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June 13, 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: 2015 Annual Ambient Air Quality Monitoring Report for the Durham York Energy Centre  
- Crago Road Station**

Please find attached with this letter the 2015 annual report for the Durham York Energy Centre (DYEC) Crago Road Station.

Regional Council has requested that 98<sup>th</sup> percentile PM<sub>2.5</sub> data also be provided along with the quarterly and annual 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 calendar years. The values presented in Table 1 corresponds to the 98<sup>th</sup> percentile over the first year of monitoring at this station (November 2014-October 2015) and the first 2-months (November and December 2015) of the second year. An additional one year and 9-months of additional data will be required in order to provide an explicit comparison to the current CAAQS criteria of 28 µg/m<sup>3</sup>. Please note that for explicit comparison to the CAAQS for PM<sub>2.5</sub>, use of annual data based on full calendar years is required, rather than the 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.



June 13, 2016  
Mr. Greg Borchuk, P.Eng.  
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**Table 1 Summary of the 98<sup>th</sup> Percentile Daily Average PM<sub>2.5</sub> Concentrations Measured to Date (µg/m<sup>3</sup>)**

Period	Crago Road Monitoring Station
November 2014 – October 2015 (Year 1)	20.5
November 2015 – December 2015 (2-months of data)	42.9 <sup>1</sup>

Notes: 1 – the 98<sup>th</sup> percentile of two months of measurement data is not comparable to the CAAQS

Regards,

**STANTEC CONSULTING LTD.**

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