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August 6, 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: Q2 2015 Ambient Air Quality Monitoring Report for the Durham York Energy Centre

Please find attached with this letter the Q2 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 98th percentile values to be included in quarterly reports. Regional Council has requested that 98th percentile PM_{2.5} 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_{2.5} requires averaging the 98th percentile daily average levels in each of three consecutive years. The values presented in Table 1 correspond to the 98th percentile in the first year of PM_{2.5} measurements and the 98th percentiles for the second year of the three year averaging period. One year of additional data will be required in order to provide an explicit comparison to the current CAAQS criteria of 28 µg/m³.



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Page 2 of 2

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Table 1 Summary of the 98th Percentile Daily Average PM_{2.5} Concentrations Measured to Date (µg/m³)

| Period | Courtyce 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 |

Regards,

STANTEC CONSULTING LTD.

ORIGINAL SIGNATURE ON FILE

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