

Ministry of the Environment,  
Conservation and Parks

Ministère de l'Environnement, de  
la Protection de la nature et des Parcs

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The Regional Municipality of Durham  
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Laura McDowell, P. Eng  
Director, Environmental Promotion and Protection  
The Regional Municipality of York  
17250 Yonge Street  
Newmarket ON L3Y 6Z1

**Re: Durham/York Energy from Waste Project  
Ambient Air Monitoring 2018, Third and Fourth Quarterly Reports  
MECP Comments – RWDI Response, May 28, 2019  
Notice of Approval, Condition 11**

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Dear Ms. Januszkiewicz and Ms. McDowell,

Technical Support Section has reviewed RWDI's response to the ministry's comments dated April 29<sup>th</sup>, 2019.

Based on the response and additional documentation provided, the continuous parameters are deemed to be valid with the exception of select NO/NO<sub>2</sub>/NO<sub>x</sub> hourly concentrations described below.

Based on the response and additional documentation provided, the non-continuous parameters for the third and fourth quarter are deemed to be valid.

The following additional comments are offered for your consideration.

#### Continuous Parameters

1. The submitted NO<sub>2</sub> hourly data has been edited using the proposed NO and NO<sub>x</sub> correction algorithm summarized in the RWDI January 18<sup>th</sup>, 2019 letter. However, there are 26 hourly measurements between December 12<sup>th</sup> and December 28<sup>th</sup>, 2018 at

Courtice Station and 19 hourly measurements between December 28<sup>th</sup> and December 31<sup>st</sup>, 2018 at Rundle Station where the reported NO<sub>x</sub> concentration does not add up to the sum of the NO and NO<sub>2</sub> concentrations. Observed differences between NO<sub>x</sub> and the sum of NO and NO<sub>2</sub> during this time ranges from 5 to 26.3. Therefore, these hourly values should be invalidated.

#### Non-Continuous Parameters

1. Regarding MECP Comment #4, please note that the ministry's expectations are that the Hi-Volume samplers operate a flow of 40 cfm +/-10% as per the ministry's Operations Manual for Air Quality Monitoring in Ontario (2018). Moving forward, future samples operating outside of this range will be considered invalid.

Thank you for the opportunity to comment. If there are any technical questions or concerns regarding these comments, please contact Amanda Graham, Air Quality Analyst at (416) 326-5745.

Sincerely,



Emilee O'Leary  
Regional Environmental Assessment Coordinator  
Central Region, Technical Support Section

cc: Amanda Graham, Air Quality Analyst, Technical Support Section, Central Region, MECP  
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