

Ministry of the Environment,
Conservation and Parks
Central Region
York Durham District Office
230 Westney Road South, 5th Floor
Ajax ON L1S 7J5
Toll-Free : 1-800-376-4547
Telephone.: 905-427-5600
Fax: 905-427-5602

Ministère de l'Environnement, de la
Protection de la nature et des Parcs
Région du Centre
Bureau de district de York Durham
230 route Westney sud, 5^e étage
Ajax ON L1S 7J5
Sans frais : 1-800-376-4547
Téléphone : 905 427-5600
Télécopieur : 905 427-5602



October 31, 2018

Gioseph Anello, MEng, PEng, PMP
Manager of Waste Planning & Technical Services
The Regional Municipality of Durham
605 Rossland Road East
Whitby ON L1N 6A3

**Re: Durham York Energy Centre
Ambient Air Monitoring Program
Dioxin and Furan Exceedance at Courtice Station – May 26, 2018**

The ministry has completed a review of the letter from Stantec Consulting Ltd., dated July 31, 2018, regarding the dioxin and furan exceedance at the Courtice ambient air monitoring station.

On May 26, 2018, a dioxin and furan concentration of 0.109 pg (picogram)/m³ was recorded at the Courtice station. The result was 9% above the Ambient Air Quality Criteria of 0.1 pg/m³. Elevated dioxin and furan concentrations were also detected at the Rundle Road station (0.091 pg/m³) and at the Crago Road station (0.098 pg/m³) for the same monitoring period.

The ministry completed a data validation review and toxicological assessment of the dioxin and furan results. The dioxin and furan results are deemed to be valid based on a review of the laboratory analysis and the recorded air flows. The toxicological review concluded no adverse effects would be expected based on the reported concentrations.

During the monitoring period the predominant winds were blowing from the southwest and west which places the Courtice station upwind of the Durham York Energy Centre. A potential source of the elevated dioxin and furan concentrations could not be determined due to light winds and low mixing/dispersion conditions.

If you have any questions please contact me at (905)427-5626, celeste.dugas@ontario.ca or Phil Dunn at (905)427-5627, philip.dunn@ontario.ca.

Yours truly,

A handwritten signature in black ink, appearing to read "Celeste Dugas".

Celeste Dugas
District Manager
York Durham District

c: L. Fortuna, Region of Durham
S. Dittman, Region of York
M. Neild, Covanta