

If this information is required in an accessible format, please contact The Regional Municipality of Durham at 1-800-372-1102 extension 3560.



March 17, 2017

Celeste Dugas, Manager, York Durham District Office
Ministry of the Environment and Climate Change
230 Westney Road South, 5th Floor
Ajax, ON L1S 7J5

Dear Ms. Dugas:

**RE: Durham York Energy Centre
Response to Ministry of the Environment and Climate Change Comments
on the 2015 Soil Testing Report
MOECC File #: EA-08-02**

In response to your letter dated February 16, 2017, regarding the Durham York Energy Centre (DYEC) 2015 Soil Testing Report comments submitted to the Ministry of the Environment and Climate Change (MOECC) on September 16, 2016, the Regional Municipalities of Durham and York (Regions) offer the following summary responses below.

1. Discrete Soil Samples from Subplots

The Regions and their consultant will carry out the soil testing as prescribed in the Soil Testing Plan. No changes to the soil testing plan are required at this time.

2. Use of Acetone and Hexane Wash

For all future soil sampling events, soil probes will be treated with acetone followed by hexane after being cleaned with detergent and de-ionized water or equivalent, to mitigate cross contamination.

3. Potential Off-Site Sources

Additional comparison of the data to natural background concentrations for dioxins and furans was included in the subsequent 2016 Soil Testing Report. This comparison, shown in Figure 5 of the 2016 report (enclosed), depicts how the slight variations of

concentrations still remain within the natural concentration range for the surrounding area; which were identified as part of the Environmental Approval process, prior to the facility being constructed; and the concentrations for the routine soil sampling program are similar to the geometric mean for the area. A similar comparison can be undertaken for other soil contaminants which the MOECC may identify in the future.

If you require any further information, please contact Mr. Gioseph Anello, Manager of Waste Planning and Technical Services, at 905-668-7711 extension 3445.

Sincerely,

Mirka Januszkiewicz, P.Eng.
Director, Waste Management

The Regional Municipality of Durham
905.668.4113 ext. 3464
Mirka.Januszkiewicz@durham.ca

Laura McDowell, P.Eng.
Director, Environmental Promotion
and Protection

The Regional Municipality of York
905.830.4444 ext. 5077
Laura.McDowell@york.ca

- c. T. Dufresne, Director (Acting), Central Region, MOECC
K. Hedley, Director, Environmental Approvals Branch, MOECC
R. Lashbrook, Manager, Technical Support Section, MOECC
S. Thomas, Issues Project Coordinator, York Durham District Office, MOECC
P. Dunn, Senior Environmental Officer, York Durham District Office, MOECC
P. Martin, Supervisor, Air, Pesticides, and Environmental Planning, MOECC
E. O'Leary, Environmental Resource Planner & EA Coordinator, Air, Pesticides, and
Environmental Planning, MOECC
G. Battarino, Special Project Officer (Acting), Project Coordination – Team 1, MOECC

Encl.

FIGURE 5
TIME CONCENTRATION GRAPH - Total PCDDs and PCDFs

