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May 14, 2015  
File: 160950528

**Attention: Mr. Greg Borchuk, P.Eng.**  
**Project Manager, EFW**  
**Waste Management Services**

The Region of Durham  
605 Rossland Rd.,  
Whitby, ON L1N 6A3

Dear Mr. Borchuk,

**Reference: Q1 2015 Ambient Air Quality Monitoring Report for the Durham York Energy Centre**

Please find attached with this letter the Q1 2015 quarterly report for the Durham York Energy Centre (DYEC).

The quarterly reports for the DYEC monitoring are prepared to present monitoring data to the MOECC. The MOECC requires that several statistics, including maximum levels, be presented in these reports, but does not require 98<sup>th</sup> percentile values to be included in quarterly reports. Regional Council has requested that 98<sup>th</sup> percentile PM<sub>2.5</sub> data also be provided along with the quarterly reports, which is provided in Table 1 below. A comparison to the Canadian Ambient Air Quality Standard (CAAQS) for PM<sub>2.5</sub> requires averaging the 98<sup>th</sup> percentile daily average levels in each of three consecutive years. The values presented in Table 1 correspond to the 98<sup>th</sup> percentile in the first year of PM<sub>2.5</sub> measurements and the 98<sup>th</sup> percentiles for the subsequent 9 months of data for the second year of the three year averaging period. One year and 3-months of additional data will be required in order to provide an explicit comparison to the current CAAQS criteria of 30 µg/m<sup>3</sup>.



May 14, 2015  
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**Table 1 Summary of the 98th Percentile Daily Average PM<sub>2.5</sub> Concentrations Measured to Date (µg/m<sup>3</sup>)**

Period	Courtice Monitoring Station	Rundle Road Monitoring Station
June 2013 - June 2014 (Year 1)	22.6	23.5
July 2014 - March 2015	25.1	26.6

Regards,

**STANTEC CONSULTING LTD.**

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