



The Regional Municipality of Durham

COUNCIL INFORMATION PACKAGE

April 14, 2023

Information Reports

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- [2023-INFO-28](#) Commissioner of Works – re: Durham York Energy Centre 2022 Compliance Source Test Update

Early Release Reports

There are no Early Release Reports

Staff Correspondence

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2. [Memorandum from Dr. R. J. Kyle, Commissioner and Medical Officer of Health](#) – re: Health Information Update – April 10, 2023
3. [Memorandum from B. Goodwin, Commissioner of Corporate Services](#) – re: Policy – Appointment of Regional Council Members to Governance Positions of Professional Associations

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1. [City of Oshawa](#) – re: Resolution passed at their Council meeting held on April 3, 2023, regarding a Proposed Amendment to Sign By-law 72-96 to Permit Sandwich Board Signs in the Central Business District Zones in the Downtown Oshawa Urban Growth Centre

Other Municipalities Correspondence / Resolutions

2. [Port Colborne](#) – re: Resolution passed at their Council meeting held on March 14, 2023, in support of the Municipality of Trent Lakes resolution regarding Oath of Office

3. [Municipality of South Huron](#) – re: Resolution passed at their Council meeting held on March 20, 2023, in support of the Municipality of North Perth’s resolution to urge the Provincial Government to install School Bus Stop Arm Cameras
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5. [Municipality of Shuniah](#) – re: Resolution passed at their Council meeting held on April 11, 2023, in support of the Town of Essex’s resolution regarding Municipalities Retaining Surplus Proceeds from Tax Sales
6. [Municipality of Magnetawan](#) – re: Resolution passed at their Council meeting held on April 12, 2023, in support of the Municipality of Chatham-Kent’s resolution regarding Support Bill 5, Stopping Harassment and Abuse by Local Leaders Act
7. [Municipality of Magnetawan](#) – re: Resolution passed at their Council meeting held on April 12, 2023, in support of the Town of Essex’s resolution regarding to Retain Surplus Proceeds from Tax Sales

Miscellaneous Correspondence

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Advisory / Other Committee Minutes

1. Durham Region Anti-Racism Taskforce (DRART) minutes – [March 30, 2023](#)

Members of Council – Please advise the Regional Clerk at clerks@durham.ca, if you wish to pull an item from this CIP and include on the next regular agenda of the appropriate Standing Committee. Items will be added to the agenda if the Regional Clerk is advised by Wednesday noon the week prior to the meeting, otherwise the item will be included on the agenda for the next regularly scheduled meeting of the applicable Committee.

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The Regional Municipality of Durham Information Report

From: Commissioner of Planning and Economic Development
Report: [#2023-INFO-27](#)
Date: April 14, 2023

Subject:

North Durham Online Business Toolkits

Recommendation:

Receive for information

Report:

1. Purpose

1.1 The purpose of this report is to provide an overview of the newly created north Durham Business Toolkits and outline planned promotional efforts to ensure they are reaching desired audiences.

2. Background

2.1 The Agriculture and Rural Economic Development section of the Economic Development and Tourism Division (Invest Durham) supports economic development efforts and initiatives in the Townships of Brock, Scugog and Uxbridge (north Durham) and led the development of the Business Toolkits with support from area municipal staff.

2.2 Business Toolkits were developed for each north Durham municipality to fulfill a need for a one-stop-shop for relevant, Township-specific and up-to-date business resources that are more easily accessible to prospective investors, entrepreneurs, and current business owners.

3. Previous Reports and Decisions

3.1 [Growing North Durham: Rural Economic Development Action Plan \(Report 2023-EDT-2\)](#)

3.2 The development of online business information toolkits for each north Durham municipality was a key action identified under the Investment Readiness goal of this Plan.

4. Business Toolkit Content

4.1 While each toolkit follows a similar format, the information, resources and design have been tailored to each specific municipality, see links below.

- a. Township of Brock: TownshipOfBrock.ca/BusinessToolkit
- b. Township of Scugog: Scugog.ca/BusinessToolkit
- c. Township of Uxbridge: Uxbridge.ca/BusinessToolkit

4.2 Toolkits have been designed with ease of use in mind, and information is organized into the following categories:

- a. **The (Township Name) Advantage:** Toolkits begin with community information tailored towards prospective investors interested in the municipality as a place to do business. Resources include community profiles, regional data reports, strategic plans, etc.
- b. **Starting or Expanding Your Business:** This section includes information and resources of interest to investors or entrepreneurs who have decided to establish a physical presence for their business in the respective municipality and need information on next steps (e.g. site selection, building permits, business licences, development charges, etc.).
- c. **Operating Your Business:** This section includes relevant information for existing business owners and entrepreneurs within the municipality such as resources for hiring local talent, shop local initiatives, local business support organizations, etc.

- d. **Connect with Us:** Contact information for Invest Durham's Rural Economic Development Specialist is included should users have further questions or would like to discuss their investment opportunities in greater detail.

4.3 With support from administrative staff from each Township, Invest Durham's Rural Economic Development Specialist will be responsible for ensuring information and resources within the toolkit are kept up-to-date and new information is added as necessary.

5. Promoting the Business Toolkits

5.1 A series of promotional post-cards have been created for each Township. The post-cards incorporate local branding/colours, logos, natural assets and local landmarks.

5.2 In addition, electronic graphics and matching banner images for the toolkit webpages have been developed to promote the toolkit online.

5.3 Planned activities to promote these toolkits include:

- a. Printing of business toolkit postcards and distribution to members of local Council and appropriate staff, to be available for distribution to businesses during meetings (e.g. grand openings, economic development business visits, etc.)
- b. Distribution of printed postcards to local Chambers of Commerce, Boards of Trade, BIAs, and other offices/facilities where target audiences may visit
- c. A social media campaign in partnership with northern area municipalities and business support organizations
- d. Inclusion in economic development and township newsletters
- e. Word-of-mouth

6. Relationship to Strategic Plan

6.1 This report aligns with/addresses the following strategic goals and priorities in the Durham Region Strategic Plan:

Goal 3: Economic Prosperity

- 3.1 Position Durham Region as the location of choice for business
- 3.2 Leverage Durham's prime geography, social infrastructure, and strong partnerships to foster economic growth

7. Conclusion

- 7.1 With the creation of local business toolkits to serve north Durham, the Townships of Brock, Scugog and Uxbridge are now equipped with a centralized resource for prospective investors and current business owners/entrepreneurs to source valuable resources and information.
- 7.2 As next steps, staff will work with area municipal representatives to share information about how to access and utilize the toolkits. Members of local Council and business support organizations will be instrumental in promoting these toolkits to the local business communities across north Durham.
- 7.3 This report will be sent to the Townships of Brock, Scugog and Uxbridge, as well as the Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA).

Respectfully submitted,

Original signed by

Brian Bridgeman, MCIP, RPP
Commissioner of Planning and
Economic Development

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 3540.



The Regional Municipality of Durham Information Report

From: Commissioner of Works
Report: [#2023-INFO-28](#)
Date: April 14, 2023

Subject:

Durham York Energy Centre 2022 Compliance Source Test Update

Recommendation:

Receive for information

Report:

1. Purpose

1.1 The purpose of this report is to provide an update on the 2022 Compliance Source Test results at the Durham York Energy Centre (DYEC).

2. Background

2.1 As required by the DYEC Environmental Compliance Approval (ECA), the Owners are to perform an annual Compliance Source Test in accordance with the procedures and schedules outlined in Schedule "E" of the ECA. The Compliance Source Test measures the rate of emission of the test contaminants from the stack.

3. Compliance Source Test

3.1 The Compliance Source Test was conducted between November 29, 2022, through to December 2, 2022, for all test contaminants on both Boiler #1 and Boiler #2.

- 3.2 The results summary of the Compliance Source Test demonstrated that all emissions were within the limits detailed in the ECA (**Attachment #1**).
- 3.3 The full Compliance Source Test Report was sent to the Ministry of Environment, Conservation and Parks (MECP) and subsequently posted to the project website.
- 3.4 The DYEC emissions dispersion was modeled utilizing the Voluntary Source Test data and the MECP approved CALPUFF model. The results of the contaminant concentrations at the maximum point of impingement were then compared to the limits within the Ontario Regulation 419/05 Air Pollution – Local Air Quality. Ontario Regulation 419/05 Air Pollution – Local Air Quality limits are set to be protective of human health and the environment.
- 3.5 All of the calculated impingement concentrations were well below the regulatory limits.

4. Owners' Consultant Reviews

- 4.1 Ausenco, the Source Test peer reviewer, provided their Final Report (**Attachment #2**) to the Region on April 3, 2023. Ausenco's report concluded:

“The review of the draft Source Testing Report, combined with our on-site observations, has not revealed any major concerns with regards to the conduct of the source testing, the analytical analysis, or the analytical calculations. Therefore, at this time, there are no concerns about the validity of the source testing data reported by Ortech especially with regard to comparisons to the relevant in-stack limits.”

- 4.2 Ausenco's report provided several discrepancies with regards to the air modelling and has suggested reviewing the model outputs for resolution. The discrepancies identified included use of a different (although more conservative) method than stated within the report with respect to how values below detection limits were treated, and the reported stack conditions within the report. Ausenco noted that given the presented values are well below all applicable standards and guidelines the resolution of the items are for completeness only, and not out of concern for the facility's compliance status. The comments have been shared with Covanta for action.

- 4.3 HDR personnel were also present during the Source Tests. In their report (**Attachment #3**) HDR indicated that:

“HDR completed the review of the preliminary results of the air emissions testing performed during the DYEC Fall 2022 Mandatory Test. Representatives from HDR were present at the DYEC to observe the sampling procedures and facility operations throughout the majority of the testing period that occurred between November 29 and December 2, 2022. HDR observed ORTECH following the approved stack sampling procedures and test methods. HDR also observed Covanta’s plant personnel operating the DYEC under normal operating conditions and in accordance with acceptable industry operating standards. Based on the results summarized in ORTECH’s final test report (dated March 1, 2023), the air emission results of the Fall 2022 Mandatory Test demonstrated that the DYEC operated below the ECA’s Schedule “C” limits.”

5. Continued Demonstrated Performance

- 5.1 The DYEC demonstrates consistent performance, with the appropriate controls and monitoring in place which provide a level of safety and protection to human health and the environment.
- 5.2 The results of testing completed from 2018 to 2022 are presented in Attachment #4. The data presented indicates that the DYEC has consistently demonstrated it can safely and effectively operate within the ECA Schedule “C” limits.
- 5.3 A table comparison of the latest source testing results against the ECA limits and A-7 guideline is presented in Attachment #5. DYEC consistently operates and performs below regulatory limits.

6. Conclusion

- 6.1 The Owners’ technical consultants and peer reviewers have confirmed that the Compliance Source Test was conducted in accordance with the Ministry of the Environment, Conservation and Parks’ guidelines.
- 6.2 All results of the Compliance Source Test were below the concentration limits prescribed in Schedule C of the Environmental Compliance Approval.

6.3 Using CALPUFF dispersion modelling techniques, the predicted maximum point of impingement concentrations, based on the average test results for both boilers, show Durham York Energy Centre to be operating well below all current standards in Regulation 419/05 under the Environmental Protection Act and other Ministry of the Environment, Conservation and Parks criteria including guidelines and upper risk thresholds.

7. **Attachments**

Attachment #1: Compliance Source Test Results Summary

Attachment #2: Ausenco 2022 Compliance Source Test Final Report

Attachment #3: HDR Inc. 2022 Compliance Source Test Technical Memorandum

Attachment #4: Source Test Results 2018-2022

Attachment #5: Comparison Table: 2022 Compliance Source Test Results Compared to ECA limits and Ontario A-7 Guideline

Respectfully submitted,

Original signed by Jenni Demanuele
for

John Presta, P.Eng., MPA
Commissioner of Works

The average results for the tests conducted at Boiler No. 1, along with the respective in-stack emission limits, are summarized in the following table:

| Parameter | Test No. 1 | Test No. 2 | Test No. 3 | Average | In-Stack Limit |
|---|------------|------------|------------|---------|----------------|
| Total Power Output (MWh/day)* | - | - | - | 392 | - |
| Average Combustion Zone Temp. (°C)* | - | - | - | 1169 | - |
| Steam (tonnes/day)* | - | - | - | 806 | - |
| MSW Combusted (tonnes/day)* | - | - | - | 206 | - |
| NO _x Reagent Injection Rate (liters/day)* | - | - | - | 1008 | - |
| Carbon Injection (kg/day)* | - | - | - | 126 | - |
| Lime Injection (kg/day)* | - | - | - | 4158 | - |
| Filterable Particulate (mg/Rm ³) ⁽¹⁾ | <0.38 | <0.20 | 0.25 | <0.27 | 9 |
| PM ₁₀ with Condensable (mg/Rm ³) ⁽¹⁾ | <3.76 | <4.26 | <4.00 | <4.01 | - |
| PM _{2.5} with Condensable (mg/Rm ³) ⁽¹⁾ | <3.29 | <4.19 | <3.94 | <3.81 | - |
| Hydrogen Fluoride (mg/Rm ³) ⁽¹⁾ | <0.11 | <0.11 | <0.11 | <0.11 | - |
| Ammonia (mg/Rm ³) ⁽¹⁾ | 1.06 | 1.10 | 1.12 | 1.09 | - |
| Cadmium (µg/Rm ³) ⁽¹⁾ | 0.032 | 0.11 | 0.046 | 0.063 | 7 |
| Lead (µg/Rm ³) ⁽¹⁾ | 0.21 | 0.26 | 0.22 | 0.23 | 50 |
| Mercury (µg/Rm ³) ⁽¹⁾ | <0.092 | <0.095 | <0.091 | <0.093 | 15 |
| Antimony (µg/Rm ³) ⁽¹⁾ | <0.045 | <0.044 | <0.045 | <0.044 | - |
| Arsenic (µg/Rm ³) ⁽¹⁾ | <0.045 | <0.044 | <0.045 | <0.044 | - |
| Barium (µg/Rm ³) ⁽¹⁾ | 1.67 | 1.50 | 1.66 | 1.61 | - |
| Beryllium (µg/Rm ³) ⁽¹⁾ | <0.045 | <0.044 | <0.045 | <0.044 | - |
| Chromium (µg/Rm ³) ⁽¹⁾ | 1.20 | 1.64 | 1.06 | 1.30 | - |
| Cobalt (µg/Rm ³) ⁽¹⁾ | 0.028 | 0.15 | <0.045 | <0.074 | - |
| Copper (µg/Rm ³) ⁽¹⁾ | 3.41 | 2.04 | 2.26 | 2.57 | - |
| Molybdenum (µg/Rm ³) ⁽¹⁾ | 7.87 | 7.71 | 5.62 | 7.07 | - |
| Nickel (µg/Rm ³) ⁽¹⁾ | 2.14 | 1.46 | 1.12 | 1.57 | - |
| Selenium (µg/Rm ³) ⁽¹⁾ | <0.22 | <0.22 | <0.22 | <0.22 | - |
| Silver (µg/Rm ³) ⁽¹⁾ | <0.045 | <0.044 | <0.045 | <0.044 | - |
| Thallium (µg/Rm ³) ⁽¹⁾ | <0.045 | <0.044 | <0.045 | <0.044 | - |
| Vanadium (µg/Rm ³) ⁽¹⁾ | 0.028 | 0.039 | 0.029 | 0.032 | - |
| Zinc (µg/Rm ³) ⁽¹⁾ | 4.47 | 4.39 | 5.02 | 4.63 | - |
| Dioxins and Furans (pg TEQ/Rm ³) ⁽³⁾ | <3.90 | <3.62 | <3.53 | <3.68 | 60 |
| Total Chlorobenzenes (ng/Rm ³) ⁽¹⁾⁽⁵⁾ | <102 | <114 | <88.3 | <102 | - |
| Total Chlorophenols (ng/Rm ³) ⁽¹⁾ | <169 | <172 | <165 | <168 | - |
| Total PAHs (ng/Rm ³) ⁽¹⁾ | <271 | <538 | <169 | <326 | - |
| VOCs (µg/Rm ³) ⁽¹⁾ | <128 | <45.0 | <204 | <125 | - |
| Aldehydes (µg/Rm ³) ⁽¹⁾ | <13.0 | <11.7 | <11.8 | <12.2 | - |
| Total VOCs (µg/Rm ³) ⁽¹⁾⁽⁴⁾ | <141 | <56.7 | <216 | <137 | - |
| Quench Inlet Organic Matter (THC) (ppm, dry) ⁽²⁾ | 0.1 | 0 | 0.2 | 0.1 | 50 |

* based on process data provided by Covanta

(1) dry at 25°C and 1 atmosphere, adjusted to 11% oxygen by volume

(2) dry basis as equivalent methane (average of each 60 minute test with data recorded in 1-minute intervals)

(3) calculated using the NATO/CCMS (1989) toxicity equivalence factors and the full detection limit for those isomers below the analytical detection limit, dry at 25°C and 1 atmosphere, adjusted to 11% oxygen by volume

(4) Includes all components from the volatile organic compounds test list in the ECA (i.e. Volatile Organic Sampling Train and Aldehyde Sampling train components).

(5) Total excludes monochlorobenzene as the analytical lab couldn't quantify this compound from the SVOC test train. Chlorobenzene was below the detection limit in the VOC test trains.

The average results for the tests conducted at Boiler No. 2, along with the respective in-stack emission limits, are summarized in the following table:

| Parameter | Test No. 1 | Test No. 2 | Test No. 3 | Average | In-Stack Limit |
|---|------------|------------|------------|---------|----------------|
| Total Power Output (MWh/day)* | - | - | - | 392 | - |
| Average Combustion Zone Temp. (°C)* | - | - | - | 1281 | - |
| Steam (tonnes/day)* | - | - | - | 804 | - |
| MSW Combusted (tonnes/day)* | - | - | - | 180 | - |
| NO _x Reagent Injection Rate (liters/day)* | - | - | - | 929 | - |
| Carbon Injection (kg/day)* | - | - | - | 128 | - |
| Lime Injection (kg/day)* | - | - | - | 4234 | - |
| Filterable Particulate (mg/Rm ³) ⁽¹⁾ | <0.19 | 0.22 | 0.20 | <0.20 | 9 |
| PM ₁₀ with Condensable (mg/Rm ³) ⁽¹⁾ | <2.86 | <3.51 | <3.73 | <3.37 | - |
| PM _{2.5} with Condensable (mg/Rm ³) ⁽¹⁾ | <2.64 | <3.29 | <3.66 | <3.20 | - |
| Hydrogen Fluoride (mg/Rm ³) ⁽¹⁾ | <0.11 | <0.10 | <0.10 | <0.10 | - |
| Ammonia (mg/Rm ³) ⁽¹⁾ | 1.01 | 0.74 | 0.75 | 0.83 | - |
| Cadmium (µg/Rm ³) ⁽¹⁾ | 0.026 | 0.025 | 0.033 | 0.028 | 7 |
| Lead (µg/Rm ³) ⁽¹⁾ | 0.17 | 0.049 | 0.22 | 0.15 | 50 |
| Mercury (µg/Rm ³) ⁽¹⁾ | <0.088 | <0.087 | <0.088 | <0.088 | 15 |
| Antimony (µg/Rm ³) ⁽¹⁾ | <0.021 | <0.022 | 0.051 | <0.031 | - |
| Arsenic (µg/Rm ³) ⁽¹⁾ | <0.043 | <0.043 | <0.044 | <0.043 | - |
| Barium (µg/Rm ³) ⁽¹⁾ | 0.12 | 1.24 | 1.37 | 0.91 | - |
| Beryllium (µg/Rm ³) ⁽¹⁾ | <0.043 | <0.043 | <0.044 | <0.043 | - |
| Chromium (µg/Rm ³) ⁽¹⁾ | 0.85 | 0.70 | 1.01 | 0.85 | - |
| Cobalt (µg/Rm ³) ⁽¹⁾ | <0.021 | <0.022 | <0.022 | <0.022 | - |
| Copper (µg/Rm ³) ⁽¹⁾ | 2.03 | 1.95 | 2.08 | 2.02 | - |
| Molybdenum (µg/Rm ³) ⁽¹⁾ | 7.21 | 7.41 | 7.79 | 7.47 | - |
| Nickel (µg/Rm ³) ⁽¹⁾ | 1.16 | 1.13 | 0.92 | 1.07 | - |
| Selenium (µg/Rm ³) ⁽¹⁾ | <0.21 | <0.22 | <0.22 | <0.22 | - |
| Silver (µg/Rm ³) ⁽¹⁾ | <0.043 | <0.043 | <0.044 | <0.043 | - |
| Thallium (µg/Rm ³) ⁽¹⁾ | <0.043 | <0.043 | <0.044 | <0.043 | - |
| Vanadium (µg/Rm ³) ⁽¹⁾ | <0.021 | <0.022 | <0.022 | <0.022 | - |
| Zinc (µg/Rm ³) ⁽¹⁾ | 3.92 | 3.53 | 5.33 | 4.26 | - |
| Dioxins and Furans (pg TEQ/Rm ³) ⁽³⁾ | <2.05 | <7.79 | <1.90 | <3.91 | 60 |
| Total Chlorobenzenes (ng/Rm ³) ⁽¹⁾⁽⁵⁾ | <141 | <119 | <123 | <128 | - |
| Total Chlorophenols (ng/Rm ³) ⁽¹⁾ | <169 | <170 | <169 | <169 | - |
| Total PAHs (ng/Rm ³) ⁽¹⁾ | <177 | <294 | <248 | <240 | - |
| VOCs (µg/Rm ³) ⁽¹⁾ | <102 | <103 | <55.7 | <87.1 | - |
| Aldehydes (µg/Rm ³) ⁽¹⁾ | <14.2 | <17.4 | <14.3 | <15.3 | - |
| Total VOCs (µg/Rm ³) ⁽¹⁾⁽⁴⁾ | <116 | <120 | <70.0 | <102 | - |
| Quench Inlet Organic Matter (THC) (ppm, dry) ⁽²⁾ | 0.1 | 0.2 | 0.7 | 0.3 | 50 |

* based on process data provided by Covanta

(1) dry at 25°C and 1 atmosphere, adjusted to 11% oxygen by volume

(2) dry basis as equivalent methane (average of each 60 minute test with data recorded in 1-minute intervals)

(3) calculated using the NATO/CCMS (1989) toxicity equivalence factors and the full detection limit for those isomers below the analytical detection limit, dry at 25°C and 1 atmosphere, adjusted to 11% oxygen by volume

(4) Includes all components from the volatile organic compounds test list in the ECA (i.e. Volatile Organic Sampling Train and Aldehyde Sampling train components).

(5) Total excludes monochlorobenzene as the analytical lab couldn't quantify this compound from the SVOC test train. Chlorobenzene was below the detection limit in the VOC test trains.

A summary of the minimum, average and maximum concentrations for the combustion gases measured by the DYEC CEMS with in-stack limits listed in the ECA is provided below for the two units.

| Boiler No. | Parameter | Minimum | Average | Maximum | In-Stack Limit |
|--------------|--|---------|---------|---------|----------------|
| Boiler No. 1 | Carbon Monoxide (mg/Rm ³) ⁽¹⁾ | 5.8 | 9.1 | 17.0 | 40 |
| | Hydrogen Chloride (mg/Rm ³) ⁽²⁾ | 0.2 | 0.4 | 0.6 | 9 |
| | Nitrogen Oxides (mg/Rm ³) ⁽²⁾ | 111 | 112 | 113 | 121 |
| | Sulphur Dioxide (mg/Rm ³) ⁽²⁾ | 0 | 0.5 | 0.8 | 35 |
| Boiler No. 2 | Carbon Monoxide (mg/Rm ³) ⁽¹⁾ | 6.0 | 9.4 | 13.5 | 40 |
| | Hydrogen Chloride (mg/Rm ³) ⁽²⁾ | 3.3 | 3.8 | 4.3 | 9 |
| | Nitrogen Oxides (mg/Rm ³) ⁽²⁾ | 110 | 111 | 112 | 121 |
| | Sulphur Dioxide (mg/Rm ³) ⁽²⁾ | 0 | 0.6 | 1.4 | 35 |

(1) 4-hour average measured by DYEC CEMS, dry at 25°C and 1 atmosphere adjusted to 11% oxygen by volume

(2) 24-hour average measured by DYEC CEMS, dry at 25°C and 1 atmosphere adjusted to 11% oxygen by volume

The emission data measured at each Boiler BH Outlet during the testing program was combined and used to assess the emissions from the Main Stack against the current point of impingement criteria detailed in Ontario Regulation 419/05.

Dispersion modelling was completed using the CALPUFF model (using Version 7.2.1 level 150618 as approved by the MECP in December 2021) by WSP Canada Inc. (formerly Golder Associates). A summary of the results are provided in the tables appended to this report (Appendix 27) based on calculated ground level Point of Impingement (POI) concentrations for the average total Main Stack emissions. As shown in the tables, the calculated impingement concentrations for all the contaminants were well below the relevant MECP standards.

In summary, the key results of the emission testing program are:

- The facility was maintained within the operational parameters defined by the amended ECA that constitutes normal operation during the stack test periods. Testing was conducted at a steam production rate of greater than 797 tonnes of steam per day for each Boiler (approximately 98.7% of maximum continuous rating). The maximum continuous rating for the facility is 1614.7 tonnes of steam per day for the two Boilers combined (33.64 tonnes of steam per hour or 807.4 tonnes per day for each Boiler).
- The in-stack concentrations of the components listed in the ECA were all below the concentration limits provided in Schedule C of the ECA.
- Using CALPUFF dispersion modelling techniques, the predicted maximum point of impingement concentrations, based on the average test results for both boilers, show DYEC to be operating well below all current standards in Regulation 419/05 under the Ontario Environmental Protection Act and other MECP criteria including guidelines and upper risk thresholds.

Tables referenced in this report for the tests conducted at Boiler No. 1 and Boiler No. 2 are provided in Appendix 1 and Appendix 2, respectively.

Peer Review of DYEC Air Emissions Source Testing Peer Review of Compliance 2022 Source Testing



Photo Credit: <https://www.plant.ca/features/cleaner-burn/>

Prepared for:

The Regional Municipality of Durham
605 Rassland Road East, Box 623
Whitby, ON L1N 6A3

Project No. 106916-01

April 3, 2023

Prepared by:

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Disclaimer

This work was performed in accordance with the Consulting/Professional Services agreement between Ausenco Sustainability Inc., formerly Hemmera Envirochem Inc., a wholly owned subsidiary of Ausenco Engineering Canada Inc. (Ausenco), and The Regional Municipality of Durham (Client), dated May 6, 2022 (Contract). This report has been prepared by Ausenco, based on fieldwork conducted by Ausenco, for sole benefit and use by The Regional Municipality of Durham. In performing this work, Ausenco has relied in good faith on information provided by others and has assumed that the information provided by those individuals is both complete and accurate. This work was performed to current industry standard practice for similar environmental work, within the relevant jurisdiction and same locale. The findings presented herein should be considered within the context of the scope of work and project terms of reference; further, the findings are time sensitive and are considered valid only at the time the report was produced. The conclusions and recommendations contained in this report are based upon the applicable guidelines, regulations, and legislation existing at the time the report was produced; any changes in the regulatory regime may alter the conclusions and/or recommendations.

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List of Appendices

Appendix A AES Field Notes

List of Acronyms and Abbreviations

| Acronym / Abbreviation | Definition |
|------------------------|---|
| ADMP | Air Dispersion Modelling Plan |
| AES | Adomait Environmental Services |
| CARB | California Air Resources Board |
| CB | Chlorobenzenes |
| CEM | Continuous Emissions Monitoring |
| CO | Carbon Monoxide |
| CP | Chlorophenols |
| D/F | Dioxins and Furans |
| DYEC | Durham York Energy Centre |
| ECA | Environmental Compliance Approval |
| HCl | Hydrogen Chloride |
| HF | Hydrogen Fluoride |
| MECP | Ministry of the Environment, Conservation and Parks |
| NO _x | Nitrogen Oxides |
| O ₂ | Molecular Oxygen |
| O. Reg. 419/05 | Ontario Regulation 419/05 |
| PAH | Polycyclic Aromatic Hydrocarbon |
| PCB | Polychlorinated Biphenyl |
| POI | Point of Impingement |
| QA/QC | Quality Assurance/Quality Control |
| SO ₂ | Sulfur Dioxide |
| SVOCs | Semi-volatile organic compounds |
| TEQ | Toxic Equivalent |
| THC | Total Hydrocarbons |

List of Symbols and Units of Measure

| Symbol / Unit of Measure | Definition |
|--------------------------|---|
| g/s | gram per second |
| kg/hour | kilogram per hour |
| ppm | parts per million |
| m ³ /hour | cubic metre per hour |
| tonnes/hr | tonnes per hour |
| µg/s | microgram per second |
| ng/s | nanogram per second |
| ng TEQ/s | nanogram of toxic equivalents per second |
| pg TEQ/Rm ³ | picogram of toxic equivalents per reference cubic metre |
| °F | degrees Fahrenheit |
| °C | degrees Celsius |
| % | percent |

1.0 Introduction

Ausenco Sustainability Inc. (Ausenco) was retained by The Regional Municipality of Durham (the Region) to provide oversight and expertise in air emissions source testing at the Durham York Energy Centre (DYEC) for the 2022 operating year. Compliance Source Testing was conducted during the week of November 28th, with testing for semi-volatile organic compounds (SVOCs), including dioxins/furans, occurring on December 1st and 2nd. Source testing was completed by ORTECH Consulting Inc (Ortech), while laboratory analysis of the samples was completed by ALS Canada Ltd. (ALS).

As per the agreement between Ausenco and the Region, the entire scope of the peer review of the draft report produced by Ortech included the following:

1. Review of Laboratory Procedures and Results (excluding audit review of actual laboratory work).
2. Review of Ortech report¹, including results and discussions from testing campaign.
3. Review of Dispersion Modelling conducted as part of ECA condition 6.1 and Schedule B (excluding odour modelling). This included:
 - a. Ensuring that emission estimates were calculated correctly from stack testing samples and laboratory results.
 - b. Ensure that dispersion modelling was conducted in accordance with O. Reg. 419/05, and related guidance, such as the MECP's "Air Dispersion Modelling Guideline for Ontario, Version 3.0", dated February 2017.

This report completes and summarizes all the above required tasks.

¹ Ortech, February 16, 2022. Covanta Durham York Renewable Energy Limited Partnership, Durham York Energy Centre, 2022 Compliance Emission Testing in Accordance with Amended Environmental Compliance Approval (ECA) No. 7306-8FDKNX. Report No. 22160 to the Regional Municipality of Durham. 748 pp.

2.0 On-Site Source Testing Observations

On-site auditing of the testing was sub-contracted to, and completed by, Adomait Environmental Solutions Inc. (AES), led by Martin Adomait, M.Sc., P.Eng. AES staff were on on-site during stack testing for the two (2) days of sampling for SVOCs, including dioxins and furans (D/F). The on-site review of the Stack Sampling Protocol ensures that it follows sampling methods described in the Ontario Source Testing Code and includes a review of:

1. On-site assessment of testing,
2. Sampling locations,
3. Sampling procedures,
4. Sample recovery and analysis, and
5. Process parameter review.

The following sections were provided to the Region in a memorandum dated January 16th, 2023. They are replicated here for completeness and to provide the Region with a single document summarizing the entirety of the peer review.

2.1 Observations of Process Operations Centre

Current policy, precipitated by COVID-19 pandemic health and safety measures to reduce the risk of infection, placed the control room off-limits to the auditor. Instead, the auditor was stationed in a conference room equipped with a screen to display real-time and recent data related to parameters being monitored. In addition, Excel files containing one-minute data were provided to the auditor at intervals during the stack testing events. The one-minute data corresponded to times of the stack tests for parameters monitored in previous audits, except for the quench-tower inlet/outlet temperatures and moisture levels. The temperatures were provided separately, reported at 10-minute intervals; however, moisture data could only be accessed directly from the system monitors in the control room. Therefore, the December 2022 Compliance Source Testing audit does not include the monitoring of moisture levels.

The auditing process involved reviewing the Excel files, monitoring the real-time display of trending data, taking notes of anomalies and discussing deviations with facility staff and any measures taken as a result. In addition, rolling averages were calculated from the 1-minute data, consistent with performance requirements, as a measure of the unit's performance during the testing. The rolling averages included:

- O₂ – 60-minute rolling average
- CO – 4-hour rolling average
- NO_x – 24-hour rolling average (in this case, portion of day that data was collected)

The following observations of the Process Operations Center were made during the stack testing:

1. As a general observation, parameters being recorded as performance indicators exhibited stable readings throughout the observation periods. The few deviations that were observed, such as CO spikes, were typical of previous tests and generally did not persist beyond one minute.
2. The DYEC's Environmental Compliance Approval (ECA) specifies that the O₂ concentration shall not be less than 6% as recorded by the CEM system. O₂ concentrations, calculated as a 60-minute rolling average, ranged from 7.4 to 8.6%, and, therefore, are compliant with the facility's permit.

3. CO concentrations were generally stable throughout the tests, ranging between 2.1 and 45 ppm. The calculated 4-hour average ranged from 6.1 to 8.9. Occasional spikes in CO concentration were less than 46 ppm and were likely cold CO spikes that may be attributed to incomplete combustion. In every case, the CO concentrations immediately returned to typical CO concentrations. The occurrence of CO spikes is normal, and the immediate suppression of spikes indicate that the systems are operating effectively.
4. The combustion zone temperatures for each boiler were maintained above the minimum temperature of 1000°C.
5. The average NO_x concentrations during each day of testing fell within a narrow range between 109 and 110 ppm, which is below the emission limit of 121 ppm calculated as a 24-hour rolling arithmetic average.
6. The quench tower inlet and outlet temperatures showed consistent control, reducing inlet temperatures by 0.6 to 11°C on average on both monitoring days during sample collection. The inlet temperatures varied within a 4-degree band, with daily averages ranging from 167 to 173°F (75 to 78°C). A gradual rise in temperature was not observed, other than for Unit 2 on the second day. The outlet temperatures generally remained in the low to mid 150's°F (approximately 65 to 68°C).
7. As a result of consistent outlet temperatures from the Quench tower, the baghouse inlet temperatures remained steady, generally between 139°C and 147°C. This is approximately the midpoint of the performance range 120°C to 185°C required as set out in the ECA (Section 6(2)(h)). These readings were consistent with observations from previous stack tests (typically in the range of 138°C to 145°C). Consistent temperatures in the baghouse allow comparison between data sets at different times. It is also important when considering the volatilization of various dioxins and furans that may be in particle-bound form in the baghouse. Increased temperatures could volatilize dioxins and furans already captured in particle-bound form by the baghouse.
8. Production at the plant is often evaluated in terms of steam flow. Steam flow was typically in the range of 32 to 35 tonnes/hour per boiler, with recorded readings ranging between 30.8 and 35.8 tonnes/hour. This is within range of the nominal steam generation rate 72 tonnes/hour of steam listed in the ECA. The production was similar to levels observed during other stack testing campaigns at this plant. Similar production also makes the comparison between different stack tests possible.
9. Carbon and lime dosage were generally consistent with the previous testing campaigns. Carbon doses averaged ~5 to 6 kg/hour. The lime feed rate generally ranged between 170 and 180 kg/hour. In two instances the lime feed rate briefly jumped to between 209 and 214 kg/hr but dropped back to normal levels within minutes. In one instance the increase in lime was triggered by an increase in sulphur dioxide, which returned to normal levels within minutes. As noted by Covanta personnel, the lime control and wetting mixer systems are set up to respond to certain setpoints and criteria to ensure the outlet emissions are well below permit limits. The acquired 1-minute data for HCl concentrations demonstrate levels well below the permit limits, indicating that the lime control and wetting mixer systems are operating effectively.
10. Airflow remained stable throughout the stack tests. Airflow for Unit 1 generally ranged between 87,000 to 95,000 m³/hour, and Unit 2 ranged between 90,000 and 100,000 m³/hour.

2.2 Observations of the Stack Testing Operations

Observations of the stack testing procedures were undertaken during the SVOC sampling part of the program. On the first day of the field observations, the operations of the final Total Suspended Particulate/metals train on Boiler 2 was also audited. The field observations are provided in a series of tables in **Appendix A**.

1. Where possible, leak checks were observed at both the start, traverse change, and at the conclusion of all SVOC tests conducted. When the leak checks were successful, the tests could be regarded as valid. Leak checks were always performed in a systematic and non-rushed manner to ensure good quality control.
2. Previous aberrations in the stack velocity measurements were reduced by using metal plates and rubber sealer plates to reduce and virtually eliminate these problems. This set-up was similar to that conducted in the last stack testing exercise (Spring 2022).
3. Impinger/XAD temperatures were checked repeatedly at each sampling train. Ortech supplied plenty of ice to the crews. The temperatures were maintained in the range of 7.5°C to 9.5°C (45°F to 49°F). Maintaining low XAD temperatures improves adsorption of dioxins/furans on the sampling media. This was an important parameter to monitor since some instances of sub-optimal field spike recovery were noted during the previous sampling event. The temperatures during the most recent monitoring event were maintained at reasonably low levels and were deemed acceptable.
4. The audit team also recorded dry gas meter corrections and pitot factors for comparison with the final report. All equipment and stack parameters recorded in the field were verified in the final report. The only parameters which changed between the field and the final report were small changes in the moisture levels in the stack(s). The initial moisture used in the field is only an estimate of the actual values. Once the test has been completed, the actual moisture is derived and used in the calculation spreadsheets. In all cases, the actual moistures calculated were very similar to the initial estimates. It is necessary to have initial moisture estimates within the range of several percent of actual values to achieve isokinetic sampling conditions. Small variations in moisture are typically expected in this type of testing.
5. All trains operating at the baghouse outlet locations were inserted and withdrawn from the stack while the sampling train was running. Given the high negative pressure at these locations, it was important to ensure that the filter was not displaced prior to sampling beginning. It also limits loss of any sample from the train.
6. No review of the sample recovery procedures conducted by Ortech staff were performed due to COVID-19 protocols being in effect.

Based on audit staff observations, it was confirmed that Ortech staff followed all appropriate sampling and recovery procedures as noted by the sampling methods (EPS 1/RM/2 and US EPA Method 23).

3.0 Report Review

The Region provided Ortech's draft report (the "Report") to Ausenco on February 21st, 2023. Ausenco and AES provided a memorandum, via email, to the Region dated March 9th, 2023, which provided an initial review of the draft report. The following sections include and expand upon that initial review and include an opinion regarding the sufficiency and accuracy of the submitted analyses.

3.1 Review of Source Testing Protocols

AES has conducted a thorough review of the draft source testing report and has found no discrepancies between the methods described in the report compared to the observations made during testing. AES is satisfied that all sampling protocols were followed according to appropriate methodologies. Consequently, AES has no concerns over the validity of collected samples, prior to shipment to the laboratory for analysis.

The following suggestions are re-iterated from Ausenco's review of the 2022 Voluntary Source Testing for the inclusion of relevant detail in reporting towards a high level of confidence in the reported data.

1. Methods for incorporation of the SVOC field spikes should be described in the methods section. Per Section 6.5.4, Ortech note that extraction standards are further added at ALS.
2. Per Section 4.4. of the Report, the SVOC sampling train includes "a clean and proven glass fibre filter" upstream from the XAD-2 column trap. It is implied, but not explicitly stated in Section 5 (Sample Recovery and Analysis), that the glass fibre filter is extracted in the analytical laboratory, and the extract combined with the XAD-2 trap extract, as well as rinsate from the front half of the sampling train up to the trap. An explicit description (annotated list) of the various rinsings and extractions that were combined prior to SVOC analysis would be helpful.

3.2 Review of Analytical Reporting

Ausenco has conducted a thorough review of the draft source testing report. As per the contract with the Region, focus was given to SVOCs. Based on this review, Ausenco provides the following comments:

1. As per the contract with the Region, the processing, handling, and analysis of laboratory samples were not audited as part of this peer review. Therefore, no statement of efficacy is provided regarding the processing, handling, and analysis of laboratory samples.
2. It is noted that both Ortech and ALS methods for collecting and analyzing SVOCs deviate slightly from reference methods. However, the potential biases and complications from these deviations have been discussed in previous source testing reviews and, therefore, are not discussed further here.
3. Dioxins and Furans
 - a) The recoveries of Field Spike Standards of all D/F samples were within the acceptable range of recoveries provided in Environment Canada Reference Method EPS 1/RM/2 (70% – 130%).
 - b) For the most part, the Extraction Standards for D/F are within the acceptable range of recoveries provided in Environment Canada Reference Method EPS 1/RM/2, which is either 40% – 130% or 25 – 130%, depending on the specific D/F. However, a few samples had Extraction Standard recoveries of some isomers outside the acceptable range, including Tests #3 on APC Outlet #1 and Tests #1 & #2 on APC Outlet #2. As a result of the low extraction recoveries, the error associated with the determined concentrations

may be larger than the standard error associated with the method. However, based on modelling results the D/F plus coplanar PCB TEQ values are 500x below the corresponding standards. Therefore, a correction factor for the decreased recoveries would still indicate D/F levels well below the standard. While the reduced recoveries may result in increased error in the determined concentrations, there is currently no concern that the error may lead to values that would have approached or exceeded the relevant in-stack or ambient standards.

- c) The recoveries of Cleanup Standards of all but one of the D/F samples were within the acceptable range of recoveries provided in Environment Canada Reference Method EPS 1/RM/2 (40% – 130%). Blank #1, at 20% recovery, was the only sample to have a recovery outside the method requirement.
- d) D/F samples were not blank corrected based on the blank sampling train and laboratory blank results. Ortech (February 2023: p. 45), however, noted that “The amounts of dioxin and furan congeners detected in the blank sampling trains and in the laboratory blank were significant when compared to the amounts detected in the test train”. Use of D/F congener concentration data that has not been blank corrected is an acceptable methodology, and consistently results in a concentration estimate that is higher than the true concentration within the samples.
- e) Ausenco has conducted a review of the D/F congener group emission rate calculations (ng/s). Starting with the reported laboratory data, Ausenco was able to trace and confirm the calculations presented by Ortech provided in Section 7.9.1 (Page 45).
- f) Ausenco has conducted a review of the D/F and dioxin-like PCB toxic equivalents (TEQ’s) emission rate calculations (ng TEQ/s). Starting with the reported laboratory data, Ausenco was able to trace and confirm the calculations presented by Ortech provided in Section 7.9.1 (Page 46).
- g) A review of the in-stack D/F dry adjusted TEQ concentration was conducted. Ausenco was able to trace and confirm the in-stack TEQ concentration calculations presented by Ortech (see Section 7.9.1, Page 47) and confirm that the D/F TEQ concentrations are below the maximum in-stack limit of 60 pgTEQ/Rm³.

4. PCBs

- a) The PCB samples for APC Outlet #1 experienced low Field Spike Standard recoveries (63 – 67%). This is outside the accepted window of 70 – 130% and indicates a potential low bias on the samples. PCB sample concentrations were not corrected for this low bias. While, as a conservative measure, concentrations could have been corrected, the toxicity of the majority of PCB congeners compared to D/F, and especially 2,3,7,8-TCDD, is low and PCBs do not add significantly to the overall toxicity of the persistent organochlorines based on dioxin-like toxicological interactions. In addition, the total estimated (D/F plus coplanar PCB) TEQs were more than 15-fold lower than the prescribed amended ECA in-stack limit, while any increase in the reported TEQs through recovery correction of the PCB congeners would have resulted in only very minor increases in the reported TEQ values. Consequently, while the reduced recoveries may result in increased error in the determined concentrations, there is currently no concern that the error may lead to values over and above relevant ambient standards.
- b) The recoveries of the Extraction Standards for PCBs are within the acceptable range of recoveries provided in US EPA Method 1668C, which is 10% – 145%.
- c) PCB samples were not blank corrected based on the blank sampling train and laboratory blank results. This is an acceptable methodology and will provide an over-estimate the true concentrations within the samples.

5. Chlorobenzenes

- a) Monochlorobenzene was not quantified as part of the SVOC train due to the recovery loss of chlorobenzene-¹³C6 extraction standard. In communication with Ortech, ALS clarified that the SVOC method being followed is not recommended for a compound as volatile as monochlorobenzene. However, as noted by Ortech, historically this chemical has been detected using the SVOC sampling train, and in relatively significant concentrations. Therefore, we recommend that ALS review the analytical method and laboratory notes from this specific analysis, and in particular the recovery step for chlorobenzene-¹³C6, to determine if any efficiencies can be carried forward to future testing to ensure the recovery and analysis of monochlorobenzene.
- b) A review of the 2022 Voluntary Compliance Testing data, from May 2022, indicates that the chlorobenzene concentrations were consistent between the May and December tests. The review also indicates that SVOC derived monochlorobenzene concentrations are higher than those found in the VOST analyses for VOCs. Consequently, use of the VOST analysis for monochlorobenzene is likely underestimating the monochlorobenzene stack concentration. However, given that the modelled concentration for monochlorobenzene is seven orders of magnitude below the corresponding guidelines, use of the (likely) higher SVOC derived concentration is not anticipated to create a compliance issue for monochlorobenzene.
- c) Chlorobenzene samples were not blank corrected based on the blank sampling train and laboratory blank results. This is an acceptable methodology and will provide an over-estimate of the true concentrations within the samples.
- d) Ausenco has conducted a review of the chlorobenzene emission rate calculations ($\mu\text{g/s}$). Starting with the reported laboratory data, Ausenco was able to trace and confirm the calculations presented by Ortech provided in Section 7.9.2 (Page 48). (Note: results presented here exclude monochlorobenzene determined via VOST test samples.)

6. Chlorophenols

- a) The CP samples for Tests #2 and #3 on APC Outlet #2 experienced low Field Spike Standard recoveries (14 – 48%). This is outside the accepted window of 20 – 150% and indicates a potential low bias on the samples. CP sample concentrations were not corrected for this low bias; however, all CP Test sample concentrations were found to be below the detection limit. Therefore, correction for this bias would not have been statistically meaningful. While the reduced recoveries may result in increased error in the determined concentrations, there is currently no concern that the error may lead to values over and above relevant ambient standards.
- b) Given that CPs in all samples were found to be below detection limit, emission rates for each compound were estimated based on the assumption that each analyte was at a concentration equal to the detection limit. This is an accepted methodology and provides a worst-case assumption to determine potential impacts.
- c) Ausenco has conducted a review of the chlorophenol emission rate calculations ($\mu\text{g/s}$). Starting with the reported laboratory data, Ausenco was able to trace and confirm the calculations presented by Ortech provided in Section 7.9.2 (Page 48).

7. Polycyclic Aromatic Hydrocarbons

- a) The recoveries of Field Spike Standards of Fluorene D10 were outside the acceptable range of recoveries provided in CARB method 429 (50% – 150%) for Test #1 APC Outlet #1 (161.5%) and Test #2 APC Outlet #2 (184.5%). All other Field Spike Standard recoveries were within acceptable ranges. This implies a potentially high bias on the samples; however, the samples are not corrected for this bias, which provides a conservative estimate of PAH emissions.

- b) The recoveries of the Extraction Standards for PAHs are within the acceptable range of recoveries provided in CARB method 429, which is 50% – 150%.
- c) PAH samples were not blank corrected based on the blank sampling train and laboratory blank results. This is an acceptable methodology and will provide an estimate of worst-case concentrations within the samples.
- d) Ausenco has conducted a review of the PAH emission rate calculations ($\mu\text{g/s}$). Starting with the reported laboratory data, Ausenco was able to trace and confirm the calculations presented by Ortech provided in Section 7.9.3 (Page 49).

3.3 Review of Dispersion Modelling

To complete the review of the modelling conducted as part of the source testing, the Region provided the most recent "Air Dispersion Modelling Plan" prepared by Golder, dated July 2020 (the "ADMP"). This report was prepared to outline the proposed dispersion modelling approach for the DYEC for future ECA amendment applications. This plan report was used for comparison to the source testing modelling, which was completed by WSP. The Region provided Ausenco with all relevant modelling files (e.g., input files, output files, etc.) for review.

Based on this review, Ausenco provides the following comments:

1. Ausenco confirmed that the CALPUFF and CALPOST version numbers and level numbers used in the model (as indicated in the corresponding input file) matches those provided in Appendix 27 of Ortech's draft report.
2. Ausenco confirmed that the CALPUFF options outlined in Table 2 of Appendix 27 matches Table B1 of the ADMP.
3. Ausenco also confirmed that for modelling years 2015 and 2017 all CALPUFF options and flags within the supplied input files matched Table B1 of the ADMP. The 2017 year was chosen for review as it provided the highest 1-hr, 24-hr, and annual Point of Impingement (POI) values.
4. Ausenco confirmed the source parameters provided in Table 3 of Appendix 27 relative to the source testing results, except for the stack exit velocity. WSP should review the calculation for stack exit velocity and confirm the correct value.
5. For the 2015 and 2017 years, Ausenco confirmed that the CALPUFF input file contained one (1) point source with stack height, and diameter corresponding to the values in Table 3 of Appendix 27. The input file also utilized a unit emission rate (i.e., 1 g/s). However, the stack exit velocity and exit temperature of the point source do not match those listed in Table 3 of Appendix 27. While the stack exit velocity and exit temperature used in the model does not match the value in Table 3, it does appear to match our calculations for stack exit velocity and exit temperature. WSP should review the calculations for stack exit velocity and exit temperature to confirm the correct values for the dispersion modelling.
6. As a worst-case scenario, Ausenco reviewed the Dispersion Factors (without meteorological anomaly removed) provided in Table 4 of Appendix 27 to confirm that they matched the maximum value provided in the CALPOST output files for all five years modelled. A number of discrepancies were found and are outlined in the table below. WSP should review the model outputs and update the table and modelling results as needed.

| Averaging Period | 10-min | ½-hr | 1-hr | 24-hr | 30-day | Annual |
|--|--------|-------|-------|-------|--------|--------|
| WSP Dispersion Factor without meteorological anomaly removal [$\mu\text{g}/\text{m}^3$ per g/s] | 47.65 | 34.65 | 28.88 | 1.23 | 0.17 | 0.06 |
| Output File Dispersion Factor without meteorological anomaly removal [$\mu\text{g}/\text{m}^3$ per g/s] | 55.47 | 40.78 | 33.59 | 1.42 | 0.16 | 0.05 |

7. To review the Emission Summary Table provided (Appendix B of Appendix 27), a small number of critical chemicals were chosen to ensure that emission rates were multiplied by the Dispersion Factor shown in Table 4. In all cases, POI values were appropriately estimated for the corresponding averaging time. The list of substances reviewed were:
 - a. Benzo(a)pyrene
 - b. Chlorobenzene
 - c. Dioxins, Furans, and Dioxin-like PCBs
 - d. Nitrogen Oxides
8. The D/F emission rate used to estimate POI values appears to be using D/F concentrations estimated using the full detection limit approach. However, Section 7.9.1 of the report indicates that the half detection method limit approach was used for modelling. Given that the use of assumed concentrations at the detection limit would provide a conservative assessment of facility impact, we have no concern over this apparent discrepancy. Furthermore, the POI value for Dioxins, Furans, and Dioxin-like PCBs is well below the standard.

Based on the above review, we recommend that WSP review our comments and revise the modelling and reporting as needed.

However, despite the discrepancies found above, the POI values presented in Appendix B of Appendix 27 of the draft report are well below all applicable standards and guidelines. The revisions requested above are not likely to change the compliance status of the facility. Consequently, revision of the dispersion modelling is recommended only for completeness, and not out of concern for the facility's compliance status.

4.0 Conclusions

In conclusion, the review of the draft Source Testing Report, combined with our on-site observations, has not revealed any major concerns with regard to the conduct of the source testing, the analytical analysis, or the analytical calculations. Therefore, at this time, there are no concerns about the validity of the source testing data reported by Ortech especially with regard to comparisons to the relevant in-stack limits.

With regard to monochlorobenzene recoveries, Ausenco has been informed that Ortech has engaged discussions with ALS about alternate analytical methods to recover monochlorobenzene. We recommend these discussions continue, and any alterations to the method for the 2023 source testing be clearly outlined in Ortech's report, including the potential implications on the analytical results for other SVOCs.

Ausenco has confirmed that WSP conducted the modelling in accordance with the facility's ECA (Condition 6.1 and Schedule B), as well as O. Reg. 419/05. However, some minor discrepancies were found between the model input files and the source testing data. We recommend that WSP review our comments and revise the modelling as needed. These revisions, however, are not expected to change the compliance status of the facility, as the facility's POI values are well below the specified MECP standards, based on the provided analysis.

5.0 Closure

We have appreciated the opportunity of working with you on this project and trust that this report is satisfactory to your requirements. Please feel free to contact the undersigned regarding any questions or further information that you may require.

Report prepared by:
Ausenco Sustainability Inc.

Report prepared by:
Adomait Environmental Solutions Inc.

ORIGINAL SIGNED

ORIGINAL SIGNED

Lucas Neil, PhD
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Appendix A

AES Field Notes

| | Semi-Volatiles-1 | | Semi-Volatiles-1 | | Metal/Particulate-3 | |
|--------------------------|------------------|--------------|------------------|------------|---------------------|-----------|
| Date | December 1-22 | | December 1-22 | | December 1-22 | |
| Observation | Boiler #1 | | Boiler #2 | | Boiler #2 | |
| Nozzle Size/Type | 0.2521 Glass | | 0.2510 Glass | | 0.2498 Glass | |
| Meter Cal/ID | 1.010/June 7-22 | | 0.973/June 7-22 | | 1.017/June 3-22 | |
| Pitot cal | 0.853 | | 0.847 | | 0.847 | |
| Calc Moisture | -% | | -% | | -% | |
| Static | -10.7" | | -12.5" | | -12.5" | |
| Pitot Leak Check | Yes good | | Yes Good | | - | |
| | | | | | | |
| Pre-traverse Leak Check | 0.005 @15" | | 0.002 @15" | | 0.003@15" | |
| SVOC Test Start Time | 8:32 | | 8:39 | | 8:26 | |
| Running On Insertion | Yes | | Yes | | Yes | |
| Stack Temperature °F | 284 | | 284 | | 284 | |
| Trap Temperature °F | 46,44,45 | | 42,44,41 | | - | |
| Running on removal | Yes | | Yes | | Yes | |
| Traverse Completed | 10:32 | | 10:39 | | 9:56 | |
| Post-traverse Leak Check | 0.002 @15" | | 0.015@15" | | 0.004@15" | |
| Pre-traverse Leak Check | | 0.008 @14" | | 0.012 @15" | | 0.003@15" |
| SVOC Traverse Start Time | | 10:43 ;47 | | 11:03 | | 10:52 |
| Trap Temperature °F | | 47,44 | | 40,40 | | - |
| Traverse Completed | | 12:43 | | 13:03 | | 12:22 |
| Final Leak Check | | 0.002@15" | | 0.018 @15" | | 0.005@15" |
| Running on Removal | | Yes | | Yes | | Yes |

| | Semi-Volatiles-2 | | Semi-Volatiles-2 | |
|--------------------------|------------------|------------|------------------|------------|
| Date | December 1-22 | | December 1-22 | |
| Observation | Boiler #1 | | Boiler #2 | |
| Nozzle Size/Type | 0.2521 Glass | | 0.2510 Glass | |
| Meter Cal/ID | 1.010/June 7-22 | | 0.973/June 7-22 | |
| Pitot cal | 0.853 | | 0.847 | |
| Calc Moisture | -% | | -% | |
| Static | -10.7" | | -12.5" | |
| Pitot Leak Check | Yes good | | Yes Good | |
| | | | | |
| Pre-traverse Leak Check | 0.002 @20" | | 0.011 @15" | |
| SVOC Test Start Time | 13:40 | | 13:49 | |
| Running On Insertion | Yes | | Yes | |
| Trap temperature °F | 41,44 | | 44,45 | |
| Traverse Completed | 15:40 | | 15:49 | |
| Post-traverse Leak Check | 0.002 @15" | | 0.008@15" | |
| Running on Removal | Yes | | Yes | |
| Pre-traverse Leak Check | | 0.004 @15" | | 0.005 @15" |
| SVOC Traverse Start Time | | 15:48 | | 16:02 |
| Trap Temperature °F | | 40,41,41 | | 47,48,47 |
| Traverse Completed | | 17:48 | | 18:02 |
| Final Leak Check | | 0.003 @15" | | 0.014 @15" |
| Running on Removal | | Yes | | Yes |

| | Semi-Volatiles-3 | | Semi-Volatiles-3 | |
|--------------------------|------------------|--|------------------|--|
| Date | December 2-22 | | December 2-22 | |
| Observation | Boiler #1 | | Boiler #2 | |
| Nozzle Size/Type | 0.2521 Glass | | 0.2510 Glass | |
| Meter Cal/ID | 1.017/ June 3-22 | | 0.973/June 7-22 | |
| Pitot cal | 0.853 | | 0.847 | |
| Calc Moisture | 16% | | 16% | |
| Static | -10.3" | | -11.3" | |
| Pitot Leak Check | Yes good | | Yes Good | |
| | | | | |
| Pre-traverse Leak Check | 0.002 @15" | | 0.010 @15" | |
| SVOC Test Start Time | 9:34 | | 8:26 | |
| Running On Insertion | Yes | | Yes | |
| Trap temperature °F | 46,48 | | 49,49 | |
| Traverse Completed | 11:34 | | 10:26 | |
| Post-traverse Leak Check | 0.002@15" | | 0.004@15" | |
| Running on Removal | Yes | | Yes | |
| Pre-traverse Leak Check | 0.002@15" | | 0.007 @15" | |
| SVOC Traverse Start Time | 11:40 | | 10:36 | |
| Trap Temperature °F | 49,45 | | 47,48,47 | |
| Traverse Completed | 13:40 | | 12:36 | |
| Final Leak Check | 0.001@15" | | 0.011 @15" | |
| Running on Removal | Yes | | Yes | |



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Technical Memorandum

To: Andrew Evans, PEng Region of Durham

Cc: Gioseph Anello, PEng (Region of Durham)
Lyndsay Waller, (Region of Durham)

Laura McDowell, PEng (Region of York)
Muneeb Farid, PEng (Region of York)

Annette Scotto, Kirk Dunbar, Alan Cremen, John Clark (HDR)

From: Bruce Howie, PE

Date: March 30, 2023

Re: **Durham York Energy Centre: Fall 2022 Mandatory Source Test**
HDR Observations During Testing and Summary of Results

Introduction

During the period from November 29th through December 2nd 2022, ORTECH Consulting, Inc. (ORTECH) conducted the Mandatory Source Test at the Durham York Energy Center (DYEC) for the Regions of Durham and York. This mandatory testing is required by the DYEC's Amended Environmental Compliance Approval (ECA) No. 7306-8FDKNX and has been performed annually since 2015. Testing was performed in accordance with the reference methods required under Section 7(1) of the ECA, originally issued by the Ontario Ministry of Environment, Conservation and Parks (MECP) on June 29th, 2011. HDR personnel were on-site to observe DYEC operations and procedures during the testing on November 30th to December 2nd. The purpose of this technical memorandum is to summarize the observations made by HDR personnel during the testing as well as to summarize our review of the results for the Source Testing based on the information provided in the ORTECH Test Report, dated March 1st, 2023.

HDR Observations during the Compliance Source Test

The tentative testing schedule for the November/December 2022 Mandatory Source Test is included in Attachment A to this Technical Memorandum. Also included in Attachment A is a summary of the testing observed by HDR. HDR's role on-site was to observe Covanta's operations of the DYEC during test sampling and to observe ORTECH's sampling procedures and activities. HDR personnel were on-site during the air emission testing on November 30th to December 2nd, to observe the source test sampling activities with particular focus on the dioxins/furans tests for both Units 1 and 2. HDR observed the

operations of the boiler and air pollution control system to verify the DYEC was being operated under normal operating conditions during the test periods. The following is a summary of the key events and observations made by HDR during the sampling days that we were at the DYEC. Attachment A shows the start and stop times of each test.

Day 1: November 29th, 2022

Stack testing commenced at 8:48 on the morning of November 29th and was completed at 20:03. Tests for Unit 1 were completed as scheduled and included the completion of Run 3 of a particulate/metals test that was originally scheduled to be completed on Day 2 of testing. The Unit 2, Run 1 particulate/metal test was moved to Day 2 of testing on 11/30 due to a pause in testing caused by a feed table bridge that resulted in a sudden drop in steam flow. The feed stop temporarily delayed the completion of the PM10/PM2.5/Condensables Run 2 test until steam flow could be returned to steady state conditions. The table below includes the start and stop times of the 11/29 test runs.

| Unit | Test | Run 1 | | Run 2 | | Run 3 | |
|--------|--------------------|-------|-------|-------|--------|-------|-------|
| | | Start | Stop | Start | Stop | Start | Stop |
| Unit 1 | Particulate/Metals | 8:49 | 11:59 | 12:49 | 15:57 | 16:55 | 20:03 |
| Unit 1 | Acid Gases | 8:54 | 9:54 | 10:40 | 11:40 | 12:52 | 13:52 |
| Unit 2 | PM10, PM2.5 Cond | 8:48 | 10:51 | 12:01 | 15:15* | 16:06 | 18:08 |

*Paused due to steam drop. This was noted to be due to a feed jam.

- Start and stop times for THC, VOC, and aldehydes are not recorded by HDR/Covanta because sample runs happen in succession.

Day 2: November 30th, 2022

Stack testing commenced at 8:39 on the morning of November 30th and was completed at 16:56. All three PM10/PM2.5/Condensables tests for Unit 1 were completed as scheduled. The Unit 2, Run 3 for Particulate/Metals was pushed to Day 3 on 12/1 due to a power trip on Ortech's equipment that delayed testing during Run 2. The table below includes the start and stop times of the 11/30 test runs.

| Unit | Test | Run 1 | | Run 2 | | Run 3 | |
|--------|--------------------|-------|-------|-------|--------|-------|-------|
| | | Start | Stop | Start | Stop | Start | Stop |
| Unit 1 | PM10, PM2.5 Cond | 8:52 | 10:57 | 11:55 | 13:57 | 14:54 | 16:56 |
| Unit 2 | Particulate/Metals | 8:39 | 11:51 | 12:29 | 15:36 | | |
| Unit 2 | Acid Gases | 8:40 | 9:40 | 10:26 | *12:03 | 12:29 | 13:29 |

*Paused due to power trip on measuring equipment operated by Ortech.

HDR also observed one of the leak tests on Unit 2 at 15:39 during the end of Particulate/Metals Run 2. All other leak tests performed by Ortech during Day 2 were reported to have passed successfully.

The table below lists the key operating parameters (data collected at 12:00) that were observed by HDR during Day 2 of testing. All parameters observed appeared to be in normal operating range.

| Parameter | Normal Range | Unit 1 | Unit 2 |
|-------------------------------------|---------------|--------|--------|
| Steam Load (kg/hr) | 32,000-35,000 | 32,827 | 33,531 |
| Ammonia (kg/hr) | 25-80 | 33 | 39 |
| Carbon (kg/hr) (collected at 16:30) | 4.5-5.5 | 5.7 | 4.9 |
| Steam Outlet Temp (degree C) | 495-502 | 502 | 500 |
| Steam Pressure (bar) | 86-90 | 89.9 | 90.1 |
| Combustion Temps (degree C) | >1,000 | 1,118 | 1,307 |
| Baghouse dp (mBar) | 10-20 | 18.5 | 16.6 |

Day 3: December 1st, 2022

Stack testing commenced at 8:32 and was completed at 18:02. Tests for both Units were completed as scheduled and an additional particulate/metals test was performed on Unit 2. All tests were completed with no need for pauses. The table below includes the start and stop times of the 12/1 test runs.

| Unit | Test | Run 1 | | Run 2 | | Run 3 | |
|--------|--------------------|-------|-------|-------|-------|-------|-------|
| | | Start | Stop | Start | Stop | Start | Stop |
| Unit 1 | Dioxin/Furan | 8:32 | 12:43 | 13:39 | 17:48 | - | - |
| Unit 2 | Particulate/Metals | - | - | - | - | 8:26 | 12:22 |
| Unit 2 | Dioxin/Furan | 8:38 | 13:04 | 13:49 | 18:02 | - | - |

- Start and stop times for THC, VOC, and aldehydes are not recorded by HDR/Covanta because sample runs happen in succession.

HDR observed three leak tests on Unit 1 at 12:45 during the end of Dioxin/Furan Run 1 and Run 2 between 15:42 and 15:48. All other leak tests performed by Ortech during Day 3 were reported to have passed successfully.

The table below lists the key operating parameters (data collected at 12:00) that were observed by HDR during Day 3 of testing. All parameters observed appeared to be in normal operating range.

| Parameter | Normal Range | Unit 1 | Unit 2 |
|------------------------------|---------------|--------|--------|
| Steam Load (kg/hr) | 32,000-35,000 | 34,673 | 34,447 |
| Ammonia (kg/hr) | 25-80 | 48 | 56 |
| Carbon (kg/hr) | 4.5-5.5 | 4.9 | 5.2 |
| Steam Outlet Temp (degree C) | 495-502 | 507 | 500 |
| Steam Pressure (bar) | 86-90 | 90.0 | 90.2 |
| Combustion Temps (degree C) | >1,000 | 1,195 | 1,260 |
| Baghouse dp (mBar) | 10-20 | 18.7 | 17.9 |

Day 4: December 2nd, 2022

Stack testing commenced at 8:26 and was completed at 13:41. Tests for both Units were completed as scheduled. Testing on Unit 1 was delayed due to refractory that fell and needed to be cleaned out before the testing began. The table below includes the start and stop times of the 12/2 test runs.

| Unit | Test | Run 1 | | Run 2 | | Run 3 | |
|--------|--------------|-------|------|-------|------|-------|-------|
| | | Start | Stop | Start | Stop | Start | Stop |
| Unit 1 | Dioxin/Furan | - | - | - | - | 9:34 | 13:41 |
| Unit 2 | Dioxin/Furan | - | - | - | - | 8:26 | 12:36 |

HDR observed two leak tests on Unit 2 between 10:27 and 10:37 during Run 3 of the Dioxin/Furan tests, and then between 11:35-11:41 during Run 3 of the Unit 1 Dioxin/Furan test. All other leak tests performed by Ortech during Day 4 were reported to have passed successfully.

The table below lists the key operating parameters (data collected at 12:00) that were observed by HDR during Day 4 of testing. All parameters observed appeared to be in normal operating range.

| Parameter | Normal Range | Unit 1 | Unit 2 |
|------------------------------|---------------|--------|--------|
| Steam Load (kg/hr) | 32,000-35,000 | 33,046 | 34,012 |
| Ammonia (kg/hr) | 25-80 | 36 | 22 |
| Carbon (kg/hr) | 4.5-5.5 | 5.1 | 5.0 |
| Steam Outlet Temp (degree C) | 495-502 | 496 | 486 |
| Steam Pressure (bar) | 86-90 | 89.9 | 90.1 |
| Combustion Temps (degree C) | >1,000 | 1,179 | 1,334 |
| Baghouse dp (mBar) | 10-20 | 19.9 | 16.9 |

HDR noted that Covanta's Rick Koehler was on-site throughout the testing period to assist in the coordination and to observe the Compliance Source Testing.

Based on HDR's observations during the Mandatory Source Test, ORTECH appeared to be conducting the testing in accordance with the applicable standards and procedures. ORTECH was careful during each port change to ensure that the probe was not scraped inside the port during insertion and removal of the probe. In addition, sampling equipment was assembled properly, the ice used in the sample box was replenished in a timely manner, and all required leak checks were conducted. After each completed test, the sampling trains were transported to a trailer located outside the boiler building for recovery and clean up to avoid potential contamination at the test location. It should be noted that the actual clock times associated with each run are slightly longer than the run lengths indicated in the test plan. This difference is due to the time it took ORTECH to

pull the probe out of the first port, leak check the sampling equipment, and insert the probe into the second port. This is typical of stack sampling practices.

Attachment B provides a summary of the DYEC operating data recorded by Covanta's distributive control system (or DCS) during the dioxin/furan tests. As previously noted, HDR did not observe any deviations from the approved test protocol or applicable stack test procedures and based on the operational data and HDR's observations, the boilers and APC equipment were operated under normal conditions during the testing.

Summary of Results

The results of the testing program, based on ORTECH's March 1st, 2023 report, are summarized in Table 1 and Figures 1 and 2. As shown, emissions of all pollutants are corrected to 11% oxygen and were below the ECA's Schedule "C" limits. As a part of HDR's review of the ORTECH report, we completed a review of the data presented and calculations. There were no errors in calculations found during this review.

Table 1 – Summary of November/December 2022 Mandatory Source Test Results

| Parameter | Units | ECA Limit | Unit 1 | | Unit 2 | |
|--|------------------------|-----------|--------|------------|--------|------------|
| | | | Result | % of Limit | Result | % of Limit |
| Particulate Matter (PM) ⁽¹⁾ | mg/Rm ³ | 9 | 0.27 | 3.0% | 0.20 | 2.2% |
| Mercury (Hg) ⁽¹⁾ | µg/Rm ³ | 15 | 0.093 | 0.6% | 0.088 | 0.6% |
| Cadmium (Cd) ⁽¹⁾ | µg/Rm ³ | 7 | 0.063 | 0.9% | 0.028 | 0.4% |
| Lead (Pb) ⁽¹⁾ | µg/Rm ³ | 50 | 0.23 | 0.5% | 0.15 | 0.3% |
| Hydrochloric Acid (HCl) ⁽²⁾⁽³⁾ | mg/Rm ³ | 9 | 0.4 | 4.4% | 3.8 | 42.2% |
| Sulphur Dioxide (SO ₂) ⁽²⁾⁽³⁾ | mg/Rm ³ | 35 | 0.5 | 1.4% | 0.6 | 1.7% |
| Nitrogen Oxides (NO _x) ⁽²⁾⁽³⁾ | mg/Rm ³ | 121 | 112 | 92.6% | 111 | 91.7% |
| Carbon Monoxide (CO) ⁽²⁾⁽⁴⁾ | mg/Rm ³ | 40 | 9.1 | 22.8% | 9.4 | 23.5% |
| Total Hydrocarbons (THC) ⁽⁵⁾ | ppm | 50 | 0.1 | 0.2% | 0.3 | 0.6% |
| Dioxin and Furans ⁽⁶⁾ | pg TEQ/Rm ³ | 60 | 3.68 | 6.1% | 3.91 | 6.5% |

(1) dry at 25°C and 1 atmosphere, adjusted to 11% oxygen by volume

(2) based on process data or CEM data provided by Covanta

(3) maximum calculated rolling arithmetic average of 24 hours of data measured by the DYEC CEMS, dry at 25°C and 1 atmosphere, adjusted to 11% oxygen by volume

(4) maximum calculated rolling arithmetic average of 4 hours of data measured by the DYEC CEMS, dry at 25°C and 1 atmosphere, adjusted to 11% oxygen by volume

(5) average of three one hour tests measured at an undiluted location, reported on a dry basis expressed as equivalent methane

(6) calculated using the NATO/CCMS (1989) toxicity equivalence factors and the full detection limit for those isomers below the analytical detection limit, dry at 25°C and 1 atmosphere, adjusted to 11% oxygen by volume

Figure 1 - DYEC Test Results as a Percent of ECA Limit

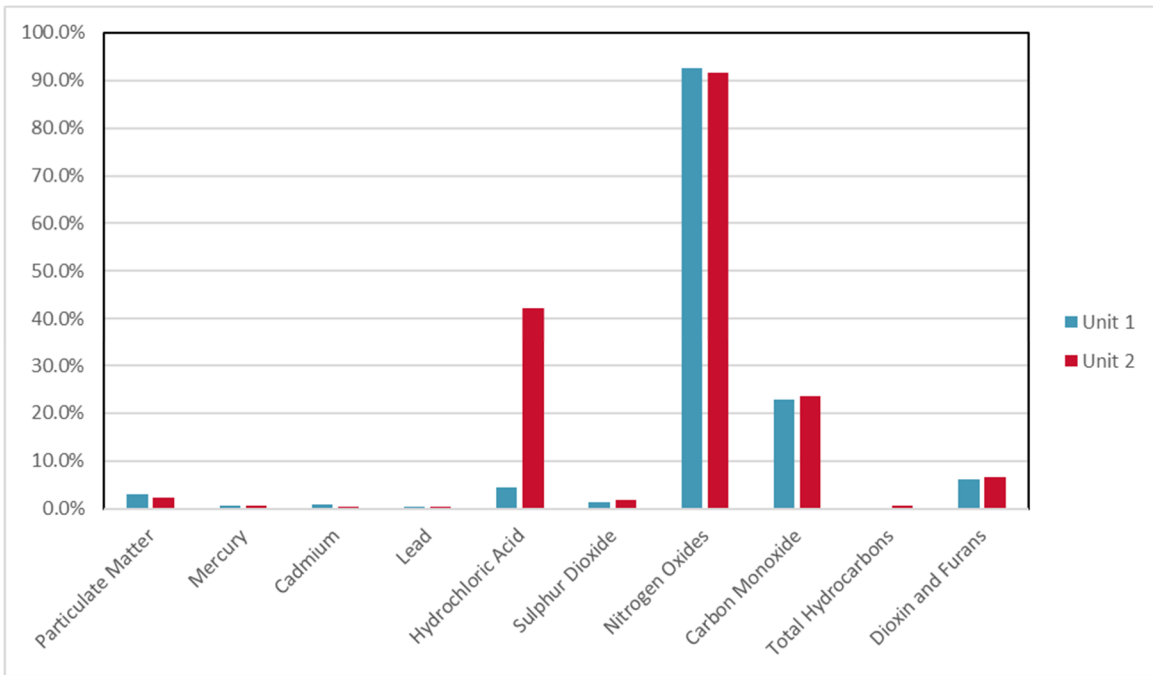
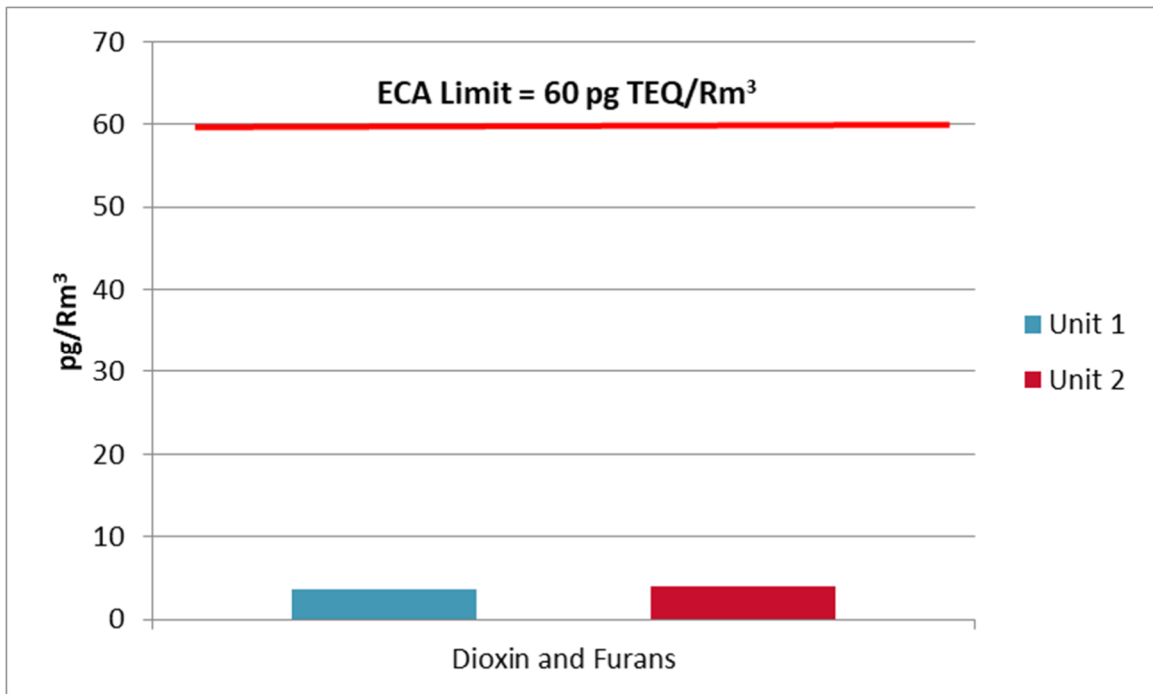


Figure 2 – Test Results for Dioxins and Furans



Conclusions and Recommendations

HDR completed the review of the preliminary results of the air emissions testing performed during the DYEC Fall 2022 Mandatory Test. Representatives from HDR were present at the DYEC to observe the sampling procedures and facility operations throughout the majority of the testing period that occurred between November 29th and December 2nd, 2022. HDR observed ORTECH following the approved stack sampling procedures and test methods. HDR also observed Covanta's plant personnel operating the DYEC under normal operating conditions and in accordance with acceptable industry operating standards. Based on the results summarized in ORTECH's final test report (dated March 1st, 2023), the air emission results of the Fall 2022 Mandatory Test demonstrated that the DYEC operated below the ECA's Schedule "C" limits.

Attachments:

Attachment A – Tentative Stack Test Schedule and Summary of Testing Observed by HDR

Attachment B – Summary of Operating Data during Dioxin/Furan Tests

Attachment A:
Tentative Stack Test Schedule
& Summary of Testing
Observed by HDR.

Attachment #3 to Report #2023-INFO-28

Covanta DYEC - Revised Test Schedule

| Day/Location | | Parameter | Method | # of Runs | Duration |
|-----------------------|---------------|---|-----------------------------|-----------|----------|
| Mon., Nov. 28 | #1 & #2 APC | Setup and Prelim. Particulate | Ontario M5 | 2 | 60 |
| Tues., Nov. 29 | #1 APC Outlet | Particulate/Metals | Ontario M5/EPA M29 | 2 | 180 |
| | | Hydrogen Fluoride | EPA M26A | 3 | 60 |
| | #2 APC Outlet | Particulate/Metals | Ontario M5/EPA M29 | 1 | 180 |
| | | PM ₁₀ , PM _{2.5} & Condensables | EPA Method 201A/202 | 3 | 120 |
| Wed., Nov. 30 | #1 APC Outlet | PM ₁₀ , PM _{2.5} & Condensables | EPA Method 201A/202 | 3 | 120 |
| | | Particulate/Metals | Ontario M5/EPA M29 | 1 | 180 |
| | #2 APC Outlet | Particulate/Metals | Ontario M5/EPA M29 | 2 | 180 |
| | | Hydrogen Fluoride | EPA M26A | 3 | 60 |
| Thurs., Dec. 1 | #1 APC Outlet | Dioxin/Furan | EPS 1/RM/2 | 2 | 240 |
| | | VOST | SW846-0030 | 3 | 40 |
| | | Aldehydes | NCASI Method ISS/FP-A105.01 | 3 | 60 |
| | #2 APC Outlet | Dioxin/Furan | EPS 1/RM/2 | 2 | 240 |
| | | VOST | SW846-0030 | 3 | 40 |
| | | Aldehydes | NCASI Method ISS/FP-A105.01 | 3 | 60 |
| Fri., Dec. 2 | #1 APC Outlet | Dioxin/Furan | EPS 1/RM/3 | 1 | 240 |
| | #2 APC Outlet | Dioxin/Furan | EPS 1/RM/2 | 1 | 240 |

Note: Saturday December 3rd is reserved as a contingency test day (or alternatively Monday December 5th).

Summary of Testing Program.

Day 1: Tuesday November 29th

| Unit | Test | Run 1 | | Run 2 | | Run 3 | |
|--------|--------------------|-------|-------|-------|--------|-------|-------|
| | | Start | Stop | Start | Stop | Start | Stop |
| Unit 1 | Particulate/Metals | 8:49 | 11:59 | 12:49 | 15:57 | 16:55 | 20:03 |
| Unit 1 | Acid Gases | 8:54 | 9:54 | 10:40 | 11:40 | 12:52 | 13:52 |
| Unit 2 | PM10, PM2.5 Cond | 8:48 | 10:51 | 12:01 | 15:15* | 16:06 | 18:08 |

Paused due to steam drop. This was noted to be due to a feed jam.

- Start and stop times for THC, VOC, and aldehydes are not recorded by HDR/Covanta because sample runs happen in succession.

Day 2: Wednesday November 30th

| Unit | Test | Run 1 | | Run 2 | | Run 3 | |
|--------|--------------------|-------|-------|-------|--------|-------|-------|
| | | Start | Stop | Start | Stop | Start | Stop |
| Unit 1 | PM10, PM2.5 Cond | 8:52 | 10:57 | 11:55 | 13:57 | 14:54 | 16:56 |
| Unit 2 | Particulate/Metals | 8:39 | 11:51 | 12:29 | 15:36 | | |
| Unit 2 | Acid Gases | 8:40 | 9:40 | 10:26 | *12:03 | 12:29 | 13:29 |

*Paused due to power trip on measuring equipment operated by Ortech.

Day 3: Thursday December 1st

| Unit | Test | Run 1 | | Run 2 | | Run 3 | |
|--------|--------------------|-------|-------|-------|-------|-------|-------|
| | | Start | Stop | Start | Stop | Start | Stop |
| Unit 1 | Dioxin/Furan | 8:32 | 12:43 | 13:39 | 17:48 | - | - |
| Unit 2 | Particulate/Metals | - | - | - | - | 8:26 | 12:22 |
| Unit 2 | Dioxin/Furan | 8:38 | 13:04 | 13:49 | 18:02 | - | - |

- Start and stop times for THC, VOC, and aldehydes are not recorded by HDR/Covanta because sample runs happen in succession.

Day 4: Friday December 2nd

| Unit | Test | Run 1 | | Run 2 | | Run 3 | |
|--------|--------------|-------|------|-------|------|-------|-------|
| | | Start | Stop | Start | Stop | Start | Stop |
| Unit 1 | Dioxin/Furan | - | - | - | - | 9:34 | 13:41 |
| Unit 2 | Dioxin/Furan | - | - | - | - | 8:26 | 12:36 |

Attachment B:
Summary of Operating Data
during the Dioxin/Furan Tests

Attachment #3 to Report #2023-INFO-28

| November/December 2022 Mandatory Dioxin Testing | | | | | | |
|---|----------|--------|--------|----------|--------|--------|
| Operations Data and Results | | | | | | |
| | Boiler 1 | | | Boiler 2 | | |
| | Run 1 | Run 2 | Run 3 | Run 1 | Run 2 | Run 3 |
| Operating Parameter | 1-Dec | 1-Dec | 2-Dec | 1-Dec | 1-Dec | 2-Dec |
| MSW Combusted (tonnes/day) | | | | | | |
| Steam (kg/hr) | 33,736 | 33,698 | 33,892 | 33,837 | 33,682 | 33,609 |
| Steam temp | 503 | 501 | 498 | 495 | 491 | 489 |
| | | | | | | |
| Primary Air Flow | 33,401 | 33,329 | 31,467 | 34,591 | 34,476 | 32,799 |
| Overfire Air Flow | 9,501 | 9,244 | 8,185 | 7,795 | 8,175 | 7,508 |
| Tertiary Air (Fresh LN Air) | 10,049 | 10,068 | 10,048 | 9,693 | 9,669 | 9,530 |
| Tertiary air temperature °C | 36.0 | 37.5 | 41.5 | 30.7 | 32.5 | 42.0 |
| Lime Injection (kg/day) | 174.5 | 174.5 | 174.2 | 175.7 | 174.6 | 174.7 |
| Ammonia Injection Rate (liters/m) | 0.9 | 0.8 | 0.8 | 0.8 | 0.7 | 0.6 |
| Carbon Injection (kg/hr) | 5.2 | 5.2 | 5.2 | 5.3 | 5.4 | 5.3 |
| Combustion air preheat temp | 110.0 | 117.7 | 109.9 | 103.7 | 100.0 | 120.0 |
| Average Combustion Zone Temp °C | 1,034 | 1,027 | 1,042 | 1,151 | 1,150 | 1,176 |
| Superheater #3 Flue gas inlet Temp °C | 538 | 540 | 536 | 539 | 538 | 532 |
| Economizer Inlet Temp °C | 321 | 322 | 319 | 345 | 345 | 343 |
| Economize Outlet Temp °C | 167 | 171 | 167 | 173 | 174 | 171 |
| Quench Outlet Temp °C | 151 | 151 | 151 | 150 | 150 | 148 |
| Reactor Outlet (BH Inlet) Temp °C | 142 | 142 | 142 | 143 | 144 | 142 |
| Baghouse Outlet Temp °C | 139 | 139 | 139 | 138 | 139 | 138 |
| Tertiary Air Header Pressure mbar | 60 | 60 | 60 | 60 | 60 | 60 |
| Tertiary Air Left mbar | 34 | 34 | 35 | 36 | 36 | 36 |
| Tertiary air Right mbar | 0 | 0 | 0 | 36 | 36 | 36 |
| Baghouse Differential Pressure mbar | 19 | 19 | 20 | 17 | 17 | 17 |
| Oxygen (%) - Boiler Outlet | 8.6 | 8.9 | 8.7 | 8.8 | 8.8 | 8.5 |
| Oxygen (%) - Baghouse Outlet | 9.1 | 9.5 | 8.6 | 9.4 | 9.2 | 9.4 |
| CO -Boiler Outlet - mg/Rm3 | 7.0 | 6.8 | 8.7 | 10.5 | 13.0 | 8.7 |
| CO - Baghouse Outlet - mg/Rm3 | 4.7 | 4.4 | 5.7 | 9.2 | 9.1 | 7.2 |
| NOx - mg/Rm3 | 102.6 | 102.6 | 102.6 | 109.1 | 110.1 | 110.8 |
| NH3 mg/Rm3 | 5.5 | 5.4 | 5.6 | 4.5 | 5.3 | 4.4 |
| Flue gas moisture | 22% | 22% | 23% | 16% | 16% | 16% |
| Outlet/Stack Dioxin - NATO - (pg TEQ/Rm³) | 3.90 | 3.62 | 3.53 | 2.05 | 7.79 | 1.90 |

¹Average Unit data for the periods corresponding to the test run times.

Table 1: DYEC Source Test Emission Results 2018-2022

| Parameter | Emission limit | Spring 2018 Voluntary | | Fall 2018 Compliance | | Spring 2019 Voluntary | | Fall 2019 Compliance | | Spring 2020 Voluntary | | Fall 2020 Compliance | | Spring 2021 Voluntary | | Fall 2021 Compliance | | Spring 2022 Voluntary | | Fall 2022 Compliance | |
|------------------------------------|--------------------------|-----------------------|----------|----------------------|----------|-----------------------|----------|----------------------|----------|-----------------------|----------|----------------------|----------|-----------------------|----------|----------------------|----------|-----------------------|----------|----------------------|----------|
| | | Boiler 1 | Boiler 2 | Boiler 1 | Boiler 2 | Boiler 1 | Boiler 2 | Boiler 1 | Boiler 2 | Boiler 1 | Boiler 2 | Boiler 1 | Boiler 2 | Boiler 1 | Boiler 2 | Boiler 1 | Boiler 2 | Boiler 1 | Boiler 2 | Boiler 1 | Boiler 2 |
| Cadmium | 7 µg/Rm ³ | 0.14 | 0.12 | 0.14 | 0.04 | 0.1 | 0.08 | 0.18 | 0.08 | 0.056 | 0.11 | 0.075 | 0.056 | 0.068 | 0.045 | 0.064 | 0.02 | 0.023 | 0.39 | 0.063 | 0.028 |
| Carbon Monoxide | 40 mg/Rm ³ | 19.7 | 13 | 13 | 13.4 | 13.1 | 12.2 | 11.2 | 12.1 | 15.2 | 11.4 | 11.4 | 14.1 | 12.6 | 12.7 | 9.7 | 11.7 | 10.7 | 15.3 | 9.1 | 9.4 |
| Dioxins and Furans | 60 pgTEQ/Rm ³ | 10.4 | 10.5 | 5.05 | 3.22 | 4.55 | 4.58 | 1.51 | 3.24 | 1.82 | 2.53 | 28.7 | 7.26 | 4.10 | 7.35 | 14.7 | 2.56 | 7.28 | 4.10 | 3.68 | 3.91 |
| Hydrogen Chloride | 9 mg/Rm ³ | 2 | 3.8 | 2.9 | 4.1 | 1.9 | 4.2 | 3 | 5.1 | 4.5 | 5.1 | 3.8 | 3.2 | 3.1 | 2.9 | 2.2 | 1.8 | 1.0 | 3.6 | 0.4 | 3.8 |
| Lead | 50 µg/Rm ³ | 0.45 | 0.29 | 0.18 | 0.22 | 0.59 | 0.46 | 0.54 | 0.57 | 0.55 | 0.61 | 0.37 | 0.34 | 0.44 | 0.32 | 0.46 | 0.17 | 0.22 | 0.28 | 0.23 | 0.15 |
| Mercury | 15 µg/Rm ³ | 0.22 | 0.77 | 0.3 | 0.13 | 0.35 | 0.1 | 0.29 | 0.1 | 0.13 | 0.1 | 0.34 | 0.045 | 0.086 | 0.081 | 0.053 | 0.05 | 0.089 | 0.09 | 0.093 | 0.088 |
| Nitrogen Oxides | 121 mg/Rm ³ | 109 | 109 | 109 | 111 | 110 | 110 | 111 | 110 | 109 | 109 | 110 | 110 | 109 | 110 | 111 | 110 | 110 | 110 | 112 | 111 |
| Organic Matter | 50 ppm _{dv} | 0.8 | 1.2 | 0.7 | 1 | 1.8 | 0.5 | 0.8 | 0.3 | 0.2 | 1.7 | 0.5 | 1.1 | 1.0 | 0.4 | 0 | 0 | 0.7 | 1.5 | 0.1 | 0.3 |
| Sulphur Dioxide | 35 mg/Rm ³ | 0.02 | 0 | 0 | 0.1 | 0.03 | 0.02 | 0 | 0.01 | 0 | 0 | 0.1 | 0.1 | 0.3 | 0.7 | 0.3 | 0.2 | 0.02 | 0.9 | 0.5 | 0.6 |
| Total Suspended Particulate Matter | 9 mg/Rm ³ | 1.11 | 0.96 | 0.34 | 0.32 | 0.62 | 0.38 | 0.61 | 0.54 | 1.14 | 1.04 | 2.6 | 2 | 0.78 | 0.25 | 0.48 | 0.31 | 0.87 | 1.58 | 0.27 | 0.20 |

Table 2: Comparison Table: 2022 Compliance Source Test Results Compared to ECA limits and Ontario A-7 Guideline

| Parameter | Units | Boiler #1 | Boiler #2 | DYEC Average | DYEC ECA limit | % of ECA limit | Ontario A-7 Guideline |
|------------------------------------|------------------------|-----------|-----------|--------------|----------------|----------------|-----------------------|
| Nitrogen Oxides | mg/ Rm ³ | 112 | 111 | 111 | 121 | 92% | 198 |
| Total Suspended Particulate Matter | mg/ Rm ³ | 0.27 | 0.20 | 0.24 | 9 | 3% | 14 |
| Sulphur Dioxide | mg/ Rm ³ | 0.5 | 0.6 | 0.6 | 35 | 1.7% | 56 |
| Hydrogen Chloride | mg/ Rm ³ | 0.4 | 3.8 | 2.1 | 9 | 23% | 27 |
| Carbon Monoxide | mg/ Rm ³ | 9.1 | 9.4 | 9.3 | 40 | 23% | 40 |
| Mercury | µg/Rm ³ | 0.093 | 0.088 | 0.091 | 15 | 0.6% | 20 |
| Cadmium | µg/Rm ³ | 0.063 | 0.028 | 0.046 | 7 | 0.7% | 7 |
| Lead | µg/Rm ³ | 0.23 | 0.15 | 0.19 | 50 | 0.4% | 60 |
| Dioxin/Furans | pg TEQ/Rm ³ | 3.68 | 3.91 | 3.8 | 60 | 6.3% | 80 |



The Regional
Municipality of
Durham

Works Department

Memorandum

Date: April 14, 2023

To: Regional Chair Henry and Members of Regional Council

From: John Presta, P.Eng., MPA, Commissioner of Works

Copy: Elaine Baxter-Trahair, Chief Administrative Officer
Giuseppe Anello, M.Eng., P.Eng., PMP, Director, Waste
Management Services

Subject: Durham York Energy Centre
Quarterly (Q4 - 2022) Long-Term Sampling System Report

The attached report for the fourth quarter (Q4) of 2022 provides details with respect to data related to the Long-Term Sampling System (LTSS) at the Durham York Energy Centre (DYEC), referred to as the AMESA system.

This report includes AMESA data collected from October 18, 2022, to January 13, 2023, and is structured as follows:

1. Sections 1 and 2 provide background,
2. Sections 3 to 8 provide specific quarterly AMESA data,
3. Section 9 provides ambient air data for the same time period, and
4. Section 10 responds to inquiries received during the quarter.

End of Memo

Attachment: DYEC LTSS Quarterly (Q4 - 2022) Report
(October 18, to January 13, 2023)



Durham York Energy Centre
Long-Term Sampling System
Quarterly (Q4) Report
October 2022 to December 2022

Prepared by

The Regional Municipality of Durham

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1. Introduction

This report provides additional details with respect to the reporting of operational data related to the AMESA Long-Term Sampling System (LTSS) for Dioxin and Furans at the Durham York Energy Centre (DYEC).

This report covers the fourth quarter (Q4) of 2022 and includes AMESA data collected from October 18, 2022, to January 13, 2023.

2. Background

To meet the requirements of Environmental Compliance Approval (ECA) Condition 7(3), a continuous sampling system (the Adsorption Method for Sampling Dioxins and Furans (AMESA) LTSS), is installed on each of the two boiler units at the DYEC to sample Dioxins and Furans.

The operation of the AMESA system was initiated in 2015 and has been maintained in accordance with current guidance from the AMESA manufacturer, the North American vendor ENVEA, and the AMESA Technical Manual.

The AMESA system is used only for the purpose stated in ECA Condition 7(3), which relates to Dioxins and Furans emissions trend analysis and evaluation of Air Pollution Control equipment performance. The AMESA results themselves do not constitute a compliance point for the facility operations.

ECA Condition 7(3), Testing, Monitoring and Auditing Long-Term Sampling for Dioxins and Furans, states:

- (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 Air Pollution Control (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 4.1

¹ 40 CFR Part 60 refers to the Code of Federal Regulations – Standards of Performance for New Stationary Sources

- (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.

AMESA results are available at the site when requested by the Ministry of Environment, Conservation and Parks (MECP) and reported to the MECP as part of the Annual Report required by ECA Approval Condition 15 and posted to the DYEC website.

As the results of the LTSS AMESA sampling are reported annually as a 12-month rolling average to the MECP and contained in the Annual Report, a request from the public was granted in 2021 to provide more frequent updates. Quarterly reports containing validated, calculated results for each AMESA sampling run for both boiler units are prepared for Council and subsequently posted to the website.

3. Cartridge Replacement Schedule

The AMESA sampling cartridge duration is approximately 30 days before it is removed and sent to the laboratory for analysis. As each boiler unit is independent, the duration may differ due such things as alternating maintenance activities.

| AMESA Cartridge Replacement Schedule | | | | |
|---|--------------|-------------------|-----------------|------------------------|
| Unit # | Run # | Start Date | End Date | Duration (days) |
| 1 | 78 | 18-Oct-22 | 11-Nov-22 | 24 |
| 2 | 78 | 18-Oct-22 | 11-Nov-22 | 24 |
| 1 | 79 | 11-Nov-22 | 12-Dec-22 | 31 |
| 2 | 79 | 11-Nov-22 | 12-Dec-22 | 31 |
| 1 | 80 | 12-Dec-22 | 13-Jan-23 | 21 |

Note 1:The cartridge duration times may differ even though the start and end dates are the same for both boiler units.

Note 2:Boiler Unit 2 went offline December 17 due to waste processing capacity limit. There is no Boiler Unit #2 Run #80 result.

4. Laboratory Analysis

There were no issues identified with the AMESA sample cartridges or the analysis at the laboratory; however, the laboratory continues to experience delays in analysis and reporting.

5. Durham and York Regions and Covanta Monthly Data and Operations Review

Staff from The Regional Municipality of Durham and the Regional Municipality of York Regions meet with Covanta both weekly and monthly on an established schedule to discuss facility operations, and to review environmental monitoring results, trends and calculations where required for all monitoring programs, and the available AMESA results.

6. Oversight of AMESA Results

The Regional Municipality of Durham and the Regional Municipality of York Region staff and Covanta meet with the MECP on a quarterly basis to discuss all items pertinent to the ECA and the Environmental Monitoring Programs and facility operations. Any concerns which are not determined to be reportable incidents in accordance with the ECA are discussed along with day-to-day operations and monitoring.

Any events which the ECA deems reportable are done in accordance with the appropriate ECA condition.

Results of the AMESA LTSS are reported to the MECP in the DYEC Annual Reports and posted to the DYEC website. AMESA trends of validated data are presented as a 12-month rolling average together with an analysis to demonstrate the ongoing performance of the APC Equipment. The MECP has no concerns with the AMESA results detailed in the 2021 Annual Report as posted via this link: [MECP Review of the DYEC 2021 Annual Report](#). The [2021 Annual Report](#) has been posted to the website.

7. AMESA Performance

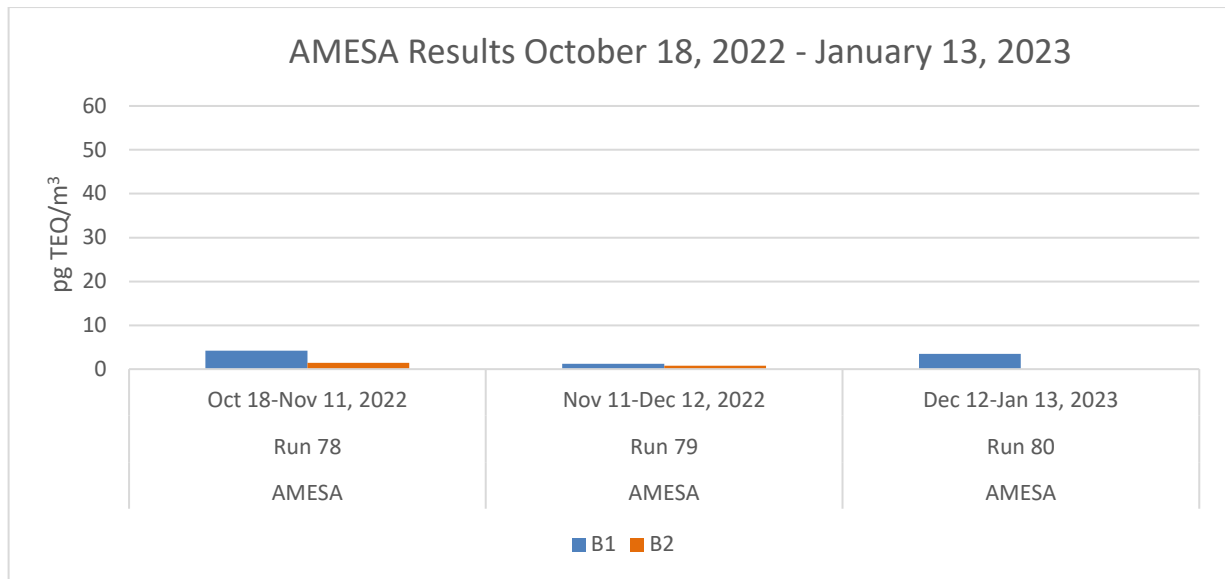
The measured concentrations for each of the 17 dioxin and furan congeners identified in the laboratory certificate of analysis are applied to established calculations to obtain a Calculated Result. These calculations quantify the Dioxins and Furans per cubic metre of gas at reference conditions. Additionally, standard temperature, pressure and oxygen correction factors are also applied to the measured concentration to obtain a value for regulatory comparison. Finally, each of the 17 dioxin and furan congeners are multiplied by their respective toxic equivalency factor (TEF) and added together to obtain a total dioxin and furan total toxic equivalence (TEQ). The ECA for the DYEC specifies the use of the NATO classification scheme for Dioxins and Furans and therefore the NATO TEF factors are applied to obtain the TEQ calculation. The Table below shows each of the AMESA sampling Runs, the start and end time the cartridge was in-situ for each boiler unit, and the calculated result.

AMESA Calculated Results

| Unit # | Run # | Start Date | End Date | Calculated Result (pg TEQ/Rm ³) |
|--------|-------|------------|-----------|---|
| 1 | 78 | 18-Oct-22 | 11-Nov-22 | 4.217 |
| 2 | 78 | 18-Oct-22 | 11-Nov-22 | 1.434 |
| 1 | 79 | 11-Nov-22 | 12-Dec-22 | 1.226 |
| 2 | 79 | 11-Nov-22 | 12-Dec-22 | 0.748 |
| 1 | 80 | 12-Dec-22 | 13-Jan-23 | 3.468 |

Note 3: Boiler Unit 2 went offline December 17 due to waste processing capacity limit. There is no Boiler Unit #2 Run #80 result.

While AMESA has no regulatory limit associated for compliance as it is used to supplement source testing, the ECA directs that, “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.” The Regions, their Engineering and Air Emissions oversight consultants and Covanta will continue to monitor DYEC performance as it relates to AMESA results and trends. The Table below displays the results of the AMESA sampling runs conducted in the fourth quarter (Q4) of 2022.



Note 4: Boiler Unit 2 went offline December 17 due to waste processing capacity limit. There is no Boiler Unit #2 Run #80 result.

7.1 Investigation

There were no results which triggered the AMESA Investigation Checklist during the fourth quarter (Q4) of 2022.

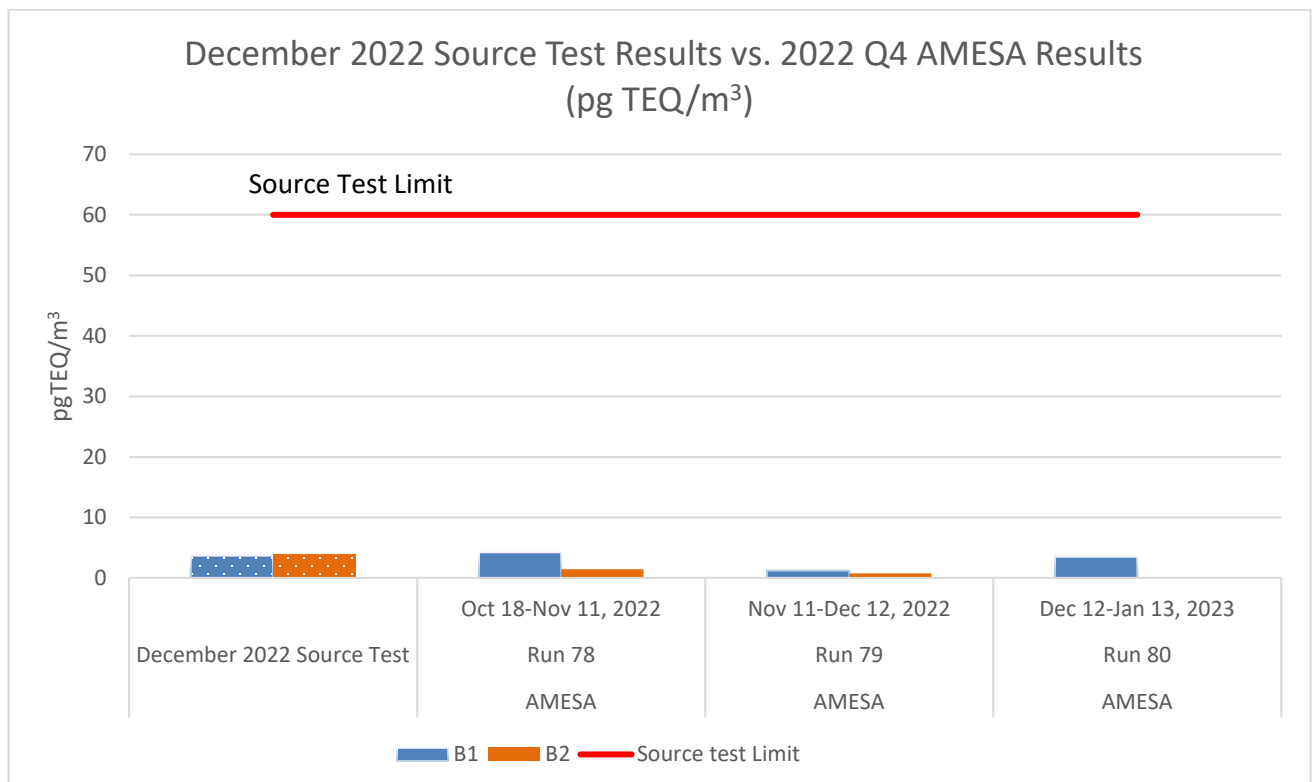
7.2 Corrective Action

There were no investigations undertaken which required corrective action during the fourth quarter (Q4) of 2022.

8. AMESA relative to most current Source Testing Dioxin and Furan Results

AMESA is not used to assess compliance and should not be evaluated against Ministry standards, such as the Dioxin and Furan Source testing limit. The testing methodology for AMESA and Source testing sampling and analysis are different and are set out within their prescribed sampling method and manufacturer guidelines.

The AMESA results are presented in the chart below to show how the Q4 calculated values compare to the most current source testing results. The source test compliance limit for Dioxins and Furans is 60 pgTEQ/m³. The chart below shows the AMESA Q4, 2022 results as compared to the 2022 Fall source test results. Results from the Fall source test also indicated the Dioxins and Furans result is below the regulatory compliance limit.

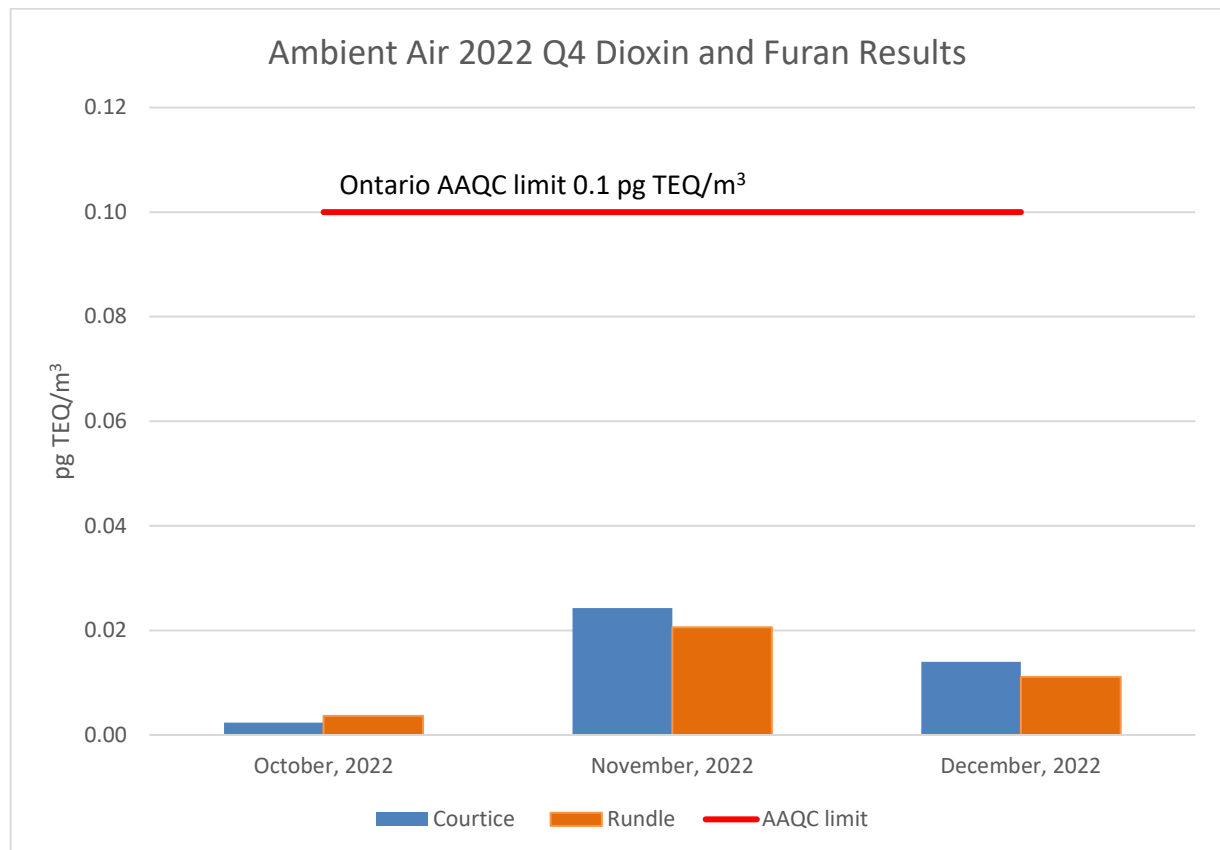


9. Ambient Air Dioxin and Furan Results – Fourth Quarter (Q4) 2022

The Ambient Air Monitoring Program samples for dioxins and furans. The sampling methodology, units of measurement and the reporting limits are prescribed differently and cannot be compared directly to the source testing or AMESA results. The Ambient Air monitoring program does not measure point source emissions, but it does provide an indication of local air quality. The monitoring equipment samples air, which captures ambient air emissions from a variety of emissions sources in the area. The results of ambient air monitoring assist in informing on local air quality and may suggest contributing factors based on meteorological conditions such as wind speed and direction.

As can be seen in the graph below, the dioxin and furan results measured from both ambient air stations monitored as part of the DYEC ambient air monitoring program are below the Ontario Ambient Air Quality Criteria of 0.1 picogram Toxic Equivalency per cubic metre (pgTEQ/m³) during the fourth quarter (Q4) of 2022.

Of additional note, the Ontario Ambient Air Quality Criteria is 10 times lower than the Ontario Regulation 419 Upper Risk Threshold of 1 pgTEQ/m³ for dioxins and furans.



10. Durham York Energy Centre Inquiries

There are no outstanding inquiries related to the AMESA Long-Term Sampling System (LTSS) for Dioxin and Furans at the Durham York Energy Centre (DYEC).

End of Report



Interoffice Memorandum

Date: April 14, 2023

To: Health & Social Services Committee

From: Dr. Robert Kyle

Subject: Health Information Update – April 10, 2023

Health
Department

Please find attached the latest links to health information from the Health Department and other key sources that you may find of interest. Links may need to be copied and pasted directly in your web browser to open, including the link below.

You may also wish to browse the online Health Department Reference Manual available at [Board of Health Manual](#), which is continually updated.

Boards of health are required to “superintend, provide or ensure the provision of the health programs and services required by the [Health Protection and Promotion] Act and the regulations to the persons who reside in the health unit served by the board” (section 4, clause a, HPPA). In addition, medical officers of health are required to “[report] directly to the board of health on issues relating to public health concerns and to public health programs and services under this or any other Act” (sub-section 67.(1), HPPA).

Accordingly, the Health Information Update is a component of the Health Department’s ‘Accountability Framework’, which also may include program and other reports, Health Plans, Quality Enhancement Plans, Durham Health Check-Ups, business plans and budgets; provincial performance indicators and targets, monitoring, compliance audits and assessments; RDPS certification; and accreditation by Accreditation Canada.

Respectfully submitted,

Original signed by

R.J. Kyle, BSc, MD, MHSc, CCFP, FRCPC, FACPM
Commissioner & Medical Officer of Health

*“Service Excellence
for our Communities*

A stylized blue graphic element consisting of several overlapping, curved shapes that resemble a hand or a set of wings, positioned below the text.

UPDATES FOR HEALTH & SOCIAL SERVICES COMMITTEE
April 10, 2023

Health Department Media Releases/Publications

tinyurl.com/mv8emu3r

- Testing Changes for Lyme Disease (Mar 29)

tinyurl.com/2df7fbu2

- Lakeridge Health Electronic Referrals via Ocean Platform (Apr 3)

tinyurl.com/y36zx3zn

- Reporting Requirements for Veterinarians (Apr 3)

tinyurl.com/3a8rhtb7

- Multidrug-Resistant Gonorrhea (Apr 3)

tinyurl.com/2tpf23cu

- New HIV Testing Guidelines (Apr 4)

GOVERNMENT OF CANADA

Canadian Food Inspection Agency

tinyurl.com/2px6m6zk

- Domestic dog tests positive for avian influenza in Canada (Apr 4)

Department of Finance Canada

tinyurl.com/msjkkmba

- Government of Canada releases Budget 2023 (Mar 28)

Employment and Social Development Canada

tinyurl.com/3323wm92

- Minister Khara wraps up her participation in the 13th Session of the United Nations Open-ended Working Group on Ageing (Apr 5)

Health Canada

tinyurl.com/37vkz8f4

- Statement from the Minister of Mental Health and Addictions and Associate Minister of Health on the Overdose Crisis (Mar 27)

tinyurl.com/3xveudjx

- Government of Canada Releases the Model Practice Standard for Medical Assistance in Dying to Ensure Consistent and Safe Practice in Canada (Mar 27)

tinyurl.com/mpmzxphx

- Government of Canada highlights \$144 million from Budget 2023 that would help address harms related to substance abuse across Canada (Apr 4)

tinyurl.com/ym8upt9f

- Minister Duclos highlights budget investments to strengthen public health care and support health workers and students (Apr 5)

tinyurl.com/pjnzs3hz

- Statement from the Minister of Health on the Supreme Court of Canada's decision in the Cambie Surgeries case (Apr 6)

tinyurl.com/y3tkmwvb

- Message from the Minister of Health and the Minister of Mental Health and Addictions – World Health Day 2023 (Apr 7)

Natural Resources Canada

tinyurl.com/ye2x6khc

- Government of Canada's Modernized Policy for Radioactive Waste and Decommissioning for Canada (Mar 27)

Prime Minister's Office

tinyurl.com/2p8k6ecm

- Getting Canadians the dental care they need (Mar 31)

tinyurl.com/bdz46tdx

- New support available to make life more affordable for Canadians (Apr 1)

tinyurl.com/mruyh25y

- Building a clean economy with good middle-class jobs (Apr 5)

Public Health Agency of Canada

tinyurl.com/426u3f2k

- Joint Statement from the Co-Chairs of the Special Advisory Committee on the Epidemic of Opioid Overdoses – Latest National Data on Substance-Related Harms (Mar 27)

tinyurl.com/2p9497bb

- Message from the Minister of Health – World Autism Awareness Day (Apr 2)

GOVERNMENT OF ONTARIO

Ministry of Finance

tinyurl.com/4v8s62he

- Ontario Responds to the Federal Government's Budget 2023 (Mar 28)

Ministry of Health

tinyurl.com/28weae67

- Ontario Government and Association of Ontario Midwives Reach Agreement (Apr 3)

tinyurl.com/e9ynscbh

- COVID-19 Booster Recommended for High-Risk Individuals This Spring (Apr 6)

Premier's Office

tinyurl.com/229cndwy

- Province Helping More Students Become Doctors At Home in Ontario (Mar 30)

OTHER ORGANIZATIONS

Canadian Academy of Health Sciences

tinyurl.com/mry7brvt

- CAHS Releases Health Human Resources Assessment Report (Apr 4)

Canadian Cancer Society

tinyurl.com/mr3bn6yj

- Canadian Cancer Society announces details of historic research funding program to transform low-survival cancers (Mar 31)

Canadian Ophthalmological Society

tinyurl.com/2p98c3yp

- Vision care is health care: Canada's vision health stakeholders collectively stress the need to support vision care in federal budget (Mar 28)

Celiac Canada

tinyurl.com/mpt6uhuf

- New free celiac blood tests could benefit 128,000 Ontarians and save \$1 billion (Mar 30)

Community Food Centres Canada

tinyurl.com/3mxyj2xr

- A missed opportunity: Community Food Centres Canada responds to Federal Budget (Mar 29)

Council of Canadian Academies

tinyurl.com/5n6wer6t

- Advances in digital technology outpacing efforts to address online harms: expert panel report (Mar 30)

Hydro One

tinyurl.com/muuh3ac8

- Hydro One begins community engagement on proposed transmission line in Clarington to support Ontario's growing energy needs (Mar 27)

LabCANDx

tinyurl.com/yxmvaru5

- Harnessing the Value of Precision Medicine (Apr 5)

Ombudsman Ontario

tinyurl.com/mryrmz6x

- Ombudsman to investigate cases of people with developmental disabilities who are inappropriately housed in hospitals (Mar 27)

Parachute

tinyurl.com/mwn2b77c

- More than half of Canadians say that road safety should be among the top five priorities for government to address in their community (Mar 29)

Public Health Ontario

tinyurl.com/3a8rhtb7

- New: Snapshot on household food insecurity (Apr 3)

Public Policy Forum

tinyurl.com/bdfhpuh2

- Primary care for everyone: Health-care leaders urge policymakers to urgently make fixes that would serve 6.5 million Canadians without primary care (Apr 5)

Registered Nurses' Association of Ontario

tinyurl.com/5ez7fwwk

- Nurses urge Ontario government to reverse decision that would end access to funded health-care services for vulnerable people (Mar 28)

tinyurl.com/2wkaf4y5

- Federal government must act as guardian of Canada's universal health system: Nurses say (Mar 28)

World Health Organization

tinyurl.com/ym5kyv8m

- Experts call for action on the commercial determinants of health and health equity (Mar 24)

tinyurl.com/47vj64sx

- Quadripartite call to action for One Health for a safer world (Mar 27)

tinyurl.com/yckp8dux

- SAGE updates COVID-19 guidance (Mar 28)

tinyurl.com/msrytpww

- WHO celebrates 75th anniversary and calls for health equity in face of unprecedented threats (Apr 3)



Interoffice Memorandum

Date: April 14, 2023
To: Members of Regional Council
From: Barb Goodwin, Commissioner of Corporate Services
Subject: Policy re: Appointment of Regional Council Members to Governance Positions of Professional Associations

The Regional Municipality of Durham

Corporate Services Department

605 Rossland Rd. E.
Level 1
PO Box 623
Whitby, ON L1N 6A3
Canada

905-668-7711
1-800-372-1102

durham.ca

Barb Goodwin
MPA, CPA/CGA,
B.Comm, CPM,
CMMIII
Commissioner of
Corporate Services

Regional Council members are appointed to serve on a number of professional associations, including but not limited to the Federation of Canadian Municipalities (FCM) and the Association of Municipalities of Ontario (AMO).

In order to codify current practices and expectations, a policy regarding the Appointment of Regional Council Members to Governance Positions of Professional Associations has been prepared and adopted by the Regional Chair's Office.

Of note, the Policy documents the expectation that Regional Council members act in the best interests of the Region as a whole, while performing their role as a Regional representative.

Other key points include the requirements for Regional appointees to:

- meet with government relations staff in the CAO's office prior to attending meetings of the professional association to review the agenda and obtain any necessary briefing material; and
- Provide updates on the activities of the professional association to Regional Council.

The policy is attached for your reference.

Sincerely,

Barb Goodwin
Commissioner of Corporate Services
T: 905-668-7711 ext. 2125
E: Barb.Goodwin@durham.ca



Regional Municipality of Durham
Regional Chair's Office
Council Policy Manual

| | | |
|--|-------------------------------|-----------------------|
| Title: Appointment of Regional Council Members to Governance Positions of Professional Associations | | |
| Policy #: To be assigned | Issued: April 14, 2023 | Page #: 1 of 3 |
| Revised: N/A | | |
| Approved by: Regional Chair | | |
| Responsibility: Regional Chair's Office | | Section: N/A |

1. Scope

- 1.1 This policy applies to all members of the Council of the Regional Municipality of Durham who are appointed to governance positions of professional associations by or on behalf of Durham Region Council.

2. Purpose

- 2.1 The purpose of this policy is to establish guidelines for the activities and behaviour of Regional Council members who are appointed to governance positions of professional associations by or on behalf of Durham Region Council, including but not limited to the Association of Municipalities of Ontario (AMO), the Federation of Canadian Municipalities (FCM), and other similar advocacy groups.

3. Selection Process

- 3.1 Opportunities for nomination or appointment to a governance position of a professional association shall be published in an agenda for a meeting of Regional Council for consideration when they arise.
- 3.2 At the meeting, the Regional Chair shall ask for motions to nominate or appoint a member of Regional Council. Nominations must be moved and seconded. Nominated Members shall disclose any potential conflicts of interest to Regional Council. The Regional Chair will ask nominees if they wish to stand for appointment. Should only one nominee stand for appointment, the Chair shall declare them appointed.
- 3.3 Where more members express interest than the number of positions that are available, the Regional Clerk shall conduct one or more votes of the members (i.e. 'run-off' votes) until the

remaining nominees are supported by a majority of the members of Regional Council. Following a successful vote, the Regional Chair shall declare the member(s) appointed.

- 3.4 The association shall be advised of the appointment by the Regional Clerk as soon as possible following the Council meeting, by way of formal correspondence provided in a format deemed acceptable by the association.

4. Responsibilities of Members

- 4.1 Members appointed to a governance position with a professional association shall represent the Region's best interests when engaged in business of the professional association, and shall not engage in behaviour that could be perceived as being contrary to those interests.
- 4.2 Members shall support the mandate of the professional association and uphold their fiduciary duty to it as an appointee to its governing body.
- 4.3 When engaged in the business of the professional association, members shall not advance their personal interests or the interests of their local municipality ahead of the interests of the Region as a whole or the interests of the professional association.
- 4.4 Where a conflict arises between the members' fiduciary duty to the professional association and the best interests of the Region, members shall exercise their best judgment in making decisions and act in a manner that is transparent and accountable.
- 4.5 In addition to Regional Council's Code of Conduct, members appointed to a governance position of a professional association shall also comply with that organization's code of conduct and ethical framework, if applicable.
- 4.6 Prior to any meeting of a professional association's governing body, the appointed member(s) shall meet with government relations staff within the CAO's Office to review the agenda for the meeting and obtain any necessary briefing materials and information.

5. Communication

- 5.1 Members appointed to a governance position of a professional association shall keep Regional Council informed of any discussions or decisions made at meetings of the organization that may affect the Region, and may do so by way of memorandum to Regional Council Members or at a regular Regional Council or Standing Committee meeting as appropriate.

6. Accountability

- 6.1 Members appointed to a governance position of a professional association by or on behalf of Regional Council shall be accountable to Regional Council for their actions and decisions at those organizations.
- 6.2 Regional Council may rescind the appointment of any member who engages in behaviour that is contrary to the interests of the Region or who fails to comply with this policy.

7. Review

- 7.1 This policy shall be reviewed on a regular basis to ensure its continued relevance and effectiveness.

8. Inquiries

- 8.1 For additional information regarding this policy, contact Legislative Services at clerks@durham.ca



April 5, 2023

Regional Clerk
The Regional Municipality of Durham
605 Rossland Road East
Whitby, ON, L1N 6A3

| | |
|--|--|
| Corporate Services Department Legislative Services Division | |
| Date & Time Received: | April 06, 2023 10:30 am |
| Original To: | CIP |
| Copies To: | |
| Take Appropriate Action | <input type="checkbox"/> File <input type="checkbox"/> |
| Notes/Comments: | |

File: 12-12-0092

Re: Proposed Amendment to Sign By-law 72-96 to Permit Sandwich Board Signs in the Central Business District Zones in the Downtown Oshawa Urban Growth Centre

Please be advised that City Council at a meeting held on April 3, 2023 dealt with the above-noted matter and adopted the following recommendation:

1. That, pursuant to Report CNCL-23-32 dated March 29, 2023, sandwich board signs in the Central Business District Zones in the Downtown Oshawa Urban Growth Centre be permitted and the proposed by-law to amend Sign By-law 72-96, as amended, to give effect to the same be approved, as generally set out in Attachment 3 of said Report, and that an appropriate formal by-law be passed in a form and content acceptable to the City Solicitor and the Commissioner of Economic and Development Services.
2. That, pursuant to Report CNCL-23-32 dated March 29, 2023, the notice provisions of By-law 147-2007 (e.g. newspaper advertisements) be waived concerning notice for any proposed amendment to Sign By-law 72-96 in consideration of the sandwich board pilot project, which has had a duration of six years, being made permanent in the event Part 1 of this recommendation is approved.
3. That a copy of Report CNCL-23-32 dated March 29, 2023, and the related Council resolution be sent to the Region of Durham."

Please find attached a copy of Report CNCL-23-32, dated March 29, 2023 for your records.

If you require further information or clarification, please contact Laura Brown at the address shown or by telephone at (905) 436-3311, extension 2125 or by email to labrown@oshawa.ca.

Meaghan Harrington, MCIP, RPP, Manager
Policy

LB/k

Attachment



PORT COLBORNE

Development and Legislative Services

Municipal Offices: 66 Charlotte Street
Port Colborne, Ontario L3K 3C8 • www.portcolborne.ca


"

T 905.835.2900 ext 106 F 905.834.5746

E charlotte.madden@portcolborne.ca

April 11, 2023

Municipality of Trent Lakes
760 Peterborough County Road 36
Trent Lakes, ON K0M 1A0

| | |
|--|--|
|  Corporate Services Department Legislative Services Division | |
| Date & Time Received: | April 12, 2023 3:48 pm |
| Original To: | CIP |
| Copies To: | |
| Take Appropriate Action | <input type="checkbox"/> File <input type="checkbox"/> |
| Notes/Comments: | |

To: The Honourable Steve Clark, Minister of Municipal Affairs and Housing
minister.mah@ontario.ca
The Honourable Doug Ford, Premier of Ontario
premier@ontario.ca
The Honourable Dave Smith, MPP Peterborough-Kawartha
dave.smithco@pc.ola.org
The Honourable Michelle Ferreri, MP Peterborough-Kawartha
michell.ferreri@parl.gc.ca
Curve Lake First Nation
audreyp@curvelake.ca
The Association of Municipalities Ontario
amo@amo.on.ca

Re: Municipality of Trent Lakes – Oath of Office

Please be advised that, at its meeting of March 14, 2023 the Council of The Corporation of the City of Port Colborne resolved as follows:

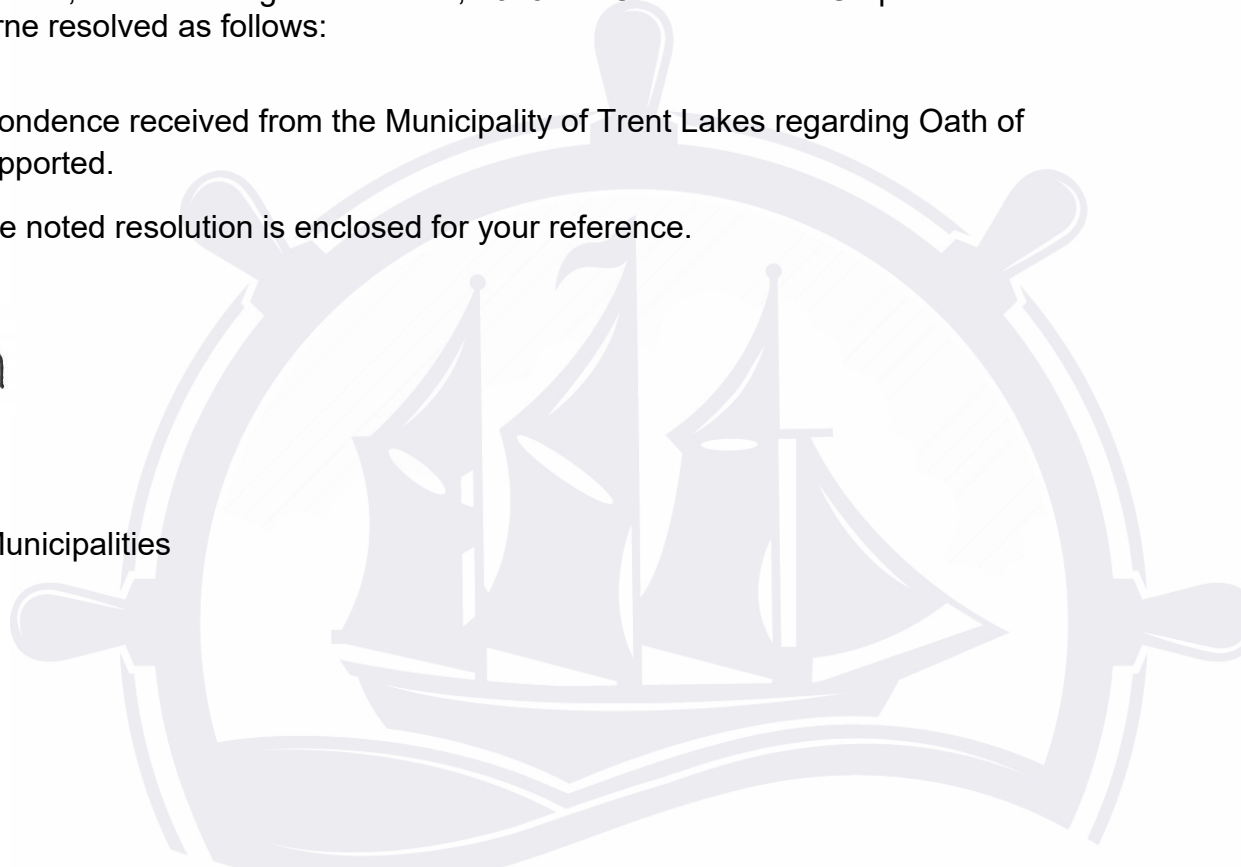
That correspondence received from the Municipality of Trent Lakes regarding Oath of Office, be supported.

A copy of the above noted resolution is enclosed for your reference.

Sincerely,

Charlotte Madden
Acting City Clerk

Cc: All Ontario Municipalities





760 Peterborough County Road 36, Trent Lakes, ON K0M 1A0 Tel 705-738-3800 Fax 705-738-3801

February 28, 2023

Via email only

To: The Honourable Steve Clark, Minister of Municipal Affairs and Housing
minister.mah@ontario.ca
The Honourable Doug Ford, Premier of Ontario
doug.fordco@pc.ola.org
The Honourable Dave Smith, MPP Peterborough-Kawartha
dave.smithco@pc.ola.org
The Honourable Michelle Ferreri, MP Peterborough-Kawartha
michelle.ferreri@parl.gc.ca
Curve Lake First Nation
audreyp@curvelake.ca
The Association of Municipalities Ontario
amo@amo.on.ca

Re: Oath of Office

Please be advised that during their Regular Council meeting held February 21, 2023, Council passed the following resolution:

Resolution No. **R2023-119**

Moved by Councillor Franzen
Seconded by Deputy Mayor
Armstrong

Whereas most municipalities in Ontario have a native land acknowledgement in their opening ceremony; and

Whereas a clear reference to the rights of Indigenous people is the aim of advancing Truth and Reconciliation; and

Whereas Call to Action 94 of the Truth and Reconciliation Commission of Canada called upon the Government of Canada to replace the wording of the Oath of Citizenship to include the recognition of the laws of Canada including Treaties with Indigenous Peoples; and

Whereas on June 21, 2021 an Act to amend The Citizenship Act received royal assent to include clear reference to the rights of Indigenous peoples aimed at advancing the Truth and Reconciliation Commission's Calls to Action within the broader reconciliation framework; and

Whereas the Truth and Reconciliation Commission of Canada outlines specific calls to action for municipal governments in Canada to act on, including education and collaboration;

Therefore be it resolved that Council request to the Minister of Municipal Affairs and Housing that the following changes be made to the municipal oath of office: I will be faithful and bear true allegiance to His Majesty King Charles III and that I will faithfully observe the laws of Canada including the Constitution, which recognizes and affirms the Aboriginal and treaty rights of First Nations, Inuit and Metis peoples; and further

That this resolution be forwarded to the Association of Municipalities of Ontario (AMO), all Ontario municipalities, MPP Dave Smith, MP Michelle Ferreri, Premier Doug Ford and Curve Lake First Nation.

Carried.

Sincerely,

Mayor and Council of the Municipality of Trent Lakes

Cc: All Ontario municipalities



CORPORATION OF THE MUNICIPALITY OF SOUTH HURON

322 Main Street South P.O. Box 759

Exeter Ontario

NOM 1S6

Phone: 519-235-0310 Fax: 519-235-3304

Toll Free: 1-877-204-0747

www.southhuron.ca

April 12, 2023

Via email: premier@ontario.ca

Premier Doug Ford
Legislative Building
Queen's Park
Toronto ON M7A 1A4

Re: Support for the School Bus Stop Arm Cameras

South Huron Council passed the following resolution at their March 20, 2023 Regular Council Meeting:

That South Huron Council support the resolution of the Council of the Municipality of North Perth to urge the Provincial Government to:


- a) **Require all school buses to have stop arm cameras installed and paid for by the Province for the start of the 2023-2024 school year; and**
- b) **Underwrite the costs for the implementation and on-going annual costs for Administrative Monetary Penalties in small and rural municipalities; and**

That this resolution be circulated to Premier Doug Ford, Attorney General Doug Downey, Minister of Education Stephen Lecce, Provincial opposition parties, Mathew Rae and Lisa Thompson MPPs, AMO and all municipalities in Ontario.

Please find attached the originating correspondence for your reference.

Respectfully,

Alex Wolfe, Deputy Clerk
Municipality of South Huron
awolfe@southhuron.ca
519-235-0310 ext 224

| | |
|--|--|
|  Corporate Services Department Legislative Services Division | |
| Date & Time Received: | April 13, 2023 11:52 am |
| Original To: | CIP |
| Copies To: | |
| Take Appropriate Action | <input type="checkbox"/> File <input type="checkbox"/> |
| Notes/Comments: | |

Encl.

cc: Attorney General Doug Downey
Minister of Education Stephen Lece
Provincial opposition parties
Mathew Rae MPP
Lisa Thompson MPP
Amo
All Municipalities in Ontario



MUNICIPALITY OF

North Perth

www.northperth.ca

A Community of Character

330 Wallace Ave. N., Listowel, ON N4W 1L3

Phone: 519-291-2950

Toll Free: 888-714-1993

March 14, 2023

The Honourable Doug Ford
Premier of Ontario
Legislative Building, Queen's Park
Toronto, ON M7A 1A1
Via Email: premier@ontario.ca

Dear Premier Ford:

RE: School Bus Stop Arm Cameras

Pls be advised that the Council of the Municipality of North Perth passed the following resolution at their regular meeting held March 6, 2023:

Moved by Councillor Rothwell Seconded by Councillor Blazek

WHEREAS almost 824,000 students travel in about 16,000 school vehicles every school day in Ontario and according to the Ministry of Transportation's statistics the rate of vehicles blowing by stopped school buses is over 30,000 times every day;

AND WHEREAS the Province of Ontario passed the Safer School Zones Act in 2017 which authorized the use of Automated School Bus Stop Arm Camera Systems to detect incidents where vehicles failed to stop when the school bus was stopped and the stop-arm extended (O. Reg. 424/20);

AND WHEREAS the Association of Municipalities (AMO) working on behalf of all Ontario Municipalities made its submission to the Standing Committee on General Government on May 21, 2019 in support of Administrative Monetary Penalties (AMPs) to be used to collect fine revenue for school bus stop arm infractions and other applications, including Automated Speed Enforcement (ASE) technologies deployed in school and community safety zones;

AND WHEREAS police resources can not be spread any thinner to enforce Highway Traffic Act offences throughout municipalities;

AND WHEREAS the administrative and financial costs to establish the required municipal Administrative Penalty program under the Highway Traffic Act, and its regulations, are substantial and maybe out of reach for small or rural municipalities that have insufficient amounts of traffic to generate the required funds to offset the annual operational costs of a municipal Administrative Penalty program;

NOW THEREFORE BE IT RESOLVED THAT the Council of the Municipality of North Perth urges the Provincial Government to:

- a) Require all school buses to have stop arm cameras installed and paid for by the Province for the start of the 2023-2024 school year; and
- b) Underwrite the costs for the implementation and on-going annual costs for Administrative Monetary Penalties in small and rural municipalities;

AND FURTHER THAT this resolution be circulated to Premier Doug Ford, Attorney General Doug Downey, Minister of Education Stephen Lecce, Provincial opposition parties, Mathew Rae MPP, AMO and all municipalities in Ontario.

CARRIED

If you have any questions regarding the above resolution, please do not hesitate to contact me at lcine@northperth.ca.

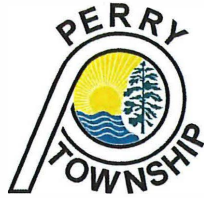
Sincerely,



Lindsay Cline,
Clerk/Legislative Services Supervisor
Municipality of North Perth

cc.

Hon. Doug Downey, Attorney General
Hon. Stephen Lecce, Minister of Education
Provincial Opposition Parties
MPP Matthew Rea
Association of Municipalities of Ontario (AMO)
All Ontario Municipalities



Township of Perry

PO Box 70, 1695 Emsdale Road, Emsdale, ON POA 1J0

PHONE: (705)636-5941

FAX: (705)636-5759

www.townshipofperry.ca

April 11, 2023

| | |
|--|--|
|  Corporate Services Department Legislative Services Division | |
| Date & Time Received: | April 11, 2023 3:51 pm |
| Original To: | CIP |
| Copies To: | |
| Take Appropriate Action | <input type="checkbox"/> File <input type="checkbox"/> |
| Notes/Comments: | |

Via Email

The Honourable Doug Ford
 Premier of Ontario
 Legislative Building, Room 281
 Queens Park
 Toronto, ON M7A 1A1

Dear Honourable Doug Ford, Premier of Ontario:

RE: Resolution of Support – Township of Perry – Bill 5 “Stopping Harassment and Abuse by Local Leaders Act”

Please be advised that at their last regular meeting on Wednesday April 5, 2023, the Council of the Corporation of the Township of Perry supported the following resolution:

“Resolution No.: 2023-112
Moved by: Margaret Ann MacPhail
Seconded by: Paul Sowrey

Be it resolved that the Council of the Corporation of the Township of Perry hereby supports the Municipality of Chatham-Kent’s resolution “Support Bill 5 – Stopping Harassment and Abuse by Local Leaders Act”;

And further that Council directs the Clerk-Administrator to circulate this resolution to the Honourable Doug Ford, Premier of Ontario; the Honourable Steve Clark, Minister of Municipal Affairs and Housing; Honourable Stephen Blais, local MPP’s, the Municipality of Chatham-Kent, and all Ontario municipalities.

Carried.”

Your attention to this matter is greatly appreciated.

Sincerely,


 Erica Cole, *Dipl.M.A.*
 Deputy Clerk

Encl.

cc: Honourable Steve Clark, Minister of Municipal Affairs and Housing
 Honourable Stephen Blais
 Graydon Smith, MPP Parry Sound Muskoka
 Municipality of Chatham-Kent
 All Ontario municipalities



Municipality of Chatham-Kent
Corporate Services
Municipal Governance
315 King Street West, P.O. Box 640
Chatham ON N7M 5K8

March 6, 2023

The Honourable Doug Ford
Premier@ontario.ca

Re: Support Bill 5 - Stopping Harassment and Abuse by Local Leaders Act

Please be advised the Council of the Municipality of Chatham-Kent, at its regular meeting held on March 6, 2023 passed the following resolution:

“That Chatham-Kent Council express its support for Bill 5 - Stopping Harassment and Abuse by Local Leaders Act which would require the code of conduct for municipal Councillors and members of local boards to include a requirement to comply with workplace violence and harassment policies and permit municipalities and local boards to direct the Integrity Commissioner to apply to the court to vacate a member’s seat if the Commissioner’s inquiry determines that the member has contravened this requirement;

And further that this resolution be circulated to the Honourable Doug Ford, Premier of Ontario; the Honourable Steve Clark, Minister of Municipal Affairs and Housing; the Honourable Stephen Blais, and local MPPs.”

If you have any questions or comments, please contact Judy Smith at ckclerk@chatham-kent.ca

Sincerely,

Judy Smith, CMO
Director Municipal Governance/Clerk

C

Minister of Municipal Affairs and Housing
Local MPPs
Ontario Municipalities



MUNICIPALITY OF SHUNIAH

COUNCIL RESOLUTION

Resolution No.: 138-23

Date: Apr 11, 2023


[Handwritten signatures]

Moved By: _____

Seconded By: _____

THAT Council receive and support the resolution from the Town of Essex regarding Municipalities Retaining Surplus Proceeds from Tax Sales;

AND THAT Council direct the Clerk to forward a copy of this resolution to Honourable Peter Bethlenfalvy, Minister of Finance, Lise Vaugois, MPP, Kevin Holland, MPP, Association of Municipalities of Ontario (AMO) and all other Ontario Municipalities.

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|--|--|
|  Corporate Services Department Legislative Services Division | |
| Date & Time Received: | April 12, 2023 3:35 pm |
| Original To: | CIP |
| Copies To: | |
| Take Appropriate Action | <input type="checkbox"/> File <input type="checkbox"/> |
| Notes/Comments: | |

- Carried
 Defeated
 Amended
 Deferred

Wendy Landry

Signature

RESOLUTION NO. 2023 - 122


APRIL 12 2023

Moved by: Jon Hind

Seconded by: B Bishop

BE IT RESOLVED THAT the Council of the Municipality of Magnetawan endorses and supports item 4.1 Municipality of Chatham-Kent 'Support Bill 5 Stopping Harassment and Abuse by Local Leaders Act';

AND FURTHER THAT this resolution be circulated to the Honourable Doug Ford, Premier of Ontario; the Honourable Steve Clark, Minister of Municipal Affairs and Housing; the Honourable Stephen Blais, and Local MPPs.

| | |
|---|--|
|  Corporate Services Department Legislative Services Division | |
| Date & Time Received: | April 13, 2023 11:59 am |
| Original To: | CIP |
| Copies To: | |
| Take Appropriate Action | <input type="checkbox"/> File <input type="checkbox"/> |
| Notes/Comments: | |

Carried ✓ Defeated _____ Deferred _____

Sam Dunnett
Sam Dunnett, Mayor

Recorded Vote Called by: _____

Recorded Vote

| Member of Council | Yea | Nay | Absent |
|---------------------|-----|-----|--------|
| Bishop, Bill | | | |
| Hetherington, John | | | |
| Hind, Jon | | | |
| Kneller, Brad | | | |
| Mayor: Dunnett, Sam | | | |



*Knowing our heritage
we will build our future*

RESOLUTION NO. 2023 - 123


APRIL 12 2023

Moved by: Bill Bishop

Seconded by: John Hetherington

BE IT RESOLVED THAT the Council of the Municipality of Magnetawan endorses and supports item 4.2 Town of Essex 'The Reinstatement of Legislation Permitting a Municipality to Retain Surplus Proceeds from Tax Sales';

AND FURTHER THAT this resolution be circulated to all relevant taxation bodies, including the Ministry of Municipal Affairs, the Ministry of Finance, Essex County Council, MPP Anthony Leardi, Association of the Municipalities of Ontario and all other Municipalities in Ontario.

| | |
|---|--|
|  Corporate Services Department Legislative Services Division | |
| Date & Time Received: | April 13, 2023 12:01 pm |
| Original To: | CIP |
| Copies To: | |
| Take Appropriate Action | <input type="checkbox"/> File <input type="checkbox"/> |
| Notes/Comments: | |

Carried ✓ Defeated _____ Deferred _____

Sam Dunnett
Sam Dunnett, Mayor

Recorded Vote Called by: _____

Recorded Vote

| Member of Council | Yea | Nay | Absent |
|---------------------|-----|-----|--------|
| Bishop, Bill | | | |
| Hetherington, John | | | |
| Hind, Jon | | | |
| Kneller, Brad | | | |
| Mayor: Dunnett, Sam | | | |



*Knowing our heritage
we will build our future*

If this information is required in an accessible format, please contact 1-800-372-1102 ext. 2097.

The Regional Municipality of Durham

MINUTES

DURHAM REGION ANTI-RACISM TASKFORCE

Thursday, March 30, 2023

A meeting of the Durham Region Anti-Racism Taskforce was held on Thursday, March 30, 2023 in the Council Chambers, Regional Headquarters Building, 605 Rossland Road East, Whitby, Ontario at 7:12 PM. Electronic participation was permitted for this meeting.

1. Traditional Territory Acknowledgment

A. Hector-Alexander read the following land acknowledgement:

We are currently located on land which has long served as a site of meeting and exchange among the Mississaugas Peoples and is the traditional and treaty territory of the Mississaugas of Scugog Island First Nation. We honour, recognize and respect this nation and Indigenous Peoples as the traditional stewards of the lands and waters on which we meet today.

2. Roll Call

Present: E. Baxter-Trahair, Chief Administrative Officer
S. Bookal, Community Member
S. Byrne, Industry/Association/Public Institution Representative
PG Case, Industry/Association/Public Institution Representative, Vice-Chair
R. Coelho, Community Member
A. Frempong, Community Member
Councillor Lee, Regional Council
J. Munawa, Community Member
B. Nelson, Industry/Association/Public Institution Representative
C. Oyeniran, Community Member
R.O. Pule, Community Member
N. Samuel, Industry/Association/Public Institution Representative, Chair
Councillor Shahid, Regional Council
K. Vieneer, Community Member
G. Wilson-Beier, Community Member

Also

Present: Councillor Anderson, Regional Council Alternate
B. Goodwin, Commissioner of Corporate Services

Absent: T. Hancock, Community Member
J. Williamson, Industry/Association/Public Institution Representative

Staff

Present: A. Hector-Alexander, Director, Diversity, Equity, and Inclusion
P. Hines, Manager, Diversity, Equity, and Inclusion

A. Sharma, Policy Advisor, Diversity, Equity and Inclusion
R. Inacio, Systems Support Specialist, Corporate Services – IT
K. Smith, Committee Clerk, Corporate Services – Legislative Services

3. Declarations of Interest

There were no declarations of interest.

4. Adoption of Minutes

Moved by Councillor Lee, Seconded by K. Vieneer,
That the minutes of the Durham Region Anti-Racism Taskforce meeting
held on Thursday, September 29, 2022, be adopted.

CARRIED

5. Delegations

There were no delegations to be heard.

6. Presentations

A) Welcome and Overview of Committee Structure

A. Hector-Alexander, Director, Diversity, Equity, and Inclusion provided a
PowerPoint Presentation entitled Welcome and Overview of Committee Structure.

Highlights of the presentation included:

- Welcome
- Members
- Support Services
- Goal and Mandate
- Scope of Activities
- Membership Composition
- Term of Membership and Officers
- Meetings and Quorum
- Agendas and Minutes
- Committee Resolutions and Procedures
- Reporting Relationship
- Role of Committee Chair
- 2022 Annual Workplan: Four Areas of Focus

A. Hector-Alexander welcomed members to the inaugural meeting of the Durham Region Anti-Racism Taskforce (DRART) for 2023. She stated that the taskforce was developed to help ensure a consistent approach to addressing systemic racism within the communities in Durham Region.

A. Hector-Alexander provided an overview of the composition of the Committee and advised that the DRART consists of two members of Regional Council, a staff

liaison from Durham Region, ten (10) citizen members, and four (4) to six (6) members from industry, association, and public institutions. She also advised that the day-to-day activities of the staff liaison will be supported by the Office of the Chief Administrative Officer (CAO).

A. Hector-Alexander reviewed the goals and mandate, scope of activities, membership composition, term of membership and officers, meetings, and quorum for the taskforce.

A. Hector-Alexander reviewed the advisory committee process and its reporting structure to Council including the term of membership; the role of the Chair and Vice-Chair; the meeting process; and quorum requirements.

A. Hector-Alexander also reviewed the agenda and minute preparation process; and the process for DRART resolutions to move forward for consideration by the Finance & Administration Committee and Council. She explained the reporting relationship of the DRART to Council and advised that the taskforce is subject to the Regional Procedural By-law unless otherwise specified in the Terms of Reference. She further advised that the role of Legislative Services staff is to provide support and guidance to the Chair and Committee members to ensure the meeting procedures are followed.

7. Introduction of Members

A. Hector-Alexander invited members of the Durham Region Anti-Racism Taskforce to introduce themselves and share why this work was important to them. The members introduced themselves and provided a brief overview of what brought them to this work.

8. Election of Chair and Vice-Chair

Election of Chair

K. Smith called for nominations for the position of Chair of the Durham Region Anti-Racism Task Force.

Moved by Councillor Lee, Seconded by P.G. Case,
That Nikki Samuel be nominated for the position of Chair of the Durham Region Anti-Racism Task Force.

Moved by C. Oyeniran, Seconded by Councillor Shahid,
That nominations be closed.

CARRIED

K. Smith asked if N. Samuel wished to stand. N. Samuel indicated she would stand.

N. Samuel was acclaimed as the Chair of the Durham Region Anti-Racism Taskforce.

Election of Vice-Chair

K. Smith called for nominations for the position of Vice-Chair of the Durham Region Anti-Racism Task Force.

Moved by Councillor Lee, Seconded by Councillor Shahid,
That P.G. Case be nominated for the position of Vice-Chair of the
Durham Region Anti-Racism Task Force.

Moved by G. Wilson-Beier, Seconded by Councillor Lee,
That nominations be closed.

CARRIED

K. Smith asked if P.G. Case wished to stand. P.G. indicated he would stand.

P.G. Case was acclaimed as the Vice-Chair of the Durham Region Anti-Racism Task Force.

9. Information Items

A) Durham Region Anti-Racism Taskforce Terms of Reference

A. Hector Alexander advised that the Durham Region Anti-Racism Taskforce Terms of Reference was previously provided to members of the committee. She stated that Item 4 was updated to reflect working in subcommittees to address specific trends, needs, or systemic issues; Item 9.2 was updated to provide an honorarium of \$75 per meeting to committee members; and Item 9.3 was updated to allow for hybrid meetings.

A. Hector-Alexander responded to a question with regards to whether the format of meetings will be determined per meeting or have a set schedule.

10. Discussion Items

A) 2023 Priority Initiatives and Focus Areas

A. Hector-Alexander shared the 2022 Annual Workplan as a starting point to begin the process of establishing 2023 priority initiatives and focus areas.

Discussion ensued with regards to advocacy for anti-racism; rise in homelessness; condensing the scope of activities to be more attainable; developing SMART goals; receiving data from local municipalities to assist with work; accomplishments from the 2022 Annual Workplan; engagement and representation of youth; defining the age range of youth; and obtaining more partnerships within the community.

B) 2023 Meeting Frequency and Schedule

A. Hector-Alexander advised that with the current meeting schedule, the committee will meet on the fourth Thursday of the month.

Discussion ensued with regards to the possibility of moving the meeting date to the third Wednesday of the month and moving to hybrid meetings. A. Hector-Alexander advised she would poll committee members regarding which date would work best.

11. Other Business

A) Emancipation Day Celebration

P. Hines advised there will be an Emancipation Day Celebration taking place on August 1, 2023 from 4:00 to 7:30 PM and is collaborating with community partners to plan the event.

B) Collaboration Work

Discussion ensued with regards to reaching out to local municipality committees and taskforces and working with diversity coordinators in developing priorities to have an aligned approach and avoid working in silos.

12. Date of Next Meeting

The next regularly scheduled Durham Region Anti-Racism Taskforce meeting will be held on Thursday, April 27, 2023 at 7:00 PM in Meeting Room 1-B, Regional Headquarters Building, 605 Rossland Road East, Whitby.

13. Adjournment

Moved by Councillor Lee, Seconded by Councillor Shahid.
That the meeting be adjourned.
CARRIED

The meeting adjourned at 8:51 PM.

Respectfully submitted,

N. Samuel, Chair

K. Smith, Committee Clerk