reports, May 12, 2022, August 10, 2022, November 11, 2022, March 6, 2023 Both stations were audited by the MECP on June 17, 2022. The Rundle SO2 was noted as low but within acceptable limits; a pump rebuild was completed. the Courtice NOx analyzer revealed inconsistencies in the gas response; recalibration was completed. the Rundle TSP hi-vol sampler required a restart to meet ministry criteria; the motor was replaced and unit recalibrated on June 20, 2022. Both stations were audited by the MECP on October 17, 2022. The Rundle Road station TSP hi-vol sampler was noted to have an elevated flow rate but was still within acceptable limits. Calibration of the sampler is planned for Q1 of 2023.	Q1-Q4 Ambient Air Reports are available on DYEC website.
56	EA 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.	EA 11(9)	Ambient Air Quality Monitoring Plan, Stantec Consulting Ltd., May 8, 2012. MOECC letters of acceptance May 30, 2012 and June 5, 2012. Ambient Air Quality Monitoring Reports 2022: Q1 - Quarterly Ambient Air Quality Monitoring Report, RWDI, May 12, 2022 Q2 - Quarterly Ambient Air Quality Monitoring Report, RWDI, August 10, 2022 Q3 - Ambient Air Quality Monitoring Report, RWDI, November 11, 2022 Q4 - Ambient Air Quality Monitoring Report, RWDI, March 6, 2023	Ambient Air Monitoring and Report Plan, and Q1-Q4 Ambient Air Reports with corresponding Report Submission Letters available on DYEC website.
57	EA 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 incinerator of waste.	EA 12(1)	Refer to ECA Condition 7(2)	Emission data is recorded continuously and is available on the DYEC website.
58	EA 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.	EA 12(2)	Completed in 2015.	No change. Completed in 2015.
59	EA 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.	EA 12(3)	Completed in 2016.	No change. Completed in 2016.

Table C2
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Auditor Checklist Item	Condition	Conditions from EA	Auditor Comments April 4 and 5, 2023	Auditor Comments April 2, 2024
60	EA 12(4) The Air Emissions Monitoring Plan shall include, at a minimum: 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 Environmental Protection Act exceed the relevant limits.	EA 12(4)	Completed in 2016.	No change. Completed in 2016.
61	EA 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.	EA 12(5)	Refer to item 59.	No change. See item 59.
62	EA 12(6) The proponent shall [prepare and] implement an 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. 12(7) The proponent shall post the reports of the air emissions monitoring systems on the proponents web site for the undertaking. 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.	EA 12 (6) , 12(7) & 12(8)	Emission monitoring results are available on the DYEC website.	No change. See item 57.
63	Air Emissions Operational Requirements EA 13(1) The proponent is expected to operate the undertaking in accordance with Schedule 1 of this 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.	EA 13(1)	In 2022, one spill was reported to the MECP on September 2022. The facility reported compliance with all air emissions requirements in Schedule 1.	Sections 1.1, 5.5., 6 of the 2023 Annual Report state compliance with the ECA, O. Reg. 419/05, and all air emission limits.
64	EA 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.	EA 13(2)	Refer to Item 63.	Refer to Item 63.
65	EA 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 Environmental Protection Act, should approval be granted.	EA 13(3)	Completed.	No change. See ECA Schedule "C".
66	Daily Site Inspection EA 14(1) The Proponent shall conduct a daily 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 undertaken 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.	EA 14 (1)	See Environmental Compliance Approval Conditions 3 (6), 3 (7), 3 (8), 5 (5), 14 (3), and 14 (5).	No change. See Environmental Compliance Approval Conditions 3 (6), 3 (7), 3 (8), 5 (5), 14 (3), and 14 (5).
67	EA 14(2) If, as a result of the daily inspection, any deficiencies are noted by the employee in regards to the factors set out in 14(1) above, the deficiency shall be remedied immediately by the proponent. If necessary to remedy the deficiency, the proponents shall cease operations at the site until the deficiency has been remedied.	EA 14(2)	See Environmental Compliance Approval Conditions 5 (5), 14 (3), and 14 (5).	No change. See Environmental Compliance Approval Conditions 5 (5), 14 (3), and 14 (5).

Table C2
Environmental Assessment Approval (EAA) Audit Table

Auditor Checklist Item	Condition	Conditions from EA	Auditor Comments April 4 and 5, 2023	Auditor Comments April 2, 2024
68	Daily Site Inspection cont'd EA 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 deficiencies discovered during the daily inspection; (d) any recommendation for action; and, (e) the date, time and description of actions taken. 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.	EA 14 (3) EA 14(4)	See Environmental Compliance Approval Conditions 5 (5), 14 (2), 14 (3), and 14 (5).	No change. See Environmental Compliance Approval Conditions 5 (5), 14 (2), 14 (3), and 14 (5).
69	Daily Record Keeping EA 15(1) The proponent shall maintain a written daily log which shall include the following information: (a) Date; (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	EA 15 (1)	See ECA Conditions 5 (5), 14 (3) and 14 (5).	No change. See ECA Conditions 5 (5), 14 (3) and 14 (5).
70	EA 15(1) (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 the spills, the time that the ministry and other persons were notified of the spill pursuant to the reporting requirement of the Environmental Protection Act; (g) A record of any waste that was refused at the site, including: amounts reason for refusal and actions taken; and, h) The name and signature of the person completing the report.	EA 15 (1)	See ECA Conditions 5 (5), 14 (3) and 14 (5).	No change. See ECA Conditions 5 (5), 14 (3) and 14 (5).
71	EA 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	EA 15(2)	See Environmental Compliance Approval Conditions 5 (5), 14 (3), and 14 (5).	No change. See Environmental Compliance Approval Conditions 5 (5), 14 (3), and 14 (5).
72	EA 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.	EA 15(3)	See ECA Condition 14(1).	No change. See ECA Condition 14(1).
73	Third Party Audits EA 16(1) The proponent shall retain the services of a Qualified, Independent Professional Engineer to carry out an independent audit of the undertaking.	EA 16(1)	DYEC 2022 Third Party Audit Report - Operations Year 2021	Third Party Audit Report - Operations Year 2022 (April 2023) Third Party Audit Report - Operations Year 2022 Submission Letter (April 2023) MECP Response to Audit Report for 2022 Operating Year (December 2023)
74	EA 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.	EA 16(2)	No change for 2022.	No change. Completed in 2011.
75	EA 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.	EA 16(3)	DYEC Operations Phase Audit Plan Revision 1, April 7, 2020.	No change.
76	EA 16(4) The audit shall include, at a minimum, the following: a) A detailed walkthrough of the entire site; b) A review of all operations used in connection with the undertaking; and, 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. 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.	EA 16(4)	Refer to ECA condition 15 (2).	Refer to ECA condition 15 (2) and Appendix B of the DYEC Third Party Audit Report for the 2022 Reporting year completed by BluMetric.
77	EA 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.	EA 16(5)	Refer to ECA condition 15 (3).	See item 73.
78	EA 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.	EA 16(6)	Refer to ECA condition 15 (3).	See item 73.

Table C2
Environmental Assessment Approval (EAA) Audit Table

Auditor Checklist Item	Condition	Conditions from EA	Auditor Comments April 4 and 5, 2023	Auditor Comments April 2, 2024
79	EA 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.	EA 16(7)	Refer to ECA condition 14 (1).	See item 73 and Third Party Audit Report - Operations Year 2022 Submission Letter dated April 28, 2023.
80	EA 16(8) The proponent shall post the written audit report and any associated documentation available for the undertaking following submission of the report to the ministry	EA 16(8)	No change. See item 79.	See item 79.
81	Spill Contingency and Emergency Plan EA 17(1) The proponent shall prepare and implement a spill contingency and emergency response plan. 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 a the site or such other date as agreed to in writing by the Director	EA 17 (1) & EA 17(2)	Completed in 2014.	No change. Completed in 2014.
82	EA 17(3) The Spill Contingency and Emergency Response Plan shall include, but is not limited to: a) Emergency response procedures , including notification procedures in case of a spill, fires, explosions or other disruptions to the operations of the facility; b) Cell and business phone numbers and work locations for all person(s) responsible for the management of the site; c) Emergency phone numbers for the local ministry office, the ministry's sills action centre, and the local Fire Department; d) Measures to prevent spills, fires and explosions; e) Procedures for use in the event of a fire;	EA 17(3)	Completed in 2014.	See item 81.
83	EA 17(3) 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 fire fighting equipment i) Training for site operations and emergency response personnel; and j) A plan, identifying the location and nature of wastes on site.	EA 17(3)	Completed in 2014.	See item 81.
84	EA 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.	EA 17(4)	Completed in 2014.	Per the Revised Spill Contingency and Emergency Response Plan submission letter to MECP dated January 26, 2024, the revised Plan was submitted to the Municipality of Clarington and Clarington Emergency and Fire Services for comments.
85	EA 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.	EA 17(5)	There were no reportable spills documented in 2022. In 2022, one spill was reported to the MECP as a precautionary measure. The MECP confirmed that the spill was exempt from reporting requirements.	The 2023 Site spill log identified 15 spills associated with site operations (e.g. lubricant, hydraulic oil, control oil, grease, mechanical oil, lime, slag, settling basin water). There were no reportable spills documented in 2023. Facility staff note that spills in excess of 100 L are reported or if there is a discharge to the natural environment. The quantity of settling basin water spilled was reportedly 200 L; however, because this was water and was an overflow into the drainage trench, and did not leave the trench it was not considered a reportable spill - the overflow occurred during a facility shutdown and a frac tank was brought to site to contain excess water. The water was subsequently treated and returned to the process once the facility operations re-commenced.
86	Odour Management and Mitigation EA 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. 18(2) 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.	EA 18 (1) & 18 (2)	18(1) completed in 2015 18(2) 2022 Odour Management and Mitigation Monitoring Report	18(1) No change, completed in 2015. 18(2) 2023 Odour Management, Mitigation Monitoring Report, Covanta (November 2023) 2023 Odour Management, Mitigation Monitoring Report Submission Letter (November 23, 2023) MECP review of 2023 Odour Management, Mitigation Monitoring Report (February 8, 2024)
87	EA 18(3) The Odour Management and Mitigation Plan shall include at a minimum: 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.	EA 18(3)	Completed in 2015.	No change.

Table C2
Environmental Assessment Approval (EAA) Audit Table

Auditor Checklist Item	Condition	Conditions from EA	Auditor Comments April 4 and 5, 2023	Auditor Comments April 2, 2024
88	EA 18(4) 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.	EA 18(4)	2022 Odour Management and Mitigation Monitoring Report, November 2022 and submission letter dated November 25, 2022	2023 Odour Management, Mitigation Monitoring Report, Covanta (November 2023) 2023 Odour Management, Mitigation Monitoring Report Submission Letter (November 23, 2023)
89	EA 18(5) 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. EA 18(6) 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.	EA 18(5) EA 18(6)	No change in 2022.	See item 88.
90	Noise Monitoring and Reporting EA 19(1) The proponent shall prepare, and implement a Noise Monitoring and Reporting Plan for the undertaking.	EA 19(1)	No change in 2022	No change. DYEC Noise Monitoring and Reporting Plan, Golder (Initial issue September 20211, Revised June 2017) available on DYEC website.
91	EA 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.	EA 19(2)	Completed in 2011.	No change. Completed in 2011.
92	EA 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.	EA 19(3)	Completed in 2011.	No change. Completed in 2011.
93	EA 19(4) The proponent shall post the Noise Monitoring and Reporting Plan and on the proponent's web site for the undertaking following submission of the plan to the Director.	EA 19(4)	Viewed on the DYEC website.	No change. Available on the DYEC website.
94	Groundwater and Surface Water Monitoring and Reporting EA 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 ministries Central Region Office and to the satisfaction of the Regional Director, a Groundwater and Surface Water Monitoring Plan.	EA 20(1)	Completed in 2016. Reduction in GW sampling frequency was approved by the Ministry on May 7, 2019.	No change. As noted the MECP approved (May 7, 2019) approved a reduction in groundwater sampling frequency from three times per year to once per year.
95	EA 20(2) The proponent shall provide the Groundwater and Surface Water Monitoring Plan to other any government agencies for review and comment, as may be appropriate.	EA 20(2)	Not applicable in 2022.	Facility Staff indicated that there were no requests for the Groundwater and Surface Water Monitoring Plan or Associated results by other government agencies in 2023.
96	EA 20(3) The Groundwater and Surface Water Monitoring Plan shall include at a minimum: 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 plan by the Regional Director.	EA 20(3)	a), b), c) Completed in 2012. d) Quarterly meetings, including annual meeting, conducted as per facility personnel.	(a - c) DYEC Groundwater and Surface Water Monitoring Plan, Stantec (September, 2011) available on DYEC website. (d) Quarterly meetings are conducted with the Region, Covanta and the MECP.
97	EA 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.	EA 20(4)	Refer to Item 94.	No change. Refer to Item 94.
98	EA 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.	EA 20(5)	Refer to Item 94.	No change. Refer to Item 94.
99	Groundwater and Surface Water Monitoring and Reporting EA 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.	EA 20 (6)	2021 Annual Groundwater Surface Water Annual Report, RWDI, April 27, 2022 MECP Acknowledgement Letter, January 30, 2023 accepting the proposal to hold the Surface Water Monitoring Program in abeyance until construction in the area subsides.	2022 Groundwater and Surface Water Annual Report, RWDI (April 21, 2023) available on DYEC website. Draft report for 2023 provided through shared drive. See item 96.
100	EA 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.	EA 20 (7)	No change in 2022.	No change in 2023.

Table C2
Environmental Assessment Approval (EAA) Audit Table

Auditor Checklist Item	Condition	Conditions from EA	Auditor Comments April 4 and 5, 2023	Auditor Comments April 2, 2024
101	EA 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	EA 20 (8)	Refer to Item 99.	2023 DRAFT Groundwater and Surface Water Annual Report, RWDI (February 9, 2024), provided by Facility Staff. 2022 Groundwater and Surface Water Annual Report, RWDI (April 21, 2023) available on DYEC website.
102	EA 20(9) The proponent shall prepared and submit to the director and Regional Director, a reporting containing the results of the groundwater and surface water monitoring program within 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.	EA 20 (9)	Refer to ECA condition 7(14)(b)	See Item 85 and 99. No occurrences of conditions a-d in 2023.
103	EA 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.	EA 20 (10)	No change in 2022.	2022 Groundwater and Surface Water Annual Report, RWDI, (April 21, 2023) available on DYEC website. 2023 DRAFT Groundwater and Surface Water Annual Report, RWDI (February 9, 2024), provided by Facility Staff and has not been finalized or posted on the DYEC website.
104	Types of Waste and Service Area EA 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 this site.	EA 21 (1)	Refer to ECA Conditions 2 (1), 2 (2), 2 (3).	Refer to ECA Conditions 2 (1), 2 (2), 2 (3). Only non-hazardous waste from within the jurisdictional boundaries of the Regional Municipality of Durham and the Regional Municipality of York was processed in 2023, as stated in the 2023 DYEC operations report.
105	EA 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 the materials recycling faculty or other processing facility.	EA 21 (2)	Refer to ECA Condition 2(3)(b).	No change.
106	EA 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.	EA 21 (3)	Refer to ECA Condition 4(2) and 4(3).	No change.
107	EA 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.	EA 21 (4)	Refer to ECA Condition 4(3).	No change.
108	Amount of Waste EA 22(1) The maximum amount of non-hazardous municipal solid waste that may be processed at the site is 140,000 tonnes per year.	EA 22(1)	The quantity of waste processed in 2022 was 140,000 tonnes based on pit inventory.	The quantity of waste processed in the Boilers during 2023 was 140,000 tonnes as stated in the 2023 operations report.
109	Notice of the Date Waste First Reviewed EA 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.	EA 23 (1)	No change in 2022.	No change. Letter to MECP on February 10, 2015, waste was first received February 9, 2015.
110	Construction and Operation Contracts EA 24(1) In carrying out the undertaking, the proponent shall require that its contractors, subcontractors and employees: a) full fil 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.	EA 24 (1)	Refer to ECA condition 9(1) and 6	No change.
111	Amending procedures EA 25(1) Prior to implementing any proposed changes to the undertaking, the proponent shall determine what Environmental Assessment Act requirements are applicable to the proposed changes and shall fulfill those Environmental Assessment Act requirements.	EA 25 (1)	No amendments in 2022.	N/A - no amendments

Appendix D

Site Walkthrough Photos



Photo 1: View of signage at access road to the Scale House.



Photo 2: View of signage at access gate to Site, southwest corner of Site.



Photo 3: View of a pest control unit ajar, along northern fence.



Photo 4: View of pest control unit outside of the Scale House.



Photo 5: View of spill kit beside western storm management pond.



Photo 6: View of western storm management pond.



Photo 7: View trees planted for visual screening.



Photo 8: View of litter and compressed gas cages outside of Tipping Building.



Photo 9: View of debris and litter along road in the Site.



Photo 10: View of damaged Tipping Building east door.



Photo 11: View of contractor waste stored outside near the wastewater settling basin, north of the Residue Building.

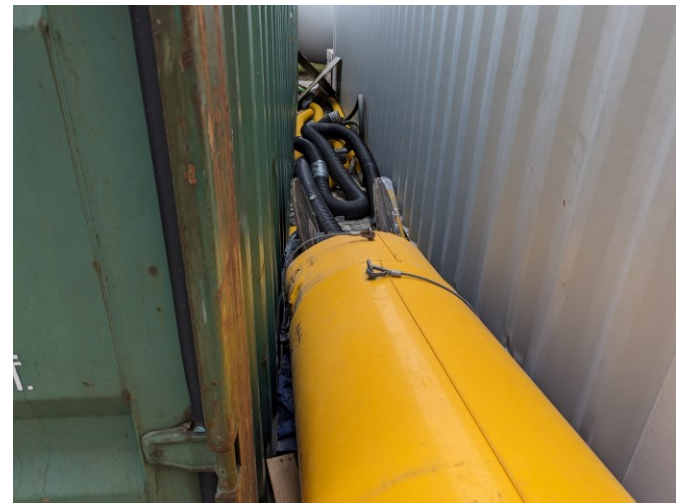


Photo 12: View of hoses and other items stored between outdoor sea cans, located south of the Grizzly Building.



Photo 13: View of waste in a Boiler Building spill kit.



Photo 14: View of new oil storage in the Boiler Building.



Photo 15: View of damaged ash cover in the Boiler Building.



Photo 16: View of open hydro-pneumatic control cabinet in the Boiler Building.



Photo 17: View of damaged door observed to be ajar, in the Grizzly Building.



Photo 18: View of an unlabeled bucket of process water in the Boiler Building.

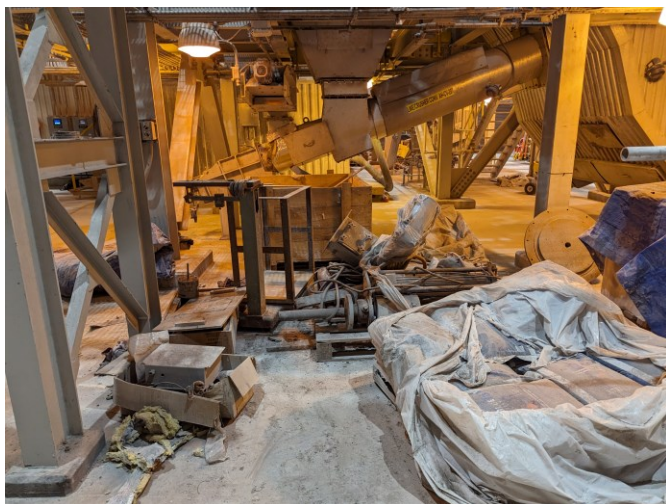


Photo 19: View of miscellaneous equipment in the Boiler Building.

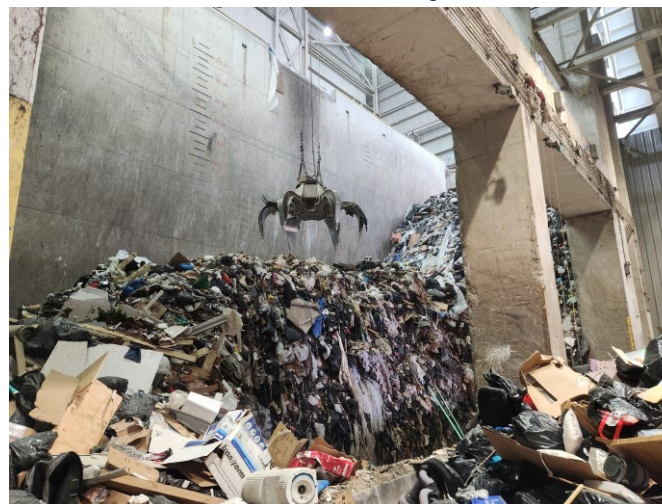


Photo 20: View of the waste grapple in the Tipping Building.



Photo 21: View of unacceptable waste, bulk waste, and recyclable storage in the Tipping Building.



Photo 22: View of AMESA system in the Air Pollution Control (APC) Building.



Photo 23: View of compressed gas cylinders outside of storage cages, south of the Grizzly Building.



Photo 24: View of secured monitoring wells within the Site.



Photo 25: View of radiation alarm in Scale House.



Photo 26: View of the ammonia storage tank.



Photo 27: View ammonia secondary containment area.



Photo 28: View of shovel and litter beside the ammonia storage tank.



Photo 29: View of the cement and pozzolan silos.



Photo 30: View of an open door to pozzolan silo.



Photo 31: View of the diesel storage tank, north of the Residue Building.



Photo 32: View of the entrance gate near Scale House.

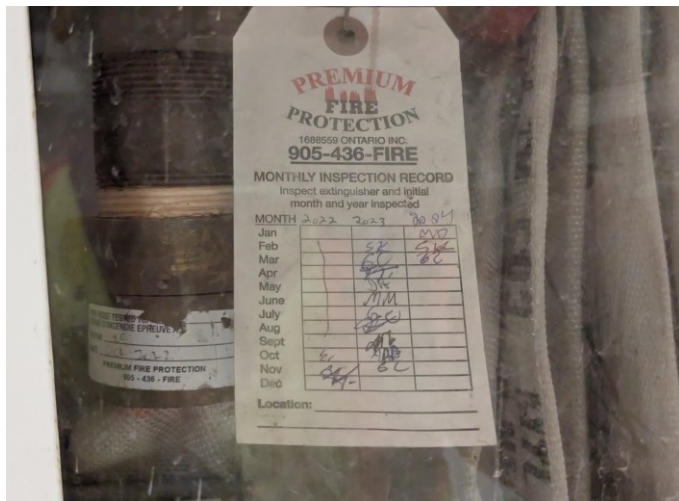


Photo 33: View of a fire extinguisher inspection tag.



Photo 34: View of the wastewater settling basin.



Photo 35: View of staining observed south of the generator, near the Grizzly Building.



Photo 36: View of a damaged sign north of the Tipping Building.

Appendix E
Documents Available on the Project Website

Appendix E
Documents Available on the Project Website

Item #	Confirmed	DOCUMENT REQUIRED	REFERENCE DOCUMENT	SPECIFIC CONDITION/SECTION	DETAILED CONDITION/SECTION	COMMENTS	Web Link	Web Link - to specific PDF
Web 1	✓	Ambient Air Monitoring and Reporting Plan & Reports	EA	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.	Also required by CofA Condition 7. (4) (c).	https://www.durhamyorkwaste.ca/en/environmental-monitoring/ambient-air.aspx	https://www.durhamyorkwaste.ca/en/environmental-monitoring/ambient-air.aspx#2023-Ambient-Air-Reports
W 2	✓	Ambient Air Monitoring and Reporting Plan & Reports	CofA	7. (4) (c)	The Regions shall post the Ambient Air Monitoring and Reporting Plan and the results of the Ambient Air Monitoring program on the Owner's web site for the Facility in accordance with the requirements of the EA Approval and Condition 15.	Also required by EA Condition 11.9	https://www.durhamyorkwaste.ca/en/environmental-monitoring/ambient-air.aspx	https://www.durhamyorkwaste.ca/en/environmental-monitoring/ambient-air.aspx#2023-Ambient-Air-Reports
W 3	✓	Complaint Protocol	EA	7.4.c	Information on the Complaint Protocol required by Condition 6 of this Notice of Approval.	Complaint Protocol is also referenced in EA Conditions 6.2 and 6.3.	https://www.durhamyorkwaste.ca/en/operations-documents/complaint-inquiry-protocol-and-logs.aspx?_mid_=1057#2023	https://www.durhamyorkwaste.ca/en/operations-documents/resources/Documents/EFW_Complaint_Protocol.pdf
W 4	✓	Complaint Protocol	EA	6.2	The Complaint Protocol shall be provided to the advisory committee for review prior to submission to the Director.	Required to be posted based on EA Condition 7.4.c, but otherwise does not specifically state that the plan must be posted the the website. Also referenced in EA Condition 6.3.	https://www.durhamyorkwaste.ca/en/operations-documents/complaint-inquiry-protocol-and-logs.aspx?_mid_=1057#2023	https://www.durhamyorkwaste.ca/en/operations-documents/resources/Documents/EFW_Complaint_Protocol.pdf
W 5	✓	Complaint Protocol	EA	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.	Required to be posted based on EA Condition 7.4.c, but otherwise does not specifically state that the plan must be posted the the website. Also referenced in EA Condition 6.2.	https://www.durhamyorkwaste.ca/en/operations-documents/complaint-inquiry-protocol-and-logs.aspx?_mid_=1057#2023	https://www.durhamyorkwaste.ca/en/operations-documents/resources/Documents/EFW_Complaint_Protocol.pdf
W 6	✓	Compliance Monitoring Program	EA	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.	Required to be posted based on EA Condition 7.4, but otherwise does not specifically state that the plan must be posted the the website	https://www.durhamyorkwaste.ca/en/environmental-monitoring/compliance-monitoring-program-and-reports.aspx#Compliance-Monitoring-Program	https://www.durhamyorkwaste.ca/en/environmental-monitoring/resources/Documents/ComplianceMonitoringProgramandR eports/Compliance_Monitoring_Program.pdf
W 7	✓	Compliance Reports	EA	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.	Required to be posted based on EA Condition 7.4, but otherwise does not specifically state that the plan must be posted the the website. Compliance reports are also referenced in EA Condition 8.2.d	https://www.durhamyorkwaste.ca/en/environmental-monitoring/compliance-monitoring-program-and-reports.aspx#Compliance-Monitoring-Reports	https://www.durhamyorkwaste.ca/en/environmental-monitoring/resources/Documents/ComplianceMonitoringProgramandR eports/2023/20231103_RPT_2023_Annual_Compliance_Monitoring_E FWAC_ACC_FINAL.pdf
W 8	✓	Compliance Reports	EA	8.2.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.	Required to be posted based on EA Condition 7.4, but otherwise does not specifically state that the plan must be posted the the website. Compliance reports are also referenced in EA Condition 5.4	https://www.durhamyorkwaste.ca/en/environmental-monitoring/compliance-monitoring-program-and-reports.aspx#Compliance-Monitoring-Reports	https://www.durhamyorkwaste.ca/en/environmental-monitoring/resources/Documents/ComplianceMonitoringProgramandR eports/2023/20231103_RPT_2023_Annual_Compliance_Monitoring_E FWAC_ACC_FINAL.pdf
W 9	✓	Groundwater and Surface Water Monitoring Plan	CofA	16. (1) (g)	Groundwater and Surface Water Monitoring and Reporting Plan, prepared in accordance with the requirements of the EA Approval.	Also required by CofA Condition 7. (14) (c) and EA Condition 20.1.	https://www.durhamyorkwaste.ca/en/environmental-monitoring/groundwater-and-surface-water.aspx	https://www.durhamyorkwaste.ca/en/environmental-monitoring/resources/Documents/GroundwaterandSurfaceWater/2022/20230421_RPT_2022_Annual_GWSW_ACC.pdf
W 10		Groundwater and Surface Water Monitoring Plan & Reports	EA	20.10.	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.	Also required by CofA Conditions 7. (14) (c) and 16. (1) (g).	https://www.durhamyorkwaste.ca/en/environmental-monitoring/groundwater-and-surface-water.aspx	https://www.durhamyorkwaste.ca/en/environmental-monitoring/resources/Documents/GroundwaterandSurfaceWater/2022/20230421_RPT_2022_Annual_GWSW_ACC.pdf
W 11		Groundwater and Surface Water Monitoring Plan & Reports	CofA	7. (14) (c)	The Regions shall post the Groundwater and Surface Water Monitoring Plan and the results of the Groundwater and Surface Water Monitoring program on the Owner's web site for the Facility in accordance with the requirements of the EA Approval and Condition 15.	Also required by CofA Condition 16. (1) (g) and EA Condition 20.1.	https://www.durhamyorkwaste.ca/en/environmental-monitoring/groundwater-and-surface-water.aspx	https://www.durhamyorkwaste.ca/en/environmental-monitoring/resources/Documents/GroundwaterandSurfaceWater/2022/20230421_RPT_2022_Annual_GWSW_ACC.pdf
W 12		Multiple	EA	7.4	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:	This condition requires posting of multiple documents (no specific documents listed as part of this condition).	https://www.durhamyorkwaste.ca/en/index.aspx	
W 13		Multiple	EA	7.4.a	Activities that are part of the undertaking, including monitoring activities;	This condition requires posting of multiple document (no specific documents listed as part of this condition).	https://www.durhamyorkwaste.ca/en/index.aspx	
W 14		Multiple	EA	7.4.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,	This condition requires posting of multiple documents (no specific documents listed as part of this condition).	https://www.durhamyorkwaste.ca/en/index.aspx	
W 15		Multiple	CofA	16. (1)	The Owner shall, at all times, maintain documentation that describes the current operations of the Facility. The Owner shall post the documentation at the website for the undertaking and during regular business hours, the Owner shall make the following documents available for inspection at the Site by any interested member of the public, upon submission to the Ministry for review:	This condition does not specifically state which documents shall be posted to website, but interpretation suggests the documents outlined in CofA Conditions 16. (1) (a)-(g). Note: EA Conditions 16. (1) (a)-(c) are not applicable to the construction phase.	https://www.durhamyorkwaste.ca/en/index.aspx	

Appendix E
Documents Available on the Project Website

Item #	Confirmed	DOCUMENT REQUIRED	REFERENCE DOCUMENT	SPECIFIC CONDITION/SECTION	DETAILED CONDITION/SECTION	COMMENTS	Web Link	Web Link - to specific PDF
W 16	✓	Noise Monitoring and Reporting Plan	EA	19.4	The proponent shall post the Noise Monitoring and Reporting Plan and on the proponent's web site for the undertaking following submission of the plan to the Director.	Also required by CofA Condition 16. (1) (f)	https://www.durhamyorkwaste.ca/en/environmental-monitoring/noise.aspx#Reports	https://www.durhamyorkwaste.ca/en/environmental-monitoring/resources/Documents/Noise/2016_Acoustic_Audit_Report.pdf
W 17	✓	Noise Monitoring and Reporting Plan	CofA	16. (1) (f)	Noise Monitoring and Reporting Plan, prepared in accordance with the requirements of the EA Approval; and	Also required by EA Condition 19.4	https://www.durhamyorkwaste.ca/en/environmental-monitoring/noise.aspx#Reports	https://www.durhamyorkwaste.ca/en/environmental-monitoring/resources/Documents/Noise/2016_Acoustic_Audit_Report.pdf
W 18	✓	Odour Management and Mitigation Plan	EA	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.	Required to be posted based on EA Condition 7.4, but otherwise does not specifically state that the plan must be posted the the website. Also required by CofA Condition 16. (1) (e).	https://www.durhamyorkwaste.ca/en/environmental-monitoring/odour.aspx#Reports	https://www.durhamyorkwaste.ca/en/environmental-monitoring/resources/Documents/Odour/2023%20Odour%20Monitoring/20231121_RPT_Odour_MMM_ACC.pdf
W 19	✓	Odour Management and Mitigation Plan	CofA	16. (1) (e)	Odour Management and Mitigation Plan, prepared in accordance with the requirements of the EA Approval;	Also required by EA Condition 18.2	https://www.durhamyorkwaste.ca/en/environmental-monitoring/odour.aspx#Reports	https://www.durhamyorkwaste.ca/en/environmental-monitoring/resources/Documents/Odour/2023%20Odour%20Monitoring/20231121_RPT_Odour_MMM_ACC.pdf
W 20	✓	Terms of Reference for the Advisory Committee (EFWAC)	EA	8.11	The proponent shall submit the advisory committee's Terms of Reference to the Director and Regional Director.	Required to be posted based on EA Condition 7.4, but otherwise does not specifically state that the plan must be posted the the website	https://calendar.durhamyorkwaste.ca/meetings/	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/EFWAC_TermsOfReference.pdf
W 21	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	Waste Diversion Monitoring Plan	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#Plans	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/20111021%20Durham%20Region%20Waste%20Diversion%20Report%202010%20(Letter)_ACC.pdf https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/SM4RTLivingMasterPlanReportAODA.pdf
W 22	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	Durham Region Annual Report 2022	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2022	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2022%20Waste%20Diversion%20Reports/20231031_RPT_Durham_2022_Annual_Waste_Diversion_ACC_RFS.pdf
W 22	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	Durham Region Annual Report 2021	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2021	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2021%20Waste%20Diversion%20Reports/20221017_RPT_2022_Durham_Annual_Waste_Diversion_rfs_ACC.pdf
W 22	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	Durham Region Annual Report 2020	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2020	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2020%20Waste%20Diversion%20Reports/20211027_RPT_Durham-Region_DYEC_2020_Annual_Waste_Diversion_Report_rfs.pdf
W 22	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	Durham Region Annual Report 2019	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2019	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2019%20Waste%20Diversion%20Reports/20200930_RPT_2019_Durham_Annual_Waste_Diversion_ACC_RFS.pdf
W 22	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	Durham Region Annual Report 2018	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2018	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/20191031_RPT_DYEC_Durham_Region_2018_Annual_Waste_Diversion_Report_RFS.pdf
W 22	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	Durham Region Annual Report 2017	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2017	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/20181102_RPT_DYEC_Durham_Region_Waste_Diversion_Report_2017.pdf
W 22	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	Durham Region Annual Report 2016	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2016	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/20171103_Durham_Region_2016_Annual_Waste_Diversion_RPT.pdf
W 22	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	Durham Region Annual Report 2015	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2015	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2015_DurhamRegion_WasteDiversionReport.pdf
W 22	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	Durham Region Annual Report 2014	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2014	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2014_Durham_Region_Waste_Diversion_Report.pdf
W 22	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	Durham Region Annual Report 2013	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2013	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2013_Durham_Region_Waste_Diversion_Report.pdf
W 22	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	Durham Region Annual Report 2012	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2012	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2012_Durham_Region_Waste_Diversion_Report.pdf
W 22	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	Durham Region Annual Report 2011	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2011	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2011_Durham_Region_Waste_Diversion_Report.pdf
W 22	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	Durham Region Annual Report 2010	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2010	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2010_Durham_Region_Waste_Diversion_Report.pdf

Appendix E
Documents Available on the Project Website

Item #	Confirmed	DOCUMENT REQUIRED	REFERENCE DOCUMENT	SPECIFIC CONDITION/SECTION	DETAILED CONDITION/SECTION	COMMENTS	Web Link	Web Link - to specific PDF
W 23	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	York Region Annual Report 2022	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2022	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2022%20Waste%20Diversion%20Reports/RPT_2022_York%20Region%20Annual_Waste_Management_ACC.pdf
W 23	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	York Region Annual Report 2021	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2021	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2021%20Waste%20Diversion%20Reports/20221025_RPT_2021_York_Waste-Diversion_ACC_rfs.pdf
W 23	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	York Region Annual Report 2020	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2020	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2020%20Waste%20Diversion%20Reports/20211012_RPT_York-Region_DYEC_2020_Annual_Waste_Diversion_Report.pdf
W 23	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	York Region Annual Report 2019	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2019	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2019%20Waste%20Diversion%20Reports/20201030_RPT_2019_York_Annual_Waste_Diversion_Report_ACC.pdf
W 23	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	York Region Annual Report 2018	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2018	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2018_RPT_York_Region_Waste_Diversion_ACC.pdf
W 23	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	York Region Annual Report 2017	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2017	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2017_York_Region_Waste_Diversion_RPT.pdf
W 23	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	York Region Annual Report 2016	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2016	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/York_Diversion_Report_2016_FINAL_PDF
W 23	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	York Region Annual Report 2015	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2015	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2015_YorkRegion_WasteDiversionReport.pdf
W 23	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	York Region Annual Report 2014	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2014	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2014_York_Region_Waste_Diversion_Report.pdf
W 23	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	York Region Annual Report 2013	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2013	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2013_York_Region_Waste_Diversion_Report.pdf
W 23	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	York Region Annual Report 2012	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2012	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2012_York_Region_Waste_Diversion_Report.pdf
W 23	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	York Region Annual Report 2011	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2011	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2011_York_Region_Waste_Diversion_Report.pdf
W 23	✓	Waste Diversion Program Monitoring Plan & Annual Reports	EA	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.	York Region Annual Report 2010	https://www.durhamyorkwaste.ca/en/education-and-resources/waste-plans.aspx#2010	https://www.durhamyorkwaste.ca/en/education-and-resources/resources/Documents/2010_York_Region_Waste_Diversion_Report.pdf
W 24		Continuous Air Emissions Monitoring	EA	12.8	The proponent shall post the reports of the air emissions monitoring systems on the proponent's web site for the undertaking	Emmissions data DYEC website	https://apps.durham.ca/applications/works/DYEC/EmissionsData/EmissionsData.aspx	
W 25	✓	Odour Management and Mitigation Monitoring Reports	EA	18.6	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.	2023 Odour Management and Mitigation Monitoring Report	https://www.durhamyorkwaste.ca/en/environmental-monitoring/odour.aspx#2023	https://www.durhamyorkwaste.ca/en/environmental-monitoring/resources/Documents/Odour/2023%20Odour%20Monitoring/20231121_RPT_Odour_MMM_ACC.pdf
W 26	✓	Third Party Audits	CofA	16.1(d)	Third party audit in accordance to EA (d) the most current Third Party Audit Report;	2023 Third Party Audits	https://www.durhamyorkwaste.ca/en/environmental-monitoring/third-party-independent-audits.aspx#2023	https://www.durhamyorkwaste.ca/en/environmental-monitoring/resources/Documents/ThirdPartyAudits/Third%20Party%20Audit%202023/20230428_RPT_2022_DYEC_TPA_ACC.pdf

Appendix F
Third Party Audit Legislative Review

Appendix F
DYEC Third Party Audit Legislative Review

Legislation	Application	Impact	Auditor Comments April 28, 2023	Auditor Comments April 2, 2024
National Pollutant Release Inventory (CEPA Section 46-53)	Canada's public inventory of pollutant releases, disposals and transfers	Land, water, air	2021 NPRI annual report submitted on May 31, 2022, prior to the June 1, 2022, deadline.	2022 NPRI annual report submitted on May 31, 2023.
O. Reg. 1/17 Registrations under part II.2 of the act – Activities Requiring Assessment of Air Emissions	Environmental Protection Act	Air	O. Reg. 1/17 does not apply to the facility.	O. Reg. 1/17 does not apply to the facility.
O. Reg. 101/07: Waste Management Projects	Environmental Assessment - Waste Management Projects	Air, Land, Water	O. Reg. 101/07 designates the types of undertakings that require an environmental assessment. Current site activities are reviewed against the current facility EA (refer to Appendix D for the EA Checklist). Future activities are not applicable to the	No change, this Regulation was revoked on February 22, 2024 (See: O. Reg. 50/24, s. 30)
Environmental Protection Act, R.S.O. 1990, c. E.19	Section 9, 27, 53	All	Refer to Appendix D for the ECA checklist.	Refer to Appendix C for the ECA checklist.
O. Reg. 419/05: Air Pollution - Local Air Quality	Source test reporting	Air	Refer to Appendix D for the ECA checklist.	Refer to Appendix C for the ECA checklist.
O. Reg. 390/18: Greenhouse Gas Emissions: Quantification, Reporting and Verification	CO2e emission reporting	Air	2021 GHG annual reports were submitted on May 31, 2022, prior to the June 1, 2022, deadline.	2022 GHG annual reports were submitted on May 31, 2023.
O. Reg. 452/09: Greenhouse Gas Emissions Reporting	CO2e emission reporting	Air	-	This Regulation was revoked on August 1, 2018. (See: 390/18, s. 27)
R.R.O. 1990 Reg. 347 General Waste Management	General waste management (i.e. ash, hazardous waste)	Land, Water, Air	Facility Generator Numbers are ON7245228 (Facility) and ON9300391 (Tipping Floor). Hazardous wastes generated at the facility were removed from site by a licensed hauler (GFL 4100- 4MJLQJ, GFL A840849, Accuworx A841664) to registered receiver (GFL A680301, A390323). Wastes removed from the feed waste (i.e., unacceptable wastes) were removed by A841604 and delivered to 6173-9UBLDJ (Photech). Bulky unprocessable items (nonhazardous) were removed by A840311 and delivered to A680243 (WM).	Facility Generator Numbers are ON7245228 (Facility) and ON9300391 (Tipping Floor). Hazardous wastes generated at the facility were removed from site by a licensed hauler (GFL 4100- 4MJLQJ, GFL A840849) to registered receiver (GFL A680301, A390323). Wastes removed from the feed waste (i.e., unacceptable wastes) were removed by A841604 and delivered to 6173-9UBLDJ (Photech). Bulky unprocessable items (nonhazardous) were removed by and delivered to 6173-9UBLDJ (Photech).
O. Reg. 463/10: Ozone Depleting Substances and Other Halocarbons	HVAC equipment - handled by Contractor	Air	Facility personnel obtain a copy of ODS technician licences.	Facility personnel obtain a copy of ODS technician licences.
O. Reg. 255/11: Applications for Environmental Compliance Approvals	New and amended Environmental Compliance Approvals	Land, Water, Air	O. Reg. 255/11 specifies the requirements of an ECA application. There were no ECA applications submitted during the audit period.	No change.