

June 22, 2018
 File: 160950528

Attention: Mr. Christian Shelepuk, Supervisor, Waste Management Services (Compliance)

The Regional Municipality of Durham
 1835 Energy Drive
 Clarington, ON L1E 2R2

Dear Mr. Shelepuk,

Reference: Q1 2018 Ambient Air Quality Monitoring Report for the Durham York Energy Centre – Crago Road Station

Please find attached with this letter the Q1 2018 quarterly report for the Durham York Energy Centre (DYEC) Crago Road Station. This quarterly report provides a summary of the measurements collected at this station during January to March 2018 (calendar Quarter 1 of 2018).

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 calendar years. With the completion of monitoring in 2017, three calendar years of monitoring data are now available (2015-2017) and are presented in Table 1 for comparison to the 24-hour PM_{2.5} CAAQS. For this three-year period, the measured PM_{2.5} level at the Crago Road Station was below the 24-hour PM_{2.5} CAAQS of 28 µg/m³.

Annual average PM_{2.5} concentrations are provided in Table 2. As with the 24-hour CAAQS for PM_{2.5}, an explicit comparison to the annual PM_{2.5} CAAQS also requires annual data based on three consecutive calendar years, which is now available for 2015-2017. The Crago Road Station measured 3-year annual average concentration was below the annual PM_{2.5} CAAQS of 10 µg/m³.

The 3-month average concentrations for the first quarter of 2018 are also presented in Tables 1 and 2, however, these quarterly values should not be explicitly compared to the CAAQS.

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

Period	Crago Road Monitoring Station
2015	22.7
2016	22.6
2017	15.1
Three Year Average (2015 - 2017)	20.1
January – March 2018 ¹	18.0

Note:

1. As only 3 months of data are presented, this data is not comparable to the CAAQS

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Table 2: Summary of the Annual Average PM_{2.5} Concentrations (µg/m³) to Date

Period	Crago Road Monitoring Station
2015	7.3
2016	6.6
2017	5.6
Three Year Average (2015 - 2017)	6.5
January – March 2018 ¹	5.6

Note:

1. As only 3 months of data are presented, this data is not comparable to the CAAQS

We trust the above is in order. Please do not hesitate to contact the undersigned if you have any questions.

Regards,

Stantec Consulting Ltd.



Gregory Crooks M.Eng., P.Eng.
Principal, Environmental Services

Phone: (416) 598-7687

Fax: (416) 596-6680

Gregory.Crooks@stantec.com

- c. Gio Anello, Regional Municipality of Durham
- Lyndsay Waller, Regional Municipality of Durham
- Luis Carvalho, Regional Municipality of York
- Seth Dittman, Regional Municipality of York
- Connie Lim, Toni Zbieranowski, Kim Ireland, Stantec

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