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May 12, 2016  
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 2016 Ambient Air Quality Monitoring Report for the Durham York Energy Centre**

Please find attached with this letter the Q1 2016 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.

Please note that for explicit comparison to the CAAQS for PM<sub>2.5</sub>, use of annual data based on calendar years is required, rather than annual periods based on the start of the monitoring presented in Table 1. Also, to be statistically significant, a minimum of 2-years of data is required for an initial comparison, with 3-years of data required for explicit comparison. Therefore, the data in Table 1 should be considered preliminary and is included to provide an initial indication of ambient PM<sub>2.5</sub> levels with respect to the CAAQS until 3-calendar years of data have been collected.



May 12, 2016  
Mr. Greg Borchuk, P.Eng.  
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Page 2 of 2

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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 – June 2015 (Year 2)	23.4	26.6
July 2015 – March 2016	26.8	27.4

Regards,

**STANTEC CONSULTING LTD.**

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