



# The Regional Municipality of Durham

## COUNCIL INFORMATION PACKAGE

### August 25, 2017

#### **Information Reports**

- [2017-INFO-89](#) Commissioner of Works – re: Durham York Energy Centre Source Test Update
- [2017-INFO-90](#) Commissioner of Planning and Economic Development – re: Investment Attraction Statistics – Second Quarter: April 1, 2017 to June 30, 2017

#### **Early Release Reports**

There are no Early Release Reports

#### **Staff Correspondence**

There is no Staff Correspondence

#### **Durham Municipalities Correspondence**

1. [City of Oshawa](#) – re: Resolution passed at their Council meeting held on August 22, 2017, with respect to Protecting the Automotive Sector During Upcoming North American Free Trade Agreement Negotiations

#### **Other Municipalities Correspondence/Resolutions**

1. [Town of Innisfil](#) – re: Resolution passed at their Council meeting held on August 9, 2017, with respect to correspondence from the Lake Simcoe Region Conservation Authority dated June 29, 2017 and supporting correspondence from the Town of Whitchurch-Stouffville dated July 25, 2017 regarding the Township of Ramara's wishes to no longer be a LSRCA member

#### **Miscellaneous Correspondence**

There is no Miscellaneous Correspondence

#### **Advisory Committee Minutes**

There are no Advisory Committee Minutes

**Action Items from Council (For Information Only)**

[Action Items](#) from Committee of the Whole and Regional Council meetings

Members of Council – Please advise the Regional Clerk at [clerks@durham.ca](mailto:clerks@durham.ca) by 9:00 AM on the Monday one week prior to the next regular Committee of the Whole meeting, if you wish to add an item from this CIP to the Committee of the Whole agenda.

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



# The Regional Municipality of Durham Information Report

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From: Commissioner of Works  
Report: #2017-INFO-89  
Date: August 25, 2017

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**Subject:**

Durham York Energy Centre Source Test Update

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**Recommendation:**

Receive for information

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**Report:**

**1. Purpose**

1.1 The purpose of this report is to provide an update on the Regional Municipalities of Durham and York's (Owners) spring 2017 Source Test results at the Durham York Energy Centre (DYEC).

**2. Background**

2.1 The Environmental Compliance Approval (ECA) requires the Owners to perform annual Source Testing in accordance with the procedures and schedule outlined in Schedule "E" of the ECA. The Source Test is to determine the rate of emission of the Test Contaminants from the Stack.

2.2 On October 9, 2013, Regional Municipality of Durham (Durham) Council directed staff to undertake an additional annual source test at the DYEC for a three year period commencing in 2015. The May 2017 Source Test is the second of the Durham Council directed Source Tests.

2.3 The Long Term Sampling System (AMESA) evaluation, as required by the ECA, did not demonstrate an acceptable correlation to the Source Test results. The May 2017 testing included additional AMESA testing utilizing a Work Plan approved by the Ministry of the Environment and Climate Change (MOECC) which is based on an extended continuous sampling.

### **3. Owners' Source Test**

- 3.1 The Owners' Source Test was conducted from May 23 to May 26, 2017, for all test contaminants on both Boiler #1 and Boiler #2.
- 3.2 The results of the Owners' Source Test demonstrated that all emissions were within the limits detailed in the ECA (Attachment #1).
- 3.3 The final Owners' Source Test Report was sent to the MOECC and subsequently posted to the project website.
- 3.4 The evaluation of the Long Term Sampling System for Dioxins and Furans (AMESA) was completed May 30 to June 1, 2017, based on the MOECC approved Work Plan. The evaluation of the results has not yet been completed.

#### Distribution Modeling

- 3.5 The DYEC emissions dispersion was modeled utilizing the Source Test data and the MOECC 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.
- 3.6 All of the calculated impingement concentrations were well below the regulatory limits. Of particular interest is the evaluation of Dioxins and Furans. These values, once modeled for the maximum point of impingement, show that concentrations of 0.000233 PicoGrams (pg) Total Toxic Equivalency Concentration per Reference Cubic Metre (TEQ/Rm3) can be attributed to the DYEC emissions. The Ontario Regulation 419/05 Air Pollution – Local Air Quality regulatory standard is 0.1 pg TEQ/Rm3.

### **4. Owners' Consultants' Reviews**

- 4.1 Airzone One Ltd., the Source Test peer reviewer, provided a memo on their preliminary findings on the Source Test sampling and their audit of the laboratory process (Attachment #2), which concludes that:

“Based on the observations made, both during collection of samples and analysis in the laboratory, we are satisfied that both Ortech and ALS collected and analyzed all dioxin and furan samples according to standard operating procedures and approved methods. With regards to the condensables, there is a concern that the laboratory approach may, in general, bias samples high with regards to the inorganic portion. However, conclusions regarding this bias for the samples analyzed by ALS cannot be made at this time, but will be investigated upon review of the final stack testing report. Final comments concerning the results of all

of the testing and compliance of the facility will be made upon review of the final stack testing report to be issued by Ortech.”

- 4.2 The Emissions Specialist from HDR was also present during the Source Tests. In Attachment #3, HDR reported that:

“HDR has completed our initial review of the preliminary results from the DYEC voluntary stack test (Test) that were performed during the period between May 23 and May 26, 2017. Representatives from HDR were present to observe the testing procedures and DYEC operations throughout the Test period. Overall, ORTECH followed good stack sampling procedures every day of the testing, and Covanta’s plant personnel operated the DYEC in accordance with acceptable industry operating standards. Based on the preliminary results summarized in Table 1, the CA’s Schedule “C” limits.”

## **5. Conclusion**

- 5.1 The Owners’ technical consultants and peer reviewers have confirmed that the diagnostic and compliance Source Tests were conducted in accordance with the Ministry of the Environment and Climate Change’s guidelines, and that the audit of the accredited laboratory processes and quality control concluded that the sample preparation and analysis was accurately completed.
- 5.2 All results of the diagnostic and compliance Source Tests were in compliance with the Environmental Compliance Approval limits.

## **6. Attachments**

- Attachment #1: Source Test Results
- Attachment #2: AirZone One Ltd. Source Tests: Preliminary Findings Memo
- Attachment #3: HDR Inc. Source Test Assessment Memo

Respectfully submitted,

Original signed by

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Susan Siopis, P.Eng.  
Commissioner of Works

Summary of Source Test Results <sup>(1)</sup>

Parameter	Units	ECA Limit	Unit 1 Result	Unit 1 % of Limit	Unit 2 Result	Unit 2 % of Limit
Particulate Matter (PM)	mg/Rm <sup>3</sup>	9	1.03	12.1%	1.17	13.0%
Mercury (Hg)	µg/Rm <sup>3</sup>	15	0.16	1.1%	0.099	0.7%
Cadmium (Cd)	µg/Rm <sup>3</sup>	7	0.12	1.7%	0.069	1.0%
Lead (Pb)	µg/Rm <sup>3</sup>	50	0.28	0.6%	0.28	0.6%
Hydrochloric Acid (HCl) <sup>(2)(3)</sup>	mg/Rm <sup>3</sup>	9	2.1	23.3%	3.1	34.4%
Sulphur Dioxide (SO <sub>2</sub> ) <sup>(2)(3)</sup>	mg/Rm <sup>3</sup>	35	0	0.0%	0	0.0%
Nitrogen Oxides (NO <sub>x</sub> ) <sup>(2)(3)</sup>	mg/Rm <sup>3</sup>	121	110	90.9%	112	92.6%
Carbon Monoxide (CO) <sup>(2)(4)</sup>	mg/Rm <sup>3</sup>	40	12.9	32.3%	15.8	39.5%
Total Hydrocarbons (THC) <sup>(5)</sup>	ppm	50	1.0	2.0%	0.8	1.6%
Dioxin and Furans <sup>(6)</sup>	pg TEQ/Rm <sup>3</sup>	60	<5.32	8.9%	<7.67	12.8%

- (1) All results reported as dry at 25 degrees Celsius and one atmosphere, adjusted to 11 per cent oxygen by volume.
- (2) Based on process data or Continuous Emissions Monitoring (CEM) data provided by Covanta.
- (3) Maximum calculated rolling arithmetic average of 24 hours of data measured by the Durham York Energy Centre (DYEC) Continuous Emissions Monitors (CEMS).
- (4) Maximum calculated rolling arithmetic average of four hours of data measured by the DYEC CEMS.
- (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 North Atlantic Treaty Organization (NATO)/Committee on the Challenges of Modern Society (CCMS) (1989) toxicity equivalence factors and the full detection limit for those isomers below the analytical detection limit.

Gioseph Anello, MEng, PEng, PMP  
Manager of Waste Planning & Technical Services

The Regional Municipality of Durham  
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August 1<sup>st</sup>, 2017  
Job/reference #: J17083

**RE: Audit of Spring 2017 Source Testing - Preliminary Findings**

Dear Mr. Anello,

At this time, we are providing our preliminary findings of the sample collection and laboratory analysis for the Spring 2017 Source Testing of the Durham York Energy Centre (DYEC). This preliminary review will provide a general overview of our findings. A more detailed review of the testing campaign will be provided once the final source testing report has been issued. The field sampling audits were undertaken by Adomait Environmental Solutions Inc. (Adomait), while the laboratory audits were undertaken by Airzone One Ltd. (AirZOne).

*Source Sampling Audit*

Adomait observed the sampling of two stack trains at the Durham York Energy Centre, focusing specifically on the sampling of semi-volatile organic compounds (SVOC) conducted on May 26<sup>th</sup>, 2017. Mr. Derek Ottens of Adomait was responsible for observing the stack samplers throughout the process. Mr. Ottens' observations focused primarily on the stack sampling methods and implementation procedures. As requested by the Regional Municipality of Durham, no observations were made of the instrumentation in the process control room during the sample collection periods.

SVOC samples were collected following the procedures in EPS 1/RM/3 and US EPA Method 23. During the source testing, Ortech followed the sampling and recovery procedures as specified by the methods to maintain the integrity of the samples. Ortech had adequate staff on site to collect samples and transfer the sampling media to the on-site lab for recovery and clean-up. Communications with the control room were maintained at an excellent level to ensure samples were collected during representative operating conditions.

The two main operational challenges observed during the previous source testing campaigns were: (i) bridging of the refuse hoppers, and (ii) carbon monoxide spiking. Bridging of the hoppers was not observed during the testing campaign. No comments can be made on the occurrences of CO spikes as the process control room was not monitored.

*Laboratory Processing Audit*

The laboratory audit included the processing of samples related to measurements of particulate matter emissions, specifically the analysis of the condensable fraction of the particulate matter samples, and the processing of samples for semi-volatile organic compounds (SVOC) analysis, specifically the dioxins and furans analysis. Analysis of samples for both was conducted by ALS Environmental (ALS) located in Burlington, ON.

Processing of samples for condensables followed ALS Method ID: BU-TP-2004 v02 (US EPA Method 202). Initial processing of documentation for the samples was appropriate and accurate, and initial processing (transfer, extraction and drying) were carried out according to the method. At each step in the extraction, the technician used appropriate solvents and other materials. All glassware and transfer pipettes were segregated to eliminate the possibility of contamination and to ensure the traceability of the entire process.

# AirZOne

Comprehensive Air Quality Services

The ALS method analysis differs from US EPA Method 202 in one regard: ALS conducts a titration of the aqueous portion of the samples prior to final evaporation and drying to neutralize acid in the sample; whereas the US EPA method only calls for this titration if the dried aqueous fraction cannot reach a constant final weight upon drying. This is often required when the sample has a large fraction of inorganic material. The inorganic material (e.g.,  $H_2SO_4$ ) can be highly hygroscopic, making it difficult to dry effectively in a desiccator. Titrating before evaporation and drying can cause complications, particularly for sources that emit hydrogen chloride (HCl). HCl is a volatile acid that should not be counted as condensable particulate matter. Titrating before evaporation will convert the HCl to ammonium chloride, which is not the result of chemicals in the stack gas, but which would be measured as condensable particulate since it is non-volatile and will not evaporate from the sample during the evaporation and/or drying steps. Method 202 samples with high levels of HCl take considerable time (often more than 8 hours) to evaporate and for samples to come to constant weight. Therefore, by conducting the titration before evaporating and drying often saves laboratories time and money. However, by converting HCl to ammonium chloride, additional, non-condensable, mass is added to the sample that will not evaporate. Consequently, the mass of inorganic condensable particulate matter may be biased high in cases where HCl is present, if the titration is conducted before evaporation and drying of the sample.

Processing of the filter-XAD sampling train for determination of semi-volatile organic compounds followed ALS Method ID: BU-TM-1110 v20 and BU-TM-1107 V12 (collectively, US EPA Method 23). Initial processing of documentation for the samples was appropriate and accurate and initial processing (transfer and extraction) was carried out according to the method. The clean-up step, designed to remove moisture, acids and bases, PAH, OCs, PCBs, thio-compounds and diphenyl ethers, which may interfere with the instrumental analysis, was carried out according to the standard operating procedure (SOP) using a manual procedure and associated equipment.

For both methods (Method 23 and Method 202), comprehensive checks were included in the form of field blanks, laboratory blanks and spiked blanks. Additional verification was undertaken at analysis and data processing steps to ensure that QA/QC criteria were appropriate, in terms of recoveries of spiked blanks at each stage. Moreover, a final analyst review of the data handling and calculations was undertaken to verify that all steps were executed accurately. All of the procedures as outlined in the ALS methods, based on either Method 202 or Method 23, were followed.

### *Conclusion*

Based on the observations made, both during collection of samples and analysis in the laboratory, we are satisfied that both Ortech and ALS collected and analysed all dioxin and furan samples according to standard operating procedures and approved methods. With regards to the condensables, there is a concern that the laboratory approach may, in general, bias samples high with regards to the inorganic portion. However, conclusions regarding this bias for the samples analysed by ALS cannot be made at this time, but will be investigated upon review of the final stack testing report. Final comments concerning the results of all of the testing and compliance of the facility will be made upon review of the final stack testing report to be issued by Ortech.

Sincerely,

Lucas Neil, PhD  
Air Quality Scientist  
Airzone One Ltd.  
[lneil@airzoneone.com](mailto:lneil@airzoneone.com)





## Technical Memorandum

**To:** Gioseph Anello, PEng, Region of Durham

**Cc:** Mirka Januszkiewicz, PEng (Region of Durham)  
Tara Wilcox, MEng (Region of Durham)

Laura McDowell, PEng (Region of York)  
Seth Dittman, PEng (Region of York)

John Clark, PE; Andrew Evans, PEng; Kirk Dunbar (HDR)

**From:** Bruce Howie, PE

**Date:** August 4, 2017

**Re:** **Durham York Energy Centre: Spring 2017 Voluntary Stack Test**  
**HDR Observations During Testing and Summary of Results**

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## Introduction

During the period from May 23 through May 26, 2017, ORTECH Consulting, Inc. (ORTECH) conducted a voluntary Stack Test at the Durham York Energy Center (DYEC). Although similar testing is required under Section 7 of the Environmental Compliance Approval (ECA) originally issued by the Ontario Ministry of Environment and Climate Change (MOECC) on June 29, 2011, this testing was conducted voluntarily at the request of Durham Region. HDR personnel were on-site during all portions of the testing. The purpose of this technical memorandum is to summarize the observations of the HDR personnel, and to review and summarize the preliminary results for the Compliance Test based on the information provided by ORTECH on June 13, 2017.

## HDR Observations during the Voluntary Stack Test

HDR personnel were on-site during the entire test period that occurred between May 23 and May 26, 2017. Attachment A summarizes the schedule of testing completed, along with identifying any tests that were aborted. HDR's role on-site was to observe operations of the DYEC and the conduct of ORTECH, the stack test firm hired by the Regions to conduct the tests and sampling. It was observed by HDR that most of the ORTECH personnel on-site during the Spring 2017 testing were part of the same testing crews that conducted previous stack sampling at the DYEC. HDR observed that 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. Sample box ice was replenished in a timely manner, sampling equipment was assembled properly, 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.

A complete day-by-day summary of HDR's observations of operations and the testing during the entire Compliance Test is included in Attachment B. Attachment C provides a summary of the DYEC operating data during the Dioxin/Furan testing. Overall, no deviations from applicable stack test procedures were observed by HDR personnel during the testing period. 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 in time is due to the fact that it took between 5 and 15 minutes for ORTECH to pull the probe out of the first port, leak check the sampling equipment, and insert the probe into the second port. While rare, leak check failures and equipment issues do occur during stack testing programs. During the second metals test on Unit 1 on May 23, 2017, the results of the leak test were poor prior to the start of sampling. Although the leak test was assessed as being acceptable, ORTECH opted to resolve the issue before testing commenced by replacing a sampling tube. Also, on May 24, 2017 during prep for a particulate matter (PM10) test run, poor heater performance was noted due to repairs to a loose/damaged wire that resulted in a ground fault interrupter (GFI)/fuse trip. Both issues were resolved prior to the PM10 test runs. During day 3, run 2 of Unit 2's inlet pre-test check failed. During equipment inspection, a hairline fracture was detected in the sampling tube. The sampling tube was replaced prior to the start of testing.

HDR was also on-site to observe plant operations and the conduct of Covanta personnel during the testing period. Overall, it is HDR's opinion that the plant was operated under normal conditions during the sampling periods identified in the schedule included in Attachment A. Two drops in the boiler steaming rate occurred with Unit 1 during the testing period. The first occurred prior to the start of the particulates/metals and dioxins/furans testing on Day 3. The second occurred during the dioxins/furans testing that took place on Day 4. In addition, several minor waste feed chute plugs occurred in Unit 1 on Day 3 of the testing, each of which was quickly corrected with no apparent impact on operations or test sampling procedures. There were no other significant process upsets or other operations-related issues during the testing that resulted in any of the tests being aborted. The details of HDR's observations during these minor plant upsets are provided in Attachment B.

### **Summary of Results**

The results of the testing program, based on ORTECH's June 13, 2017 preliminary 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.

Table 1 – Summary of Preliminary Test Results <sup>(1)</sup>

Parameter	Units	ECA Limit	Unit 1		Unit 2	
			Result	% of Limit	Result	% of Limit
Particulate Matter (PM)	mg/Rm <sup>3</sup>	9	1.03	12.1%	1.17	13.0%
Mercury (Hg)	µg/Rm <sup>3</sup>	15	0.16	1.1%	0.099	0.7%
Cadmium (Cd)	µg/Rm <sup>3</sup>	7	0.12	1.7%	0.069	1.0%
Lead (Pb)	µg/Rm <sup>3</sup>	50	0.28	0.6%	0.28	0.6%
Hydrochloric Acid (HCl) <sup>(2)(3)</sup>	mg/Rm <sup>3</sup>	9	2.1	23.3%	3.1	34.4%
Sulphur Dioxide (SO <sub>2</sub> ) <sup>(2)(3)</sup>	mg/Rm <sup>3</sup>	35	0	0.0%	0	0.0%
Nitrogen Oxides (NO <sub>x</sub> ) <sup>(2)(3)</sup>	mg/Rm <sup>3</sup>	121	110	90.9%	112	92.6%
Carbon Monoxide (CO) <sup>(2)(4)</sup>	mg/Rm <sup>3</sup>	40	12.9	32.3%	15.8	39.5%
Total Hydrocarbons (THC) <sup>(5)</sup>	ppm	50	1.0	2.0%	0.8	1.6%
Dioxin and Furans <sup>(6)</sup>	pg TEQ/Rm <sup>3</sup>	60	<5.32	8.9%	<7.67	12.8%

(1) all results reported as 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

(4) maximum calculated rolling arithmetic average of 4 hours of data measured by the DYEC CEMS

(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

Figure 1: DYEC Preliminary Test Results as a Percent of ECA Limit

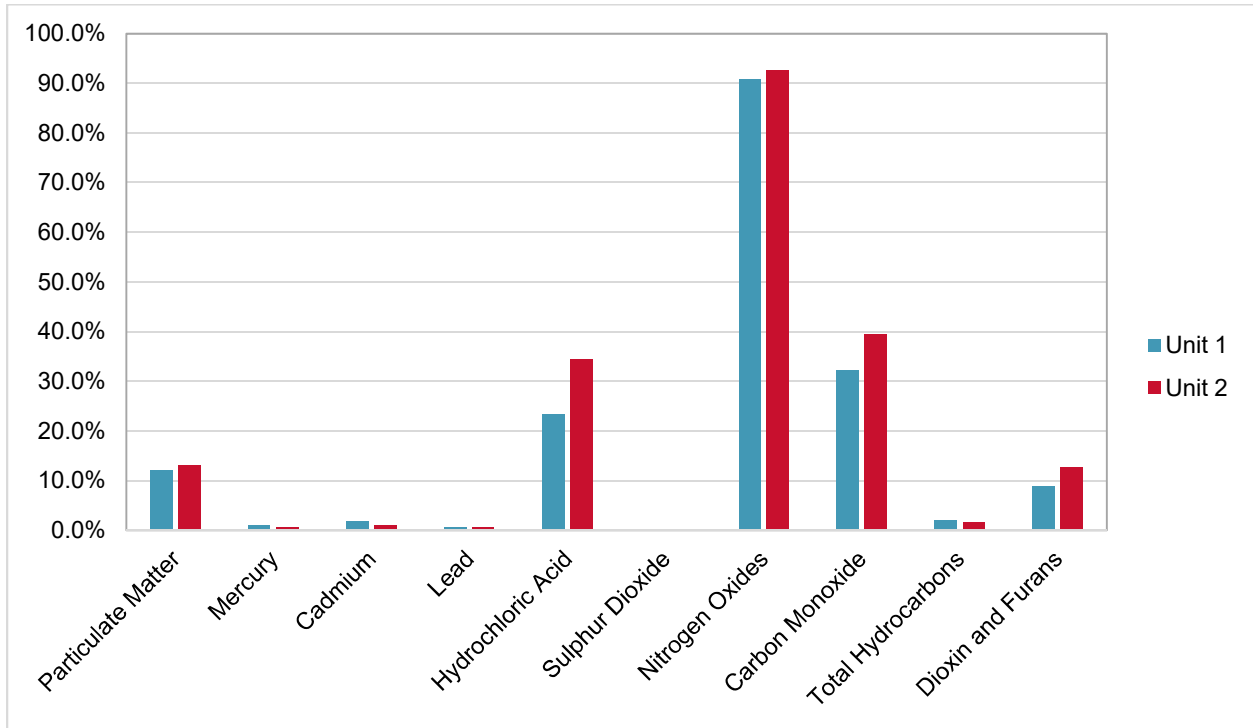
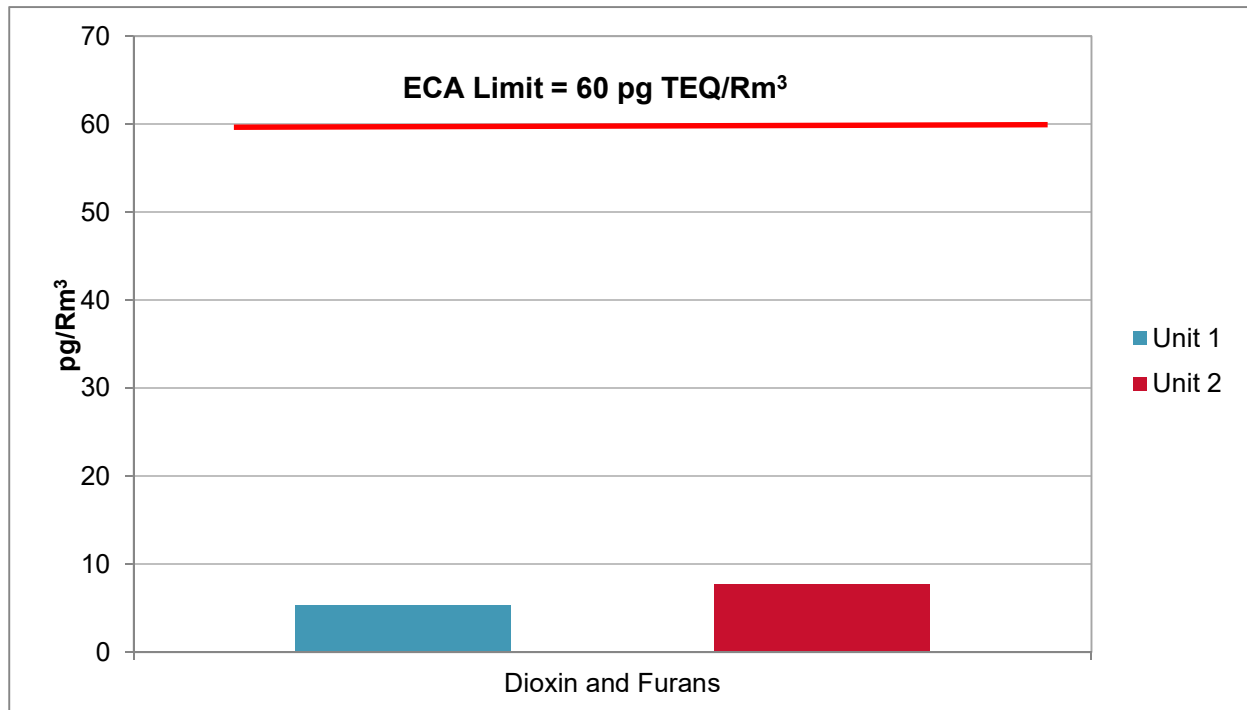


Figure 2: Test Results for Dioxins and Furans



As of the date of this technical memorandum, HDR has not received the complete test report from ORETCH and therefore could not perform a detailed review of the supporting analytical results. HDR will perform a more detailed review of all of the Compliance Test results upon receiving the final ORTECH report.

## **Conclusions and Recommendations**

HDR has completed our initial review of the preliminary results from the DYEC voluntary stack test (Test) that were performed during the period between May 23 and May 26, 2017. Representatives from HDR were present to observe the testing procedures and DYEC operations throughout the Test period. Overall, ORTECH followed good stack sampling procedures every day of the testing, and Covanta's plant personnel operated the DYEC in accordance with acceptable industry operating standards. Based on the preliminary results summarized in Table 1, the Compliance Test demonstrated that the DYEC operated below the ECA's Schedule "C" limits.

### **Attachments:**

Attachment A – Summary of Testing Schedule

Attachment B – Summary of Field Notes for the Test Period

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

# Attachment A: Summary of Testing Schedule

**Attachment #3 to Report #2017-INFO-89**

**Table 1 Table 2 - Spring 2017 Testing Schedule**

Day/Location	Parameter	Method	Run No.	Duration	Start Time	End Time
<b>Tuesday May 23, 2017</b>						
# 1 APC Outlet	Particulate/Metals	Ontario 5/EPA 29	1	180	10:32	13:39
			2	180	14:30	17:41
	Hydrogen Fluoride	EPA M26A	1	60	10:33	11:33
# 2 APC Outlet	PM10, PM2.5 Cond	EPA M201A/202	2	60	12:17	13:17
			3	60	14:22	15:22
			1	119.6	10:20	12:24
			2	120.2	14:19	16:23
			3	120.2	17:27	19:29
<b>Wednesday May 24, 2017</b>						
# 1 APC Outlet	PM10, PM2.5 Cond	EPA M201A/202	1	120.1	8:18	10:21
			2	119.9	11:38	13:41
			3	120	15:06	17:09
# 2 APC Outlet	Particulate/Metals	Ontario 5/EPA 29	1	180	8:18	11:27
			2	180	12:04	15:15
			3	180	15:32	18:40
	Hydrogen Fluoride	EPA M26A	1	60	8:19	9:19
2			60	10:00	11:00	
3			60	11:56	12:56	
<b>Thursday May 25, 2017</b>						
# 1 APC Outlet	Particulate/Metals	Ontario 5/EPA 29	3	180	9:01	12:56
			1	240	9:06	13:33
	Dioxins and Furans	EPS 23	2	240	15:01	19:38
	VOST	SW846-0030	1	80	9:20	11:17
			2	80	11:39	15:22
			3	80	15:33	17:21
#1 Quench Inlet	Dioxins and Furans	EPS 23	1	180	9:08	13:04
			2	180	15:35	19:10
# 2 APC Outlet	Dioxins and Furans	EPS 23	1	240	9:04	13:33
			2	240	15:00	19:38
	VOST	SW846-0030	1	80	9:14	11:12
			2	80	11:41	13:28
			3	80	15:18	17:06
#2 Quench Inlet	Dioxins and Furans	EPS 23	1	180	9:08	13:05
			2	180	15:49	19:15
<b>Friday May 26, 2017</b>						
# 1 APC Outlet	Dioxins and Furans	EPS 23	3	240	8:15	12:33
# 1 APC Outlet	Aldehydes	CARB Method 430	1	60	8:17	9:17
			2	60	9:27	10:27
			3	60	10:54	11:54
#1 Quench Inlet	Dioxins and Furans	EPS 23	3	180	8:20	12:11
# 2 APC Outlet	Dioxins and Furans	EPS 23	3	240	8:15	12:34
# 2 APC Outlet	Aldehydes	CARB Method 430	1	60	8:23	9:23
			2	60	9:39	10:39
			3	60	10:59	11:59
#2 Quench Inlet	Dioxins and Furans	EPS 23	3	180	8:19	12:11

Attachment B:  
Summary of HDR Field Notes  
For the Compliance Test Period



**Day #1, May 23<sup>rd</sup> Recap:**

Testing start time: 10:20; End time: 19:29.

Observations from Andrew Evans (HDR) for May 23<sup>rd</sup>:

- Testing commenced, some set up occurred previously during engineering runs.
- Plant was running well all day as stated by Covanta's representative. Steam flow rates and temperatures were within normal range.
- ORTECH reported no issues with the testing or results. I noted they did have a bit of trouble getting a good seal on the testing apparatus prior to (during initial leak testing) the particulate/metals run 2 Unit #1. Although leak testing indicated an OK leak rate and the testers indicated it was probably sufficient, they opted to replace a tube, which seemed to resolve the issue.
- No issues observed with ORTECH's performance on site during the testing. ORTECH and Covanta had many staff on site and they kept to the schedule and kept an eye on ice and water levels, etc. ORTECH was training a newer staff member during testing, as a result some of the port changes were not as 'smooth' as with more experienced staff (minor bumps occurring, some challenges to make the correct movement to remove the sampling probe from the port, etc.).

Tests run during Day #1:

Unit #1 - Particulate/Metals (2 runs), Acid gases (hydrogen fluorides), total hydrocarbons (3 runs, each).

Unit #2 -PM10/PM2.5 (3 runs).

**Day #2, May 24<sup>th</sup> Recap:**

Testing start time: 8:18; End time: 18:40.

Observations from Andrew Evans (HDR) for May 24<sup>th</sup>:

- Covanta remains content with the plant performance during test runs (they feel that it has been running smoothly so far). Steam flows and temperatures appeared to remain within norms during testing.
- ORTECH had an issue with a heater during prep for one of the PM10 runs (Unit #1 – Run #2). Investigation indicated a loose/damaged wire in the unit was the cause. During the repair a GFI/Fuse tripped, which required resetting. These issues were resolved before sampling began.
- The delay discussed above resulted in an adjustment to the testing plan. ORTECH had intended to run metals test Run #3 on Unit #1 Due to the delay discussed above, they instead moved the sampling train to Unit #2. During the move ORTECH kept the

assembled sampling train intact (resulting in the requirement for re-labeling of field data sheets and sample containers to ensure proper identification prior to analysis etc.).

Unit #1 –PM10/PM2.5 (3 runs).

Unit #2 - Particulate Metals, Acid gases (hydrogen fluorides), total hydrocarbons (3 runs, each).

**Day #3, May 25<sup>th</sup> Recap:**

Start time: 10:20; End time: 19:29.

Observations from John Clark (HDR) and Andrew Evans (HDR) for May 25<sup>th</sup>:

- ORTECHran two dioxin tests on each unit, as well as VOST and aldehydes. They also completed Run #3 for particulate metals on Unit #1.
- Covanta Corporate support - Rick Koehler is on site as Covanta's Test Coordinator, Steve DeDuck is on site to support ongoing operations and engineering. Billy Marsden (Hempstead) is supporting operations. Tim Hanlen was on site as additional support during the day.
- Steam flows running around the setpoint at 33,300-33,900 kg/hr.
- Steam temperatures at 495-500°C through the day.
- Pre-test leak checks were completed as required. However, the initial leak check on the sampling apparatus for Run 2 of Unit 2's Inlet failed – ORTECH inspected the equipment and determined the cause to be a hairline fracture in the sampling tube. The sampling tube was swapped out and the subsequent initial leak check passed.
- There was one steam dip on Unit #1 in the morning prior to test start. Several minor feed chute plugs occurred through the day but were remedied quickly with no apparent impact on operations.
- They are not sootblowing during stack testing which is standard practice. They will sootblow overnight before testing starts up again tomorrow.
- Ammonia lances on Unit #2 have been relocated up approximately 4 feet higher in the first pass and are now slightly above the Tertiary air ports. This may be a better location for the current level of boiler fouling – the amount of ammonia required has dropped. Injecting in higher elevations can result in higher ammonia slip if the temperature window is too low. This does not appear to be an issue at this location. Ammonia slip should be monitored and the lances will need to be relocated lower in the boiler when the boiler is clean (after outages). Unit #1 is also being prepped for relocation of the lances (waiting on fittings). The upper ports were part of the initial design but slight modifications to the tertiary air nozzles were required to provide better access.
- The ash is wetter than normal and water was observed draining from the ash discharger overflow today. Based on discussions with Covanta, they are working to improve water level control in the dischargers and are testing new style probes. Sufficient water is needed to maintain an air seal in the discharger, but too much water will result in wet ash.
- The Non-ferrous diverter gate has been set to the furthest back position which will result in capturing less non-ferrous. Some pieces were observed to be thrown by the Eddy current, but were not making it over the diverter. It is not clear if this was a temporary setting due to the wet ash. The Screen ahead of non-ferrous was relatively clear but is clogging faster with the wet ash.

## Attachment #3 to Report #2017-INFO-89

- The Air handling unit ( baghouse) in the residue building is off.
- Raining today – heavy at times but did not seem to impact waste being processed, There were some leaks in the roof above Unit #2 that should be fixed.
- Baghouse level detectors are missing on the last 2 compartments on unit 2 and the last compartment on the boiler right side of boiler 1. These are reported to be on order.
- The control of the combustion air preheaters has been changed slightly. All six of the steam coils and condensate traps are in the open position. The amount of preheat is now being manually controlled by opening (to reduce combustion air temp) or closing (to raise the CA temp) the air heater by-bass damper. This appears to be a preferred mode of operation, making operations easier and keeping the coils cleaner (bypassed air will not foul the coils).
- Lime rate is at 175 kg/hr minimum setpoint – This is in line with normal settings and prior test periods.
- Carbon rate is set at 5.2 kg/hr. There were some minor upsets with the blowers that were rectified quickly.
- Unit #1 CZ hopper dump valve is opening slowly and closing fast – this may need to be adjusted if the condition worsens – The temperature and draft indicate the dump valve is maintaining a clear hopper.
- All Boiler hoppers appear to be clear based on temperature and draft.
- Rotary valves for the flyash recirculation are running 43 to 45 percent speed. All rotary valves were checked locally and were observed to be running at approximately 6.8 rpm
- Plenty of waste in the storage pit to complete testing.

### **Day #4, May 26<sup>th</sup> Recap:**

Start time: 10:20, end time 19:29:

Observations from John Clark and Andrew Evans for May 26<sup>th</sup>:

- ORTECHran 1 dioxin test on each unit. – Testing was conducted simultaneously at inlet and outlet locations
- Covanta Corporate support continues - Rick Koehler- Steve DeDuck- Billy Marsden (Hempstead)
- Steam flows running around the setpoint at 33,300-33,900 kg/hr There was one short steam drop on Unit #1 during the testing period – other than that the units ran well and there were no reported feed chute plugs. Other combustion settings and data appeared good – ( O<sub>2</sub>, temperatures and flows)
- Steam temperatures at 495-500°C through the day.
- Pre-test leak checks were completed as required. No issues were detected.
- Light Rain early morning today then overcast – did not seem to impact waste being processed.
- Lime rate is at 175 kg/hr minimum setpoint – This is in line with normal settings and prior test periods. It rose up for about one hour (around 250 kg/hr) during testing.
- Carbon rate is set at 5.2 kg/hr.
- Plenty of waste in the pit for testing. HDR estimated about 2,000 tonnes in pit this morning.
- Spare water spray nozzles (next to unit 2) for evaporative cooling tower (ECT) showed wear. They are inspected weekly to ensure all nozzles functioning. Covanta opened viewing ports and sprays were observed to be functioning normally.

### **Attachment #3 to Report #2017-INFO-89**

- Ash from discharge was noted to be drier today, no drainage from the thigh level overflow was observed.
- Unit #2 ammonia injection is through 2 shorter lances in the upper ports – Unit #1 is at the lower ports – less ammonia required on Unit #2 with this setup,
- The ECS (nonferrous) deflector was still set at the furthest position today – adversely impacts nonferrous removal.
- HDR will review operational data for the testing period when received from Covanta.

Attachment C:  
Summary of Operating Data  
During the Dioxin/Furan Tests

## May 2017 Voluntary Testing Dioxin Testing Operations Data and Results

Operating Parameter	Boiler 1			Boiler 2		
	Run 1 25-May	Run 2 25-May	Run 3 26-May	Run 1 25-May	Run 2 25-May	Run 3 26-May
MSW Combusted (tonnes/day)						
Steam (kg/hr)	33,461	33,395	33,139	31,836	31,498	33,233
Steam temp	498	497	495	495	495	497
Primary Air Flow	36,375	36,040	35,791	37,312	37,562	36,969
Overfire Air Flow	5,711	5,806	5,358	5,373	5,476	5,394
Tertiary Air (Fresh LN Air)	10,463	10,426	10,348	9,272	9,231	9,825
Tertiary air temperature °C	35.9	35.9	37.2	37.7	37.7	37.8
Lime Injection (kg/day)	178.9	177.1	180.3	183.2	188.2	174.8
Ammonia Injection Rate (liters/m)	1.1	1.0	0.8	0.3	0.3	0.4
Carbon Injection (kg/hr)	5.1	5.2	5.2	5.6	4.4	5.3
Combustion air preheat temp	115.4	122.3	100.6	79.7	79.7	119.0
Average Combustion Zone Temp °C	1,042	1,038	1,029	1,041	1,036	1,064
Superheater #3 Flue gas inlet Temp °C	600	603	595	603	603	604
Economizer Inlet Temp °C	341	342	341	337	337	337
Economize Outlet Temp °C	166	166	166	165	165	162
Quench Outlet Temp °C	152	152	153	152	152	149
Reactor Outlet (BH Inlet) Temp °C	144	144	144	142	143	140
Baghouse Outlet Temp °C	141	141	141	139	139	136
Tertiary Air Header Pressure mbar	60	60	60	63	61	57
Tertiary Air Left mbar	45	45	44	18	16	17
Tertiary air Right mbar	45	45	45	24	24	24
Baghouse Differential Pressure mbar	15	15	15	12	12	12
Oxygen (%) - Boiler Outlet	8.7	8.6	8.7	7.9	7.6	6.6
Oxygen (%) - Baghouse Outlet	9.0	9.1	9.4	8.2	8.4	7.1
CO -Boiler Outlet	13.2	16.5	18.6	18.3	18.3	17.2
CO - Baghouse Outlet	8.1	11.5	12.5	13.8	13.0	14.0
NOx - mg/Rm3	108.7	106.3	109.4	106.8	118.0	102.3
NH3 mg/Rm3	10.4	10.2	10.4	14.8	14.8	12.3
Flue gas moisture	18%	17%	18%	14%	22%	14%
Inlet Dioxin - NATO - (pg TEQ/Rm <sup>3</sup> )	1,702	2,067	2,204	1,792	2,090	1,639
APC System Dioxin Removal efficiency	99.70%	99.76%	99.73%	99.58%	99.66%	99.48%
<b>Outlet/Stack Dioxin - NATO - (pg TEQ/Rm<sup>3</sup>)</b>	<b>5.2</b>	<b>4.9</b>	<b>5.9</b>	<b>7.5</b>	<b>7.0</b>	<b>8.5</b>



# The Regional Municipality of Durham Information Report

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From: Commissioner of Planning and Economic Development  
Report: #2017-INFO-90  
Date: August 1, 2017

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**Subject:**

Investment Attraction Statistics – Second Quarter: April 1, 2017 to June 30, 2017

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**Recommendation:**

Receive for information

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**Report:**

**1. Purpose**

1.1 The purpose of this report is to summarize the investment attraction activity handled by the Economic Development and Tourism Division in the second quarter of 2017 (Q2).

**2. Background**

2.1 The Economic Development and Tourism Division's investment attraction activities are focused on five areas: secured investments; investment inquiries; global investment missions; investor visits; and in-bound delegations.

2.3 The Investment Attraction team handled thirty-one investment leads, twenty-nine of these leads came directly to the Region or through the Region's global investment missions. Two of these investment leads came through outside agencies. Details of these leads can be found in Appendix 1 of this report.

2.4 The inquiries came from a number of different sectors, the largest number coming from Manufacturing (17); Technology/Information (6); Business Services (2); Government (1); Food Industry (1); Healthcare/Pharmaceuticals (1); Retail Related Operations (1) and other (2).

- 2.5 Thirty investment leads from Q2 are currently “Open” and still considering their investment plans. One lead from the Dusseldorf Trade Show is closed.
- 2.6 Two investment missions in Q2 were undertaken by Regional Economic Development staff to the United States and China. Three business missions were undertaken to Germany and the United Kingdom, two of which were led by the Ontario Manufacturing Community Alliance (OMCA), of which Durham Region is a member and receives access to the leads generated. The third business mission was led by our representative in Germany. Details of these missions can be found in Appendix 2 of this report.
- 2.7 Economic Development and Tourism staff hosted three investors, each from Germany, Finland and China. As a result, two companies are intending to invest in Durham by the end of August and one by the end of 2017. Details of these investor visits can be found in Appendix 3 of this report.
- 2.8 Economic Development and Tourism staff also hosted one in-bound delegation. Details of this inbound delegation can be found in Appendix 4 of this report.

### **3. Conclusion**

- 3.1 In the second quarter of 2017, the Investment Attraction team responded to thirty-one investment inquiries, undertook two investment missions, participated in three business missions, hosted three company visits and one in-bound delegation.
- 3.2 The Investment Attraction team is continuing to deliver its 2017 work plan to promote the Region in international markets as a municipality that is “open for business”.

Respectfully submitted,

Original signed by

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B.E. Bridgeman, MCIP, RPP  
Commissioner of Planning and  
Economic Development



## Appendix 1: Investment Leads (Q2 2017)

<b>Project Name</b>	<b>Date of Inquiry</b>	<b>Status</b>	<b>Source</b>	<b>Project Description</b>
Bamboo Plastic	04/Apr/17	OPEN	Direct – SAE	Specializes in composites and automation engineering. Their feature project is Bamboo Reinforced Plastic (BRP), which is both lightweight and ecofriendly. They are currently in the process of planning a visit to Durham as location of choice for their North American manufacturing facility which is overriding their original plan of investing in the USA.
Engineering Solutions	04/Apr/17	OPEN	Direct - SAE	An engineering solutions provider that works closely with major OEMs to solve engineering challenges. They are currently evaluating locations for engineering offices outside of the U.S. including Durham Region.
Lubrication Technology	04/Apr/17	OPEN	Direct – SAE	The company manufactures oils, lubricating greases and bonded lubricants. They are interested in adding a facility in Ontario to serve the entire supply chain and are considering Durham Region.

<b>Project Name</b>	<b>Date of Inquiry</b>	<b>Status</b>	<b>Source</b>	<b>Project Description</b>
MicroMarkets	05/Apr/17	OPEN	Direct – SAE	The company is a global leader in micro-market technology and has created hardware for an unmanned self-checkout market that offers fresh, healthy food. The company has customers operating in Canada and are considering opening an office in 2018/2019.
Industrial Equipment Company	05/Apr/17	OPEN	Direct – SAE	Provider of industrial forklifts, heavy construction equipment and warehouse solutions. They are interested in setting up a branch in Ontario.
Automotive Control Units	05-Apr-17	OPEN	Direct – SAE	Engages in the design and development of control units for automobile manufacturers and suppliers. They are currently utilizing GTA engineering firms for support. Advised they would be interested in establishing an office in GTA as long as supported by strong engineering talent pool.

<b>Project Name</b>	<b>Date of Inquiry</b>	<b>Status</b>	<b>Source</b>	<b>Project Description</b>
Manufacturer of Scientific Instruments	24/Apr/17	OPEN	Direct – Hannover Messe	Manufactures scientific instruments for molecular and materials research, as well as for industrial and applied analysis. Looking for a distributor and eventually a production facility. They believe Canada is a good option due to NAFTA and CETA.
Life Science Incubator	25/Apr/17	OPEN	Direct – Hannover Messe	The company offers research and development services to pharmaceutical, biotechnology and medical technology companies. Interested in expanding into North America but would require additional funding.
Hydrogen Storage	26/Apr/17	OPEN	Direct – Hannover Messe	The company develops technology for hydrogen storage in Liquid Organic Hydrogen Carriers (LOHC). Believes Ontario presents an attractive opportunity for production, development and distribution within the entire North American market.

<b>Project Name</b>	<b>Date of Inquiry</b>	<b>Status</b>	<b>Source</b>	<b>Project Description</b>
Slovenian Appliances Manufacturer	27/Apr/17	OPEN	Direct – Hannover Messe	Leading manufacturer of larger home appliances in Slovenia. They are interested in entering the North American possibly through a merger with an existing Canadian company.
Latvian Business Development	28/Apr/17	OPEN	Direct – Hannover Messe	The company supports businesses in Latvia that are trading internationally as well as seeking partners overseas. They are planning a delegation tour with about 10 of their companies for next year March/April.
Robotized Material Handling Systems	08/May-17	OPEN	Direct – Interpack	This company from Finland innovates, engineers and manufactures robotized material handling systems. Interested in opening facility in GTA versus original plan of USA. Came to Durham in June and plan to return in August with CEO and Chairman to select location for sales and assembly facility as first phase. Eventually opening a manufacturing facility within 2 years.

<b>Project Name</b>	<b>Date of Inquiry</b>	<b>Status</b>	<b>Source</b>	<b>Project Description</b>
Plastic Processing	08/May-17	OPEN	Direct - Interpack	The company operates in the field of plastic processing. They currently have a North American presence through a sales office in the City of Toronto and are expecting to expand their manufacturing line within the next 2 years which will include warehouse, production and logistics.
Health Packaging	09/May-17	OPEN	Direct – Interpack	The company is a leading global partner to the pharma and healthcare industry. Interested in exploring Canada, specifically the GTA.
Food Packaging	09/May/17	OPEN	Direct – Interpack	The company has introduced a new and innovative dispenser for standard fresh produce bags, specially designed and crafted for supermarket shelves. The company has contacts and sales in Canada and are considering expanding here.

Project Name	Date of Inquiry	Status	Source	Project Description
Packaging Solutions	09/May/17	OPEN	Direct – Interpack	The company offers solutions for bag filling, pallet loading, bag emptying and handling of powders and granules. They are considering how to expand into international markets, with North America being the priority.
Greek Packaging Company	10/May/17	OPEN	Direct – Interpack	The company specializes in various kinds of packaging including food, non-food, decorative and promotional. They have warehouses across Europe and are now looking to establish themselves in North America.
Innovative Food Inspection Systems	10/May/17	CLOSED	Direct - Interpack	The company specializes in cutting-edge technology from the pharmaceutical and packaging markets, to delivering systems that increase business productivity, while minimizing downtime. The company recently found a distributor in Mississauga.

<b>Project Name</b>	<b>Date of Inquiry</b>	<b>Status</b>	<b>Source</b>	<b>Project Description</b>
Water Servicing Company	26/May/17	OPEN	Century21	Company interested in warehouse sites with outside storage in Durham.
Cable Manufacturers	29/5/17	OPEN	Direct - China	Cable manufacturer looking for 22,000 sq. ft. warehouse/manufacturing facility with 2,100 sq. ft. office area. Coming to Durham in August with intent of signing a lease. Expected to hire 35 people to start.
Marina Project	29/May/17	OPEN	Direct - China	Investor interested in responding the RFP for the revitalization of the Oshawa Marina.
Business Park Investor	29/May/17	OPEN	Direct - China	Investor in Cleeve Technologies interested in developing small business park to support Chinese manufacturing companies looking to get into North American Market
Power-reduction for air conditioning	30/May/17	OPEN	Direct - China	Company in interested in the North American energy market with potential of opening facility.

<b>Project Name</b>	<b>Date of Inquiry</b>	<b>Status</b>	<b>Source</b>	<b>Project Description</b>
ABS Braking System	30/May/17	OPEN	Direct - China	Company is interested in finding distributor for their ABS Braking system
Beijing Future Science Park	2/June/17	OPEN	Direct – China	Recipicol visit to sign formal MOU between Spark Centre and the Beijing Future Science Park including free dedicated office space for Spark Centre. Planning underway to continue to build and develop the partnership.
Data Exchange Services	6/Jun/17	OPEN	Direct - Automechanika	Serves the automotive aftermarket through WorkshopData; a database of multilingual automotive OEM based data for cars, light commercial vehicles and heavy trucks. Company is interested in touring Durham in the future.
Tooling Solutions	7/Jun/17	OPEN	Direct - Automechanika	The company designs and manufactures tooling. They serve a widespread client base across Europe, Scandinavia, Singapore and Malaysia. They are interested in R&D in Canada.



<b>Project Name</b>	<b>Date of Inquiry</b>	<b>Status</b>	<b>Source</b>	<b>Project Description</b>
Automotive Remanufacturer	8/Jun/17	OPEN	Direct - Automechanika	Company supplies remanufactured and new parts to the automotive sector. They are Interested in learning more about lease rates in Ontario.
Unknown	08/Jun/17	OPEN	Direct	Durham resident contacted the office on behalf of brother-in-law in Pakistan. He is interested in opening a pharmaceutical packaging company in the GTA. Looking for facility of 1,000 sq. ft. with around 20 employees. Has contacted other regions in GTA as well, including Mississauga.
Unknown	23/Jun/17	OPEN	Gottardo Group	Their client is seeking to build a distribution centre in Durham and they are looking for 40 acres of land with easy access to highway.

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<b>Project Name</b>	<b>Date of Inquiry</b>	<b>Status</b>	<b>Source</b>	<b>Project Description</b>
Recycling Plastic Project	27/Jun/17	OPEN	Direct - China	The Chinese company recycles various plastics, including PET bottles. They are interested in investing in Durham. They are looking for 30,000 sq. ft. to 50,000 sq. ft. for their facility (first phase) and expect to hire 15 people.

## Appendix 2: Investment Missions (Q2 2017)

<b>Mission</b>	<b>Purpose</b>	<b>Partner</b>	<b>Leads</b>	<b>Prospects</b>
Society of Automotive Engineers Show (Detroit)	Investment	None	12	6
Investment Mission to China (Shanghai, Wuxi, Nanjing, Beijing)	Investment	Spark Centre	7	6
Hannover Messe Trade Show (Hannover, Germany)	Investment	OMCA	43	5
Interpack Fair (Dusseldorf, Germany)	Investment	None	31	7
Automechanika Tradeshow (Birmingham, UK)	Investment	OMCA	18	3

## Appendix 3: Investor Visits (Q2 2017)

<b>Company</b>	<b>Month</b>	<b>Outline Program</b>	<b>Outcome</b>
Plastic Processing	June	Provided Durham proposal and discussed Durham's advantages, including industrial and office space, financial incentives, labour force and transportation routes.	The company is interested in visiting Durham in the near future once their client negotiations are finalized.
Robotized Material Handling Systems	June	Provided information on Durham Region including cost advantage, labour force and Sparks Centre. Staff spent day touring residential and manufacturing sites in Durham.	Sales Director will be returning to Durham with CEO and Chairman in August with intent of signing lease for assembly and warehouse facility. Approximately 20 jobs.
Chinese Investor	June	Arranged meeting to view available land in Bowmanville.	Same businessman who invested \$10million in Cleeve Technologies in Oshawa is negotiating for 37 acres on Lake Rd. in Bowmanville. They plan to develop a business park.

## Appendix 5: Inbound Delegation (Q2 2017)

<b>Delegation</b>	<b>Month</b>	<b>Purpose</b>	<b>Outcome</b>
Canadian-Chinese Delegation	June	Delegation was interested in learning about development projects in Durham Region.	The group of investors are seeking developmental projects in Durham Region but would be open to any large scaled investment opportunities.



Corporate Services Department  
City Clerk Services

SENT TO ALL AREA MUNICIPALITIES VIA EMAIL

File: A-2100

August 24, 2017

**DELIVERED BY E-MAIL**

(clerks@durham.ca)

Ralph Walton, Regional Clerk/Director of Legislative Services  
Regional Municipality of Durham

Re: Protecting the Automotive Sector During Upcoming North American Free Trade Agreement Negotiations

Please be advised that City Council considered the above noted matter at their Council meeting held on August 22, 2017 and adopted the following resolution:

“Whereas the auto sector directly employs over 101,000 people in Ontario, and indirectly supports the creation of more than 300,000 good jobs in communities nationwide; and,

Whereas the automotive industry represents Canada’s largest manufacturing sector, Ontario’s chief export and the economic lifeblood of hundreds of Canadian communities; and,

Whereas a thriving auto sector is an important part of the Region of Durham’s and Oshawa’s economy, stimulating growth, innovation, and good, high-paying jobs; and,

Whereas Canada’s auto sector has been deeply integrated with the United States auto sector since the early-20th century, as indicated by the 1965 Canada-US Auto Pact; and,

Whereas the North American Free Trade Agreement (NAFTA) governs nearly every aspect of the Canadian and United States’ economic relationship, including the import and export of auto parts and vehicles; and,

Whereas any change to the established trade relationship between Canada and the United States could have enormous consequences for workers and consumers on both sides of the border; and,

Whereas in 2016 the governments of Ontario and Michigan signed a Memorandum of Understanding calling for increased cooperation and partnership between their two automotive sectors; and,

Whereas the United States has announced its intent to renegotiate NAFTA; and,

Whereas a thriving automotive sector is important for Canada's economic future and the Region of Durham's and Oshawa's local economy;

Therefore, be it resolved:

1. That the City join with municipal Councils across Canada in calling on the federal government to make the protection and growth of Canada's automotive sector a key priority in the upcoming NAFTA negotiations; and,
2. That Mayor Henry send a letter to Prime Minister Justin Trudeau, Premier Kathleen Wynne and Durham Region MPs reinforcing these concerns; and,
3. That Durham Region MPs ensure they are part of parliamentary auto caucus in order to advocate for the wellbeing of Canada's automotive sector at the federal level; and,
4. That a copy of this resolution be sent to the Region of Durham, all Durham Region area municipalities, the Federation of Canadian Municipalities, the Association of Ontario Municipalities; all Durham Region MPs and MPPs, the President of General Motors Canada and UNIFOR."

By copy of this letter, I am advising the parties named in the above resolution of Oshawa Council's decision.

If you need further assistance concerning the above-referenced matter, please contact Warren Munro, Director, Planning Services at the address below or by email at [wmunro@oshawa.ca](mailto:wmunro@oshawa.ca).



Mary Medeiros  
Manager, Support Services/Acting City Clerk

/daj

- c: C. Caesar-Chavannes, MP – Whitby  
C. Carrie, MP – Oshawa  
M. Holland, MP – Ajax  
J. O'Connell, MP - Pickering-Uxbridge  
E. O'Toole, MP – Durham  
K. Rudd, MP – Northumberland-Peterborough South  
J. Dickson, MPP – Ajax-Pickering  
G. Anderson, MPP – Durham  
J. French, MPP- Oshawa  
T. MacCharles, MPP – Pickering-Scarborough East  
L. Scott, MPP, Haliburton-Kawartha Lakes-Brock  
L. Coe, MPP, Whitby-Oshawa  
J. Gerbasi, President, Federation of Canadian Municipalities  
L. Dollin, President, Association of Municipalities of Ontario  
J. Dias, President, UNIFOR  
S. K. Carlisle, President and Managing Director, General Motors of Canada Company



AUG 21 11:17 AM 0135

**CLERK SERVICES**

SENT VIA EMAIL & MAIL SERVICES  
m.walters@lsrca.on.ca

August 11, 2017

Lake Simcoe Region Conservation Authority  
120 Bayview Parkway  
Newmarket, ON L3Y 3W3

Attention: Mr. Mike Walters, CAO

Re: Township of Ramara

Original
To: CWP
Copy
To:
C.C. S.C.C. File
Take Appr. Action

Please be advised that Council for the Town of Innisfil considered correspondence from the Lake Simcoe Region Conservation Authority dated June 29, 2017 and supporting correspondence from the Town of Whitchurch-Stouffville dated July 25, 2017 regarding the Township of Ramara's wishes to no longer be a LSRCA member on August 9, 2017.

In accordance with Council Resolution No. 2017.08.09-CR-02 Council received the correspondence from the LSRCA and the Town of Whitchurch-Stouffville; and

WHEREAS the Lake Simcoe Region Conservation Authority (LSRCA) has advised its member municipalities that the Township of Ramara has advised that it no longer wishes to be an LSRCA member, and that it is appealing the 2017 LSRCA levy apportionment to the Ontario Mining and Lands Commissioner; and

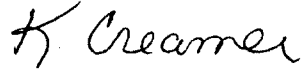
WHEREAS it is LSRCA's position that the Township of Ramara be held accountable for its fair and equitable share towards the provincially mandated programs being delivered by LSRCA.

THEREFORE BE IT RESOLVED THAT the Town of Innisfil is in full support of the Lake Simcoe Region Conservation Authority in its quest to hold the Township of Ramara accountable for its fair and equitable share towards the provincially mandated programs being delivered by LSRCA; and

FURTHER THAT Council requests that the Township of Ramara re-consider their current position with respect to membership and payment of the allotted share of the levy until such time as the Mining and Lands Commissioner determines otherwise.



Yours truly,



Kim Creamer,  
Assistant Clerk  
705-436-3740 Ext. 2410  
[kcreamer@innisfil.ca](mailto:kcreamer@innisfil.ca)

cc: All LSRCA Municipalities  
Mayor, Deputy Mayor & Members of Council

## Action Items Committee of the Whole and Regional Council

Meeting Date	Request	Assigned Department(s)	Anticipated Response Date
September 7, 2016 Committee of the Whole	Staff was requested to provide information on the possibility of an educational campaign designed to encourage people to sign up for subsidized housing at the next Committee of the Whole meeting. (Region of Durham's Program Delivery and Fiscal Plan for the 2016 Social Infrastructure Fund Program) (2016-COW-19)	Social Services / Economic Development	October 5, 2016
September 7, 2016 Committee of the Whole	Section 7 of Attachment #1 to Report #2016-COW-31, Draft Procedural By-law, as it relates to Appointment of Committees was referred back to staff to review the appointment process.	Legislative Services	First Quarter 2017
October 5, 2016 Committee of the Whole	That Correspondence (CC 65) from the Municipality of Clarington regarding the Durham York Energy Centre Stack Test Results be referred to staff for a report to Committee of the Whole	Works	
December 7, 2016 Committee of the Whole	Staff advised that an update on a policy regarding Public Art would be available by the Spring 2017.	Works	Spring 2017
January 11, 2017 Committee of the Whole	Inquiry regarding when the road rationalization plan would be considered by Council. Staff advised a report would be brought forward in June.	Works	June 2017
January 18, 2017	In light of the proposed campaign self-contribution limits under Bill 68 and the recent ban on corporate donations which will require candidates for the elected position of Durham Regional Chair to raise the majority of their campaign funds from individual	Legislative Services	Fall 2017

Meeting Date	Request	Assigned Department(s)	Anticipated Response Date
	donors, staff be directed to prepare a report examining the potential costs and benefits of a contribution rebate program for the Region of Durham.		
March 1, 2017 Committee of the Whole	Staff was directed to invite the staff of Durham Region and Covanta to present on the Durham York Energy Facility at a future meeting of the Council of the Municipality of Clarington.	Works	
March 1, 2017 Committee of the Whole	Staff was requested to advise Council on the number of Access Pass riders that use Specialized transit services.	Finance/DRT	March 8, 2017
March 1, 2017 Committee of the Whole	A request for a report/policy regarding sharing documents with Council members.	Corporate Services - Administration	Prior to July 2017

<b>Meeting Date</b>	<b>Request</b>	<b>Assigned Department(s)</b>	<b>Anticipated Response Date</b>
<p>May 3, 2017 Committee of the Whole</p>	<p>Discussion ensued with respect to whether data is collected on how many beds are created through this funding; and, if staff could conduct an analysis of the Denise House funding allocation to determine whether an increase is warranted. H. Drouin advised staff would investigate this and bring forward this information in a future report.</p>	<p>Social Services</p>	
<p>May 3, 2017 Committee of the Whole</p>	<p>Discussion ensued with respect to whether staff track the job loss vacancies in Durham Region, in particular the retail market. K. Weiss advised that staff will follow-up with the local area municipalities and will report back on this matter.</p>	<p>Economic Development &amp; Tourism</p>	