REPORT

# DURHAM YORK ENERGY CENTRE

COURTICE, ONTARIO

## 2020 Q1 AMBIENT AIR QUALITY MONITORING REPORT

RWDI #1803743

May 14, 2020

**SUBMITTED TO:**

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**Regional Clerk or Designate,**

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# 1 INTRODUCTION

RWDI AIR Inc. (RWDI) was retained by Durham Region and York Region (the Regions) to conduct discrete and continuous air quality ambient monitoring at the Durham York Energy Centre (DYEC) monitoring stations. The facility address is 1835 Energy Drive, Clarington, Ontario. The DYEC is a facility that manages post diversion municipal solid waste from Durham Region and York Region to create energy from waste combustion. Commercial operation of the DYEC commenced on February 1, 2016. The site location is shown below in Figure 1.

Condition 11 of the Environmental Assessment Notice of Approval and Condition 7(4) of the Environmental Compliance Approval (ECA) requires ambient air monitoring to be undertaken by the DYEC. An Ambient Air Monitoring and Reporting Plan was prepared and approved by the Ministry of Environment, Conservation and Parks (MECP) to satisfy these conditions. Two (2) monitoring stations were established to monitor ambient air quality around the DYEC and quantify the background ambient air quality levels and DYEC contributed emissions to ambient air quality levels.

This monitoring plan was developed based on the Regional Council mandate to provide ambient monitoring in the area of the DYEC. The purposes of the ambient monitoring program are to:

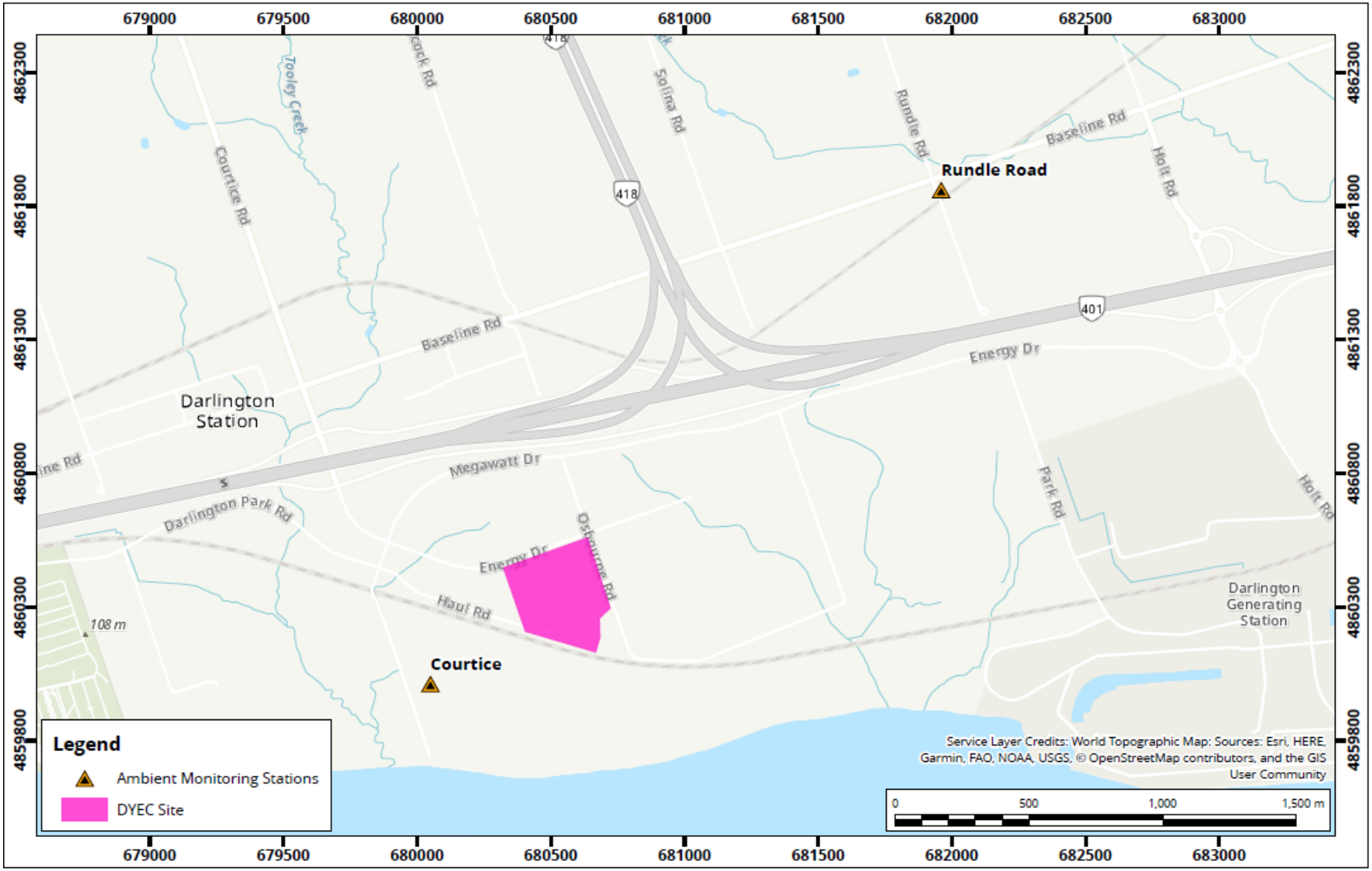
- Quantify any measurable ground level concentrations resulting from emissions from the DYEC cumulative to local air quality, including validating the predicted concentrations from the dispersion modelling conducted in the Environmental Assessment (2009a);
- Monitor concentration levels of EFW-related air contaminants in nearby residential areas; and,
- Quantify background ambient levels of air contaminants in the area.

The facility has two (2) monitoring stations which collect continuous and discrete ambient measurements, known as the Courtice Station and Rundle Road Station. The station locations are shown in Figure 1. The Courtice and Rundle Road Stations were operational in May of 2013 and have been operated on behalf of the Region of Durham by Stantec Consulting Ltd. since that time up until July 31, 2018. RWDI has overseen the operation of the stations on behalf of the Region of Durham since August 1, 2018.

The Courtice and Rundle Road Stations continuously monitor the following air quality parameters: Particulate Matter less than 2.5 microns (PM2.5), Nitrogen Oxides ($NO_X$) and Sulfur Dioxide ($SO_2$). In addition, both discretely monitor the following air quality parameters: Total Suspended Particulate (TSP), Metals, Dioxins and Furans (D&F) and Polycyclic Aromatic Hydrocarbons (PAHs).

Continuous meteorological data is collected at the Courtice and Rundle Road Stations. The Rundle Road Station collects the following meteorological parameters: wind speed, wind direction, ambient temperature, precipitation and relative humidity. The meteorological tower there, is approximately 10 meters tall. The Courtice Station collects the following meteorological parameters: ambient temperature, ambient pressure, precipitation and relative humidity. For purposes of this report, wind speed and wind direction data for the Courtice Station have been obtained from the adjacent Courtice Water Pollution Control Plant (WPCP) meteorological tower, which is approximately 20 meters tall.

Throughout this monitoring period, there was one (1) exceedance of the AAQC for Benzo(a) Pyrene which occurred on March 28$^{th}$ at the Rundle Road Station, one (1) exceedance of the rolling 10-minute AAQC for $SO_2$ at the Courtice Station on January 24$^{th}$ and four (4) exceedance events of the rolling 1-hour AAQC for $SO_2$ at the Courtice Station on January 24$^{th}$. Data recovery rates were acceptable and valid for all measured Q1 parameters.




**DYEC Site and Ambient Monitoring Station Locations**

True North

Drawn by: DJH | Figure: 1

Approx. Scale: 1:20,000

Date Revised: Apr 17, 2020

Map Projection: NAD 1983 UTM Zone 17N

DYEC - Region of Durham, Ontario

Project #: 1803743

## 1.1 Sampling Locations

The Station sites were selected in consultation with a working group that included representatives from the MECP, the Region of Durham, York Region, and the Energy from Waste Advisory Committee (EFWAC), as required by Condition 11.3 of the Environmental Assessment Notice of Approval. The Courtice Station is predominantly upwind of the DYEC and is located on the Courtice WPCP property just southwest of the DYEC. The Rundle Road Station is predominantly downwind of the DYEC and is located just southeast of the intersection of Baseline Road and Rundle Road just northeast of the DYEC. Pictures of the two (2) Stations are presented as Figure 2 and 3.

**Figure 2. Rundle Road Station**

**Figure 3. Courtice Station**

# 2 SAMPLING METHODOLOGY

The Rundle Road and Courtice Stations are both equipped with the following continuous monitors: Thermo Scientific Model 5030 SHARP (Synchronized Hybrid Ambient Real-time Particulate) monitor ($PM_{2.5}$ analyzer), Teledyne Nitrogen Oxides Analyzer Model T200 ($NO_X$ analyzer), and a Teledyne Sulfur Dioxide Analyzer Model T100 ($SO_2$ analyzer). Both Stations also have the following periodic monitors: High Volume (Hi-Vol) Air Sampler outfitted with a TSP inlet head as approved by the United States Environmental Protection Agency (U.S. EPA), and a Hi-Vol Air Sampler outfitted with a polyurethane foam plug and circular quartz filter for measuring PAH's and D&F's as approved by U.S. EPA.

## 2.1 Nitrogen Oxide Analyzers

The Teledyne T200 Nitrogen Oxide ($NO_X$) analyzers use chemiluminescence detection, coupled with microprocessor technology to provide sensitivity and stability for ambient air quality applications. The instrument determines real-time concentration of nitric oxide (NO), total nitrogen oxides ($NO_X$) (the sum of NO and $NO_2$), and nitrogen dioxide ($NO_2$). The amount of NO is measured by detecting the chemiluminescence reaction that occurs in the reaction cell when NO molecules are exposed to ozone ($O_3$). The NO and $O_3$ molecules collide in the reaction cell and enter a higher energy state. When these excited molecules return to a stable energy state, they emit a photon of light which is proportional to the amount of NO in the sample stream of gas entering the analyzer. To determine the total $NO_X$ ($NO+NO_2$) measurement, sample gas is periodically bypassed through a heated molybdenum converter cartridge that converts any $NO_2$ molecules in the sample stream into NO (any existing NO molecules in the stream remain as is). The instrument will switch the sample stream through the converter periodically and then through the reaction cell where the same chemiluminescence reaction occurs with ozone. The resultant response produced is now the sum of NO and converted $NO_2$ producing a $NO_X$ measurement. The resultant $NO_2$ determination is the $NO_X$ measurement subtracted from the NO measurement.

The $NO_X$ analyzers were zero and span checked daily using the internal zero and span (IZS) system and calibrated once a month using either EPA protocol span gases and a dilution system or an ESA permeation tube calibrator. Automatic IZS checks were performed on a daily basis commencing at approximately 1:45 and ending at 02:15. The checks consisted of a 10-minute zero check, a 10-minute span check and a 10-minute purge. These checks provide a way to monitor daily performance of the analyzer using an external charcoal and purafil zeroing cartridge for the zero, and an internal permeation oven with a permeation tube for the span. These IZS checks are not for calibration purposes but are merely a diagnostic tool to identify instrument drift.

The instrument collects data using its own data acquisition system (DAS) on a 5-minute interval. Data is collected from the instrument directly to an EnviDAS logger at 1-min, 5-min and 60-min intervals. The logger can be accessed remotely, and all instrument parameters can be examined as well as the measurement data. This allows the tracking of instrument performance. Data was also collected at 1-minute intervals by an external datalogger using analog output connections as a back-up. The measurement data was averaged using Envista processing software over a 1-hour and 24-hour period to compare to the applicable ambient air quality criteria.

## 2.2 Sulphur Dioxide Analyzers

The Teledyne T100 Sulphur Dioxide ($SO_2$) Analyzer is a microprocessor-controlled analyzer that determines the concentration of $SO_2$ in a sample gas drawn through the instrument. In the sample chamber, sample gas is excited by ultraviolet light causing the $SO_2$ to absorb energy from the light and move to an active state ($SO_2$*). These active $SO_2$* molecules must decay into a stable state back to $SO_2$, and when this happens a photon of light is released which is recognized by the instrument as fluorescence. The instrument measures the amount of florescence to determine the amount of $SO_2$ present in the sample gas.

The $SO_2$ analyzers were zero and span checked daily using the IZS system and calibrated once a month using either EPA protocol span gases and a dilution system or an ESA permeation tube calibrator. Automatic IZS checks were performed on a daily basis commencing at approximately 1:45 and ending at 02:15. The checks consisted of a 10-minute zero check, a 10-minute span check and a 10-minute purge. These checks provide a way to monitor daily performance of the analyzer using an external charcoal and purafil zeroing cartridge for the zero, and an internal permeation oven with a permeation tube for the span. These IZS checks are not for calibration purposes but are merely a diagnostic tool to identify instrument drift.

The instrument collects data using its own data acquisition system (DAS) on a 5-minute interval. Data is collected from the instrument directly to an EnviDAS logger at 1-min, 5-min and 60-min intervals. The logger can be accessed remotely, and all instrument parameters can be examined as well as the measurement data. This allows the tracking of instrument performance. Data was also collected at 1-minute intervals by an external datalogger using analog output connections as a back-up. The measurement data was averaged using Envista processing software over a 1-hour and 24-hour period to compare to the applicable ambient air quality criteria.

## 2.3 SHARP 5030 $PM_{2.5}$ Analyzers

The SHARP 5030 is a hybrid nephelometric/radiometric particulate mass monitor capable of providing precise, real-time measurements with a superior detection limit. The SHARP incorporates a high sensitivity light scattering photometer whose output signal is continuously referenced to the time-averaged measurement of an integral beta attenuating mass sensor. The SHARP also incorporates a dynamic inlet heating system designed to maintain the relative humidity of the air passing through the filter tape constant.

The SHARP is calibrated once a month to ensure accuracy and validity of its data. The $PM_{2.5}$ inlet head and sharp cut cyclone is cleaned monthly as well to ensure proper performance. The monthly calibration process consists of the following: zeroing the nephelometer if necessary, calibration of ambient temperature, calibration of barometric pressure, and calibration of the flow.

The instrument collects data using its own data acquisition system (DAS) on a 5-minute interval. Data is collected from the instrument directly to an EnviDAS logger at 1-min, 5-min and 60-min intervals. The logger can be accessed remotely, and all instrument parameters can be examined as well as the measurement data. This allows the tracking of instrument performance. Data was also collected at 1-minute intervals by an external datalogger using analog output connections as a back-up. The measurement data was averaged using Envista processing software over a 1-hour and 24-hour period to compare to the applicable ambient air quality criteria.

## 2.4 TSP High Volume Air Samplers

The Tisch TE-5170 Total Suspended Particulate (TSP) high volume (Hi-Vol) air samplers were outfitted with a TSP gabled inlet capable of collecting particulate of all aerodynamic diameters. Each Hi-Vol is equipped with a mass flow controller, which ensures a flow rate of 40 cubic feet per minute (CFM), a chart recorder for measuring cfm flow throughout the run time, an elapsed timer and a wheel timer for starting and stopping each sample. In the latter part of 2019, the pin-based wheel timer was modified with an automated relay system controlled by a data logger to toggle the sampler on and off, and the chart recorder system was replaced by a digital pressure transducer to record the blower output pressure. Teflon coated glass fibre filters are outfitted at the top of the hi-vol samplers where air is drawn through the filter, thereby collecting TSP. Each Hi-Vol is calibrated quarterly (every three months) to ensure accuracy and validity of the volume of air drawn through the sampler.

The Teflon coated glass fibre filter media was pre and post weighed by ALS Laboratories in Burlington, Ontario. The filters are then analyzed for total particulate weight, metals analysis and mercury.

## 2.5 Polyurethane Foam Samplers

The D&F, and PAH samples were collected using Tisch TE-1000 samplers, which are listed as reference devices for U.S. EPA Methods TO-9 and TO-13. The samplers use a collection filter that is ‘backed-up’ by a polyurethane foam (PUF) plug. The airborne compounds present in the particulate phase are collected on the Teflon coated glass fibre filter and any compounds present in the vapour phase are absorbed in the PUF plug. Each PUF sampler is equipped with a mass flow controller, which can sustain 8 CFM of flow over the sampling period, an elapsed timer and a wheel timer for starting and stopping each sample. In the latter part of 2019, the pin-based wheel timer was modified with an automated relay system controlled by a data logger to toggle the sampler on and off, and the chart recorder system was replaced by a digital pressure transducer to record the blower output pressure. Each PUF sampler is calibrated quarterly (every three months) to ensure accuracy and validity of the volume of air drawn through the sampler.

The filter and PUF media/glassware is proofed and analyzed by ALS Laboratories in Burlington, Ontario. The filters and PUF/XAD plugs are then analyzed for PAH’s and D&F’s.

## 2.6 Meteorological Towers

Meteorological data was collected from the Rundle Road and Courtice Stations. This is done so that a vector could be associated with the applicable contaminant concentrations. The Rundle Road and Courtice Stations are outfitted with a Campbell Scientific HMP60 Temperature / Relative Humidity probe, and a Texas Instruments TE525M rain gauge. Meteorological data was collected at 1-minute intervals and was averaged using Envista processing software over a 1-hour period.

# 3 AIR QUALITY CRITERIA AND STANDARDS

The monitored contaminant concentrations were compared to air quality criteria and standards set by the MECP and by Environment Canada. The MECP developed Ambient Air Quality Criteria (AAQCs) which are the maximum desirable concentrations in the outdoor air, based on effects to the environment and health (MECP, 2012). Not all contaminants have an applicable regulatory limit; therefore, other criteria were used for comparison. These included human health risk assessment (HHRA) criteria. New AAQC's for $SO_2$ were implemented in 2020, including a 10-minute rolling average AAQC of 67 ppb, a 1-hour rolling average AAQC of 40ppb and an annual AAQC of 4 ppb. There is no longer a 24-hour rolling average AAQC for $SO_2$.

Environment Canada has established a Canadian Ambient Air Quality Standard (CAAQS) which are health-based air quality objectives for the outdoor air (Environment Canada, 2013). The current CAAQS' for $PM_{2.5}$ are 27 µg/m$^3$ for the 3-year average of annual 98$^{th}$ percentile 24-hour concentration, and 8.8 µg/m$^3$ for the 3-year average of annual average concentrations (in effect as of 2020). The CAAQS' are listed in **Table 1**. No direct comparison to the 2020 CAAQS' is appropriate for this report, as the standards are only applicable to 3-year averaged data which is provided in the annual reports.

**Table 1. $PM_{2.5}$, $SO_2$ and $NO_2$ CAAQS' by Implementation Year**

| Parameter | Averaging Time | Year Applied | | Statistical Form |
|---|---|---|---|---|
| | | 2020 | 2025 | |
| **Fine Particulate Matter ($PM_{2.5}$)** | 24-hour | 27 | | The 3-year average of the annual 98th percentile of the daily 24-hour average concentrations |
| | | $\mu g/m^3$ | | |
| | Annual | 8.8 | | The 3-year average of the annual average of all 1-hour concentrations |
| | | $\mu g/m^3$ | | |
| **Sulphur Dioxide ($SO_2$)** | 1-hour | 70 | 65 | The 3-year average of the annual 99th percentile of the $SO_2$ daily maximum 1-hour average concentrations |
| | | ppb | ppb | |
| | Annual | 5 | 4 | The average over a single calendar year of all 1-hour average $SO_2$ concentrations |
| | | ppb | ppb | |
| **Nitrogen Dioxide ($NO_2$)** | 1-hour | 60 | 42 | The 3-year average of the annual 98th percentile of the daily maximum 1-hour average concentrations |
| | | ppb | ppb | |
| | Annual | 17 | 12 | The average over a single calendar year of all 1-hour average concentrations |
| | | ppb | ppb | |

(CCME,2019)

All applicable criteria and standards are shown in the 'Summary of Ambient Measurements' section of this report.

# 4 MECP AUDITS

There was no MECP audit during Q1.

# 5 SUMMARY OF AMBIENT MEASUREMENTS

Ambient air quality monitoring results for all contaminants sampled at the Courtice and Rundle Road Stations are discussed herein. Summary statistics from January 1, 2020 to March 31, 2020 are presented in a summary format below and in a more detailed matrix format in **Appendix A** for continuous measurements and **Appendix B** for discrete measurements.

## 5.1 Meteorological Station Results

### 5.1.1 Courtice Station Results

The Courtice Station collected the following meteorological parameters: relative humidity, ambient temperature, ambient pressure and precipitation. For purposes of this report, wind speed and wind direction data for the Courtice Station have been obtained from the adjacent Courtice Water Pollution Control Plant (WPCP) meteorological tower, which is approximately 20 meters tall. The Courtice Station maintained a minimum 99.9% of data collection for all of the parameters measured during Q1. Hourly statistics from the meteorological station are presented in **Table 2**. A wind rose showing trends in wind speed and wind direction during Q1 is provided in **Figure 4**.

**Figure 4. Wind Roses of Hourly Wind Speed and Wind Direction – January to March 2020**

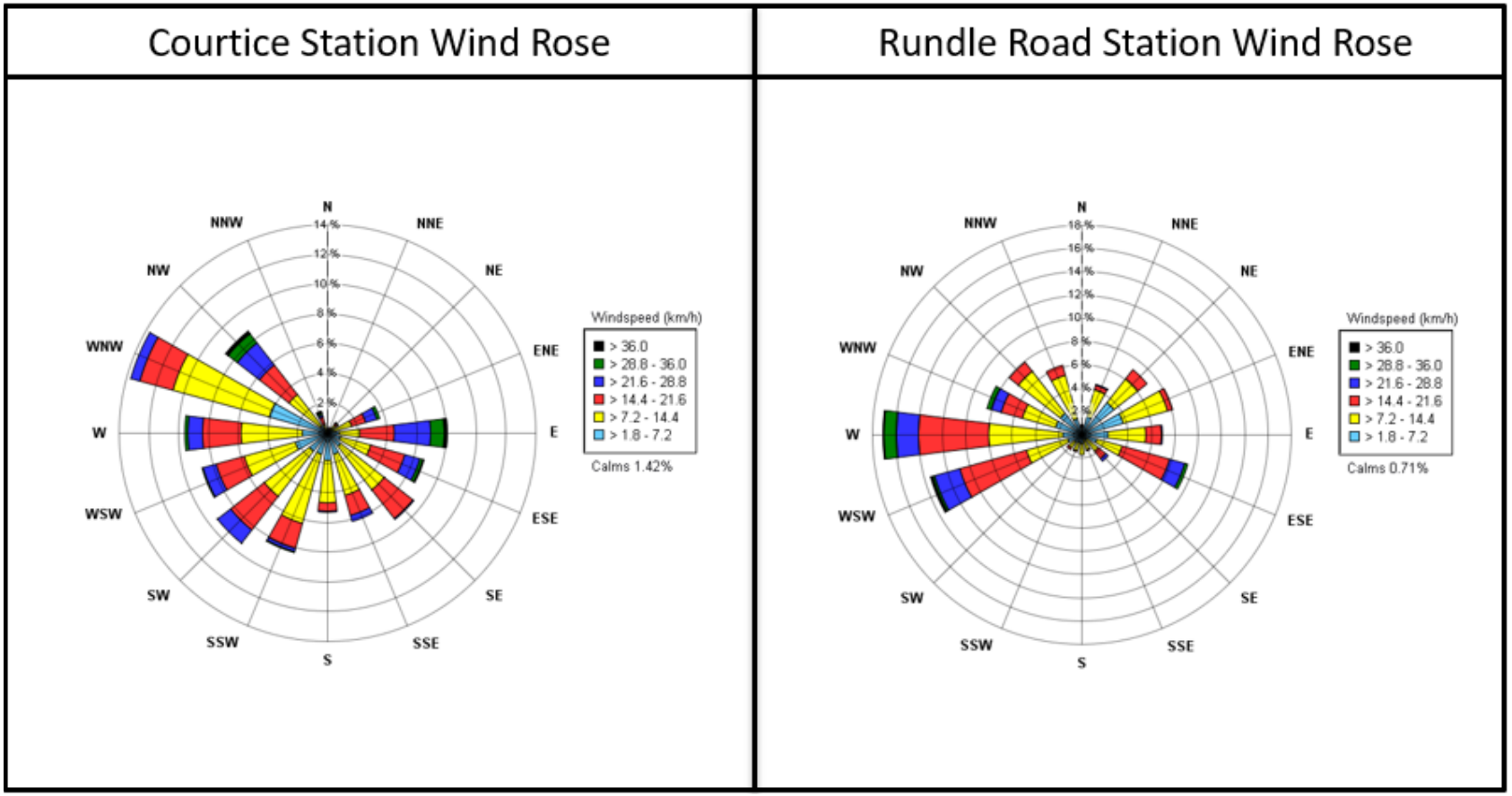


**Table 2: Hourly Statistics from the Courtice Station and WPCP (WS and WD) Meteorological Station**

| Courtice Station MET Statistics | Maximum 1 hr Mean | | | | | Minimum 1 hr Mean | | | | | Monthly Mean | | | | | Total | % valid hours | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | WS | Temp | RH | Pres | Rain | WS | Temp | RH | Pres | Rain | WS | Temp | RH | Pres | Rain | Rain | WS | WD | Temp | RH | Pres | Rain |
| Units | (km/hr) | (°C) | (%) | "Hg | mm | (km/hr) | (°C) | (%) | "Hg | mm | (km/hr) | (°C) | (%) | "Hg | mm | mm | (%) | | | | | |
| January | 37 | 11 | 97 | 30.6 | 5.4 | 1 | -16 | 42 | 29.2 | 0.0 | 13 | -1 | 73 | 29.8 | 0.2 | 130.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| February | 38 | 6 | 97 | 30.3 | 1.3 | 1 | -22 | 35 | 29.0 | 0.0 | 14 | -3 | 68 | 29.7 | 0.0 | 26.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| March | 38 | 13 | 97 | 30.4 | 5.3 | 0 | -15 | 25 | 29.1 | 0.0 | 14 | 3 | 70 | 29.8 | 0.1 | 104.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Q1 Arithmetic Mean | | | | | | | | | | | 14 | 0 | 70 | 29.8 | 0.1 | 261.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

## 5.1.2 Rundle Road Station Results

The Rundle Road Station collected the following meteorological parameters: wind speed, wind direction, relative humidity, ambient temperature and precipitation. The meteorological tower at the station is at a height of approximately 10 meters tall. The Rundle Road Station maintained a minimum 96.2% data collection for all of the meteorological parameters measured during Q1. Hourly statistics from the meteorological station is presented in **Table 3**. A wind rose showing trends in wind speed and wind direction during Q1 is provided in **Figure 4**.

**Table 3: Hourly Statistics from the Rundle Road Meteorological Station**

| Rundle Road Station MET Statistics | Maximum 1 hr Mean | | | | Minimum 1 hr Mean | | | | Monthly Mean | | | | Total | % Valid Hours | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | WS | Temp | RH | Rain | WS | Temp | RH | Rain | WS | Temp | RH | Rain | Rain | WS | WD | Temp | RH | Rain |
| Units | (km/hr) | (°C) | (%) | mm | (km/hr) | (°C) | (%) | mm | (km/hr) | (°C) | (%) | mm | mm | (%) | | | | |
| January | 32 | 11 | 99 | 6.4 | 0 | -19 | 44 | 0.0 | 12 | -2 | 77 | 0.2 | 116.1 | 100.0 | 96.2 | 100.0 | 100.0 | 100.0 |
| February | 39 | 7 | 99 | 2.0 | 0 | -23 | 32 | 0.0 | 12 | -3 | 70 | 0.0 | 21.9 | 100.0 | 98.9 | 100.0 | 100.0 | 100.0 |
| March | 34 | 15 | 99 | 5.2 | 0 | -17 | 26 | 0.0 | 12 | 2 | 73 | 0.1 | 82.2 | 100.0 | 96.2 | 100.0 | 100.0 | 100.0 |
| Q1 Arithmetic Mean | | | | | | | | | 12 | -1 | 73 | 0.1 | 220.2 | 100.0 | 97.1 | 100.0 | 100.0 | 100.0 |

## 5.2 $NO_X$, $SO_2$ and $PM_{2.5}$ Summary Table Results

**Table 4** provides a summary of Maximum 1-hour Rolling Means, Maximum 24-hour Rolling Means, Monthly Means, Quarterly Means and Percent valid data for the Courtice Station. **Table 5** provides a summary of Maximum 1-hour Means, Maximum 24-hour Means, Monthly Means, Quarterly Means and Percent valid data for the Rundle Road Station. **Table 6** provides a summary of exceedance statistics for both Courtice and Rundle Road Stations. There was one (1) exceedance event of the rolling 10-minute AAQC for $SO_2$ at the Courtice Station on January 24th and four (4) exceedance events of the rolling 1-hour AAQC for $SO_2$ at the Courtice Station on January 24th.

**Table 4: Summary of Percent Valid Data for Courtice Station**

| Courtice Monitoring Station Data Statistics | Maximum Rolling 10 min Mean | Maximum Rolling 1 hr Mean | | | | | Maximum 24 hr Rolling Mean | | | | | Monthly Mean | | | | | % Valid Hours | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Compound | $SO_2$ | $PM_{2.5}$ | $NO_x$ | NO | $NO_2$ | $SO_2$ | $PM_{2.5}$ | $NO_x$ | NO | $NO_2$ | $SO_2$ | $PM_{2.5}$ | $NO_x$ | NO | $NO_2$ | $SO_2$ | $PM_{2.5}$ | $NO_x$ | NO | $NO_2$ | $SO_2$ |
| Units | ppb | ($\mu g/m^3$) | ppb | | | | ($\mu g/m^3$) | ppb | | | | ($\mu g/m^3$) | ppb | | | | (%) | | | | |
| AAQC | 67 | | | | 200 | 40 | 27[A] | | | 100 | | | | | | | | | | | |
| January | 79.067 | 45.2 | 98.8 | 59.7 | 40.1 | 56.223 | 19.9 | 38.3 | 14.5 | 25.6 | 20.407 | 6.2 | 8.9 | 1.7 | 7.2 | 1.953 | 99.9 | 99.7 | 99.7 | 99.7 | 99.7 |
| February | 48.302 | 33.5 | 45.9 | 17.4 | 33.5 | 25.315 | 16.1 | 13.0 | 1.9 | 12.2 | 4.828 | 6.1 | 5.5 | 0.5 | 5.2 | 1.031 | 99.7 | 99.4 | 99.4 | 99.4 | 99.7 |
| March | 36.724 | 42.6 | 70.2 | 48.3 | 38.4 | 21.798 | 16.9 | 21.7 | 3.8 | 18.0 | 4.865 | 6.1 | 5.9 | 1.1 | 4.8 | 1.076 | 99.6 | 99.3 | 99.3 | 99.3 | 99.6 |
| Q1 Arithmetic Mean | | | | | | | | | | | | 6.1 | 6.7 | 1.1 | 5.7 | 1.353 | 99.7 | 99.5 | 99.5 | 99.5 | 99.7 |

[A] The 24-hour PM2.5 criterion applies to the 98th percentile over 3 consecutive years

**Table 5: Summary of Percent Valid Data for Rundle Road Station**

| Rundle Road Monitoring Station Data Statistics | Maximum Rolling 10 min Mean | Maximum Rolling 1 hr Mean | | | | | Maximum 24 hr Rolling Mean | | | | | Monthly Mean | | | | | % Valid Hours | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Compound | $SO_2$ | $PM_{2.5}$ | $NO_x$ | NO | $NO_2$ | $SO_2$ | $PM_{2.5}$ | $NO_x$ | NO | $NO_2$ | $SO_2$ | $PM_{2.5}$ | $NO_x$ | NO | $NO_2$ | $SO_2$ | $PM_{2.5}$ | $NO_x$ | NO | $NO_2$ | $SO_2$ |
| Units | ppb | ($\mu g/m^3$) | ppb | | | | ($\mu g/m^3$) | ppb | | | | ($\mu g/m^3$) | ppb | | | | (%) | | | | |
| AAQC | 67 | | | | 200 | 40 | 27[A] | | | 100 | | | | | | | | | | | |
| January | 18.873 | 51.6 | 66.9 | 31.7 | 35.3 | 15.181 | 17.3 | 22.1 | 5.0 | 17.2 | 1.976 | 5.7 | 6.9 | 1.1 | 5.9 | 0.556 | 99.7 | 99.1 | 99.1 | 99.1 | 99.7 |
| February | 3.723 | 28.7 | 43.6 | 16.4 | 28.9 | 2.044 | 14.9 | 14.9 | 2.9 | 12.3 | 0.937 | 5.8 | 5.4 | 0.9 | 4.6 | 0.368 | 99.9 | 99.7 | 99.7 | 99.7 | 99.7 |
| March | 16.816 | 43.4 | 55.7 | 33.9 | 26.3 | 5.452 | 12.6 | 14.4 | 4.0 | 12.2 | 0.638 | 5.2 | 5.3 | 1.1 | 4.3 | 0.141 | 99.7 | 98.0 | 98.0 | 98.0 | 99.7 |
| Q1 Arithmetic Mean | | | | | | | | | | | | 5.6 | 5.9 | 1.0 | 4.9 | 0.355 | 99.8 | 98.9 | 98.9 | 98.9 | 99.7 |

[A] The 24-hour $PM_{2.5}$ criterion applies to the 98th percentile over 3 consecutive years.

**Table 6: Summary of Exceedance Statistics**

| Event Statistics | Rolling Mean > 10 min AAQC for Courtice | Rolling Mean > 10 min AAQC for Rundle Road | Mean > 1 hr AAQC for Courtice Monitoring Station | | | Mean > 1 hr AAQC for Rundle Road Monitoring Station | | | Rolling Mean > 24 hr AAQC for Courtice Monitoring Station | | | Rolling Mean > 24 hr AAQC for Rundle Road Monitoring Station | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Compound | $SO_2$ | $SO_2$ | $PM_{2.5}$ | $NO_2$ | $SO_2$ | $PM_{2.5}$ | $NO_2$ | $SO_2$ | $PM_{2.5}$ | $NO_2$ | $SO_2$ | $PM_{2.5}$ | $NO_2$ | $SO_2$ |
| Units | No. | No. | No. | | | No. | | | No. | | | No. | | |
| January | 1 | 0 | | 0 | 4 | | 0 | 0 | N/A | 0 | | N/A | 0 | |
| February | 0 | 0 | | 0 | 0 | | 0 | 0 | N/A | 0 | | N/A | 0 | |
| March | 0 | 0 | | 0 | 0 | | 0 | 0 | N/A | 0 | | N/A | 0 | |
| Q1 Arithmetic Mean | 1 | 0 | | 0 | 4 | | 0 | 0 | N/A | 0 | | N/A | 0 | |

## 5.3 Oxides of Nitrogen Results

### 5.3.1 Courtice Station Results

Data recovery levels were high for oxides of nitrogen (99.5% valid data). Monitoring results were compared to the AAQC for $NO_2$ only, as it is the only parameter that has AAQC values for 1-hour and 24-hour averaging periods (there are no AAQC's for NO or $NO_X$). There were no exceedances above the AAQC values for the entirety of the sampling period for rolling 1-hour and 24-hour averaged data. The highest $NO_2$ value seen among the 1-hour averages was 40.1 ppb, which is 20.1% of the AAQC. The highest $NO_2$ value seen among the rolling 24-hour averages was 25.6 ppb, which is 25.6% of the AAQC. The measurements are summarized in **Table 4** above. A pollution rose is presented in **Figure 5** for the Courtice Station during Q1 composed of hourly average $NO_2$ concentrations. A pollution rose indicates the percentage of time that the wind originates from a given direction coupled with the pollutant measurement for that time in either ppb or micrograms per meter cubed. In order to show where possible major sources of pollutants are coming from, levels below 5 ppb were omitted from the graphic wind rose representation.

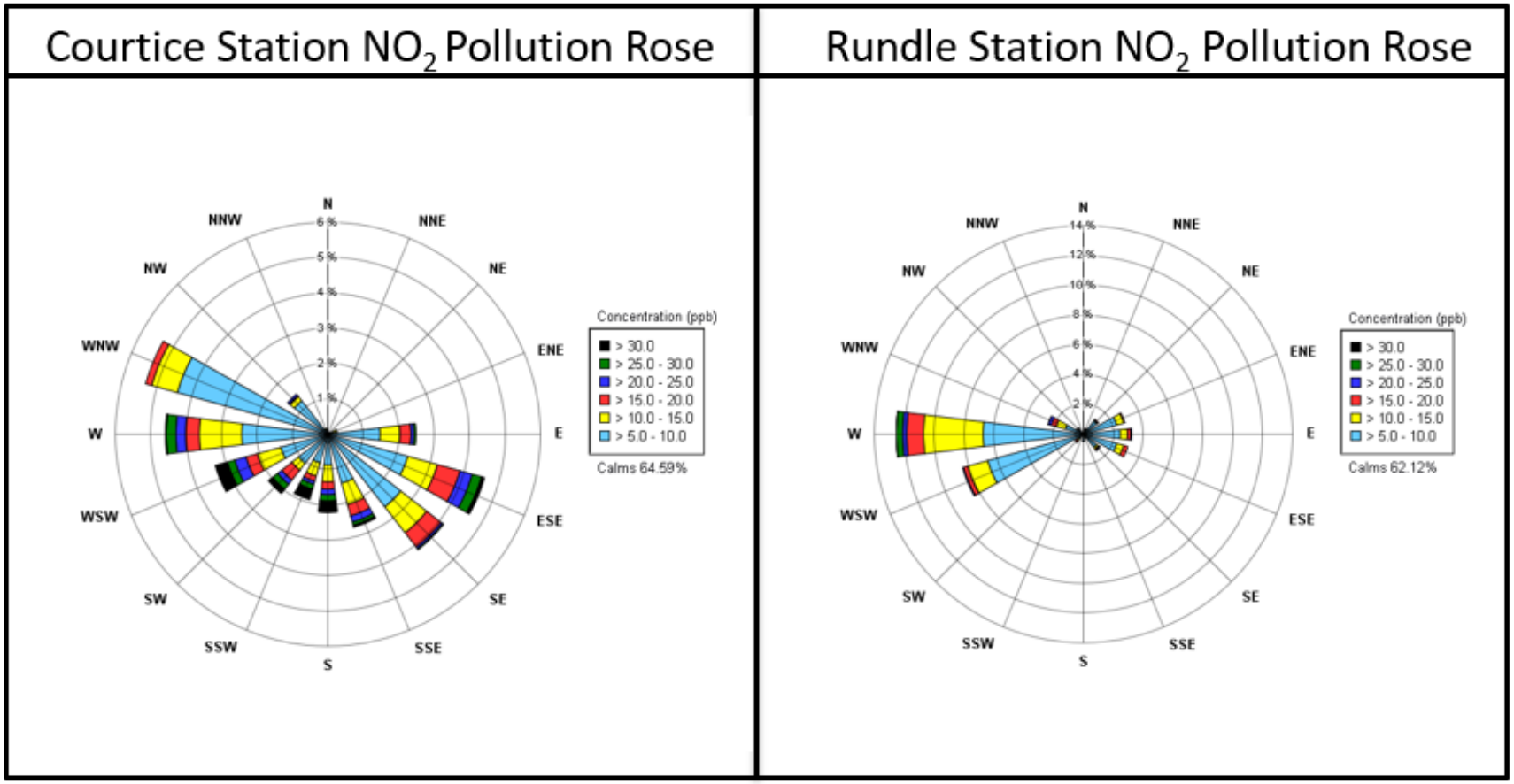
The Courtice Station pollution rose in **Figure 5** shows the majority of the $NO_2$ impacts were largely between the ESE and WNW directions. The Station would be downwind of the DYEC if winds were from the northeast and east-northeast components, which happened to be very minimal, therefore it is unlikely that any significant impact came from the DYEC. There are larger impacts from the ESE and SE which indicates likely impacts from the surrounding industry along the lakeshore, and from the W and WNW which is likely from roadway traffic emissions.

### 5.3.2 Rundle Road Station Results

Data recovery levels were high for oxides of nitrogen (98.9% valid data). There were no exceedances above the AAQC values for the entirety of the sampling period for rolling 1-hour and 24-hour averaged data. The highest $NO_2$ value seen among the 1-hour averages was 35.3 ppb, which is 17.6% of the AAQC. The highest $NO_2$ value seen among the rolling 24-hour averages was 17.2 ppb, which is 17.2% of the AAQC. The measurements are summarized in **Table 5** above. A pollution rose is presented in **Figure 5** for the Rundle Road Station during Q1 composed of hourly average $NO_2$ concentrations. In order to show where possible major sources of pollutants are coming from, levels below 5 ppb were omitted from the graphic wind rose representation.

The Rundle Road Station pollution rose in **Figure 5** shows that the majority of elevated $NO_2$ events at the Rundle Road Station occurred when winds were from the west and west-southwest which is in line with high traffic areas and urban background, with a possible contribution from DYEC in the WSW quadrant. It is unlikely that the DYEC was a major contributor to $NO_2$ levels at the station.

**Figure 5. Pollution Roses of Hourly Average $NO_2$ Concentrations – January to March 2020**



## 5.4 Sulphur Dioxide Results

### 5.4.1 Courtice Station Results

Data recovery levels were high for sulphur dioxide (99.7% valid data). Monitoring results were compared to the AAQC for 10-minute and 1-hour rolling average periods. The highest $SO_2$ value seen among the 10-min rolling averages was 79.067 ppb, which is 118.0% of the AAQC. The highest $SO_2$ value seen among the 1-hour rolling averages was 56.223 ppb, which is 140.6% of the AAQC. There was one (1) exceedance event of the rolling 10-minute AAQC and four (4) exceedance events of the rolling 1-hour AAQC. Figures outlining the pollution roses during the exceedance periods and a breakdown of how the exceedances are calculated are included in **Appendix E**. The exceedances were as follows:

- An exceedance of the $SO_2$ 10-minute AAQC occurred on January 24th at 17:55 EST (which includes averaged 5-min data from 17:50-17:55) with 72.01 ppb. The exceedance period included concentrations ranging from a minimum of 72.01 ppb to a maximum of 79.067 ppb.
    - The pollution rose generated during this exceedance period of 10-minutes suggests that elevated $SO_2$ events occurred from the E direction. This suggests that sources could include industrial sources along the lakeshore. It is unlikely that any significant contribution of measured $SO_2$ came from the DYEC as confirmed by the continuous emissions monitoring system (CEMS) on-site.
- An exceedance of the $SO_2$ 1-hour AAQC occurred at 16:40 EST (which includes averaged 5-min data from 15:45-16:40) on January 24th when the 1-hour running average was 43.857 ppb. During the exceedance period, successive running averages ranged between 43.857 ppb and 51.553 ppb.
    - The pollution rose generated during this exceedance period of 1-hour suggests that elevated $SO_2$ events occurred from the E and ESE directions. This suggests that sources could include industrial sources along the lakeshore. It is unlikely that any significant contribution of measured $SO_2$ came from the DYEC as confirmed by the continuous emissions monitoring system (CEMS) on-site.
- An exceedance of the $SO_2$ 1-hour AAQC occurred at 17:40 EST (which includes averaged 5-min data from 16:45-17:40) on January 24th when the 1-hour running average was 50.054 ppb. During the exceedance period, successive running averages ranged between 50.054 ppb and 56.223 ppb.
    - The pollution rose generated during this exceedance period of 1-hour suggests that elevated $SO_2$ events occurred from the E and ESE directions. This suggests that sources could include industrial sources along the lakeshore. It is unlikely that any significant contribution of measured $SO_2$ came from the DYEC as confirmed by the continuous emissions monitoring system (CEMS) on-site.
- An exceedance of the $SO_2$ 1-hour AAQC occurred at 18:40 EST (which includes averaged 5-min data from 17:45-18:40) on January 24th when the 1-hour running average was 52.432 ppb. During the exceedance period, successive running averages ranged between 37.113 ppb and 52.432 ppb.

- The pollution rose generated during this exceedance period of 1-hour suggests that elevated $SO_2$ events occurred from the E and ESE directions. This suggests that sources could include industrial sources along the lakeshore. It is unlikely that any significant contribution of measured $SO_2$ came from the DYEC as confirmed by the continuous emissions monitoring system (CEMS) on-site.

- An exceedance of the $SO_2$ 1-hour AAQC occurred at 20:30 EST (which includes averaged 5-min data from 19:35-20:30) on January 24th when the 1-hour running average was 41.201 ppb. During the exceedance period, successive running averages ranged between 29.213 ppb and 49.403 ppb.

  - The pollution rose generated during this exceedance period of 1-hour suggests that elevated $SO_2$ events occurred from the E and ESE directions. This suggests that sources could include industrial sources along the lakeshore. It is unlikely that any significant contribution of measured $SO_2$ came from the DYEC as confirmed by the continuous emissions monitoring system (CEMS) on-site.

The $SO_2$ statistical results are summarized in **Table 4** above. A pollution rose is presented in **Figure 6** for the Courtice Station during Q1 composed of hourly average $SO_2$ concentrations. In order to show where possible major sources of pollutants are coming from, levels below 5 ppb were omitted from the graphic wind rose representation.

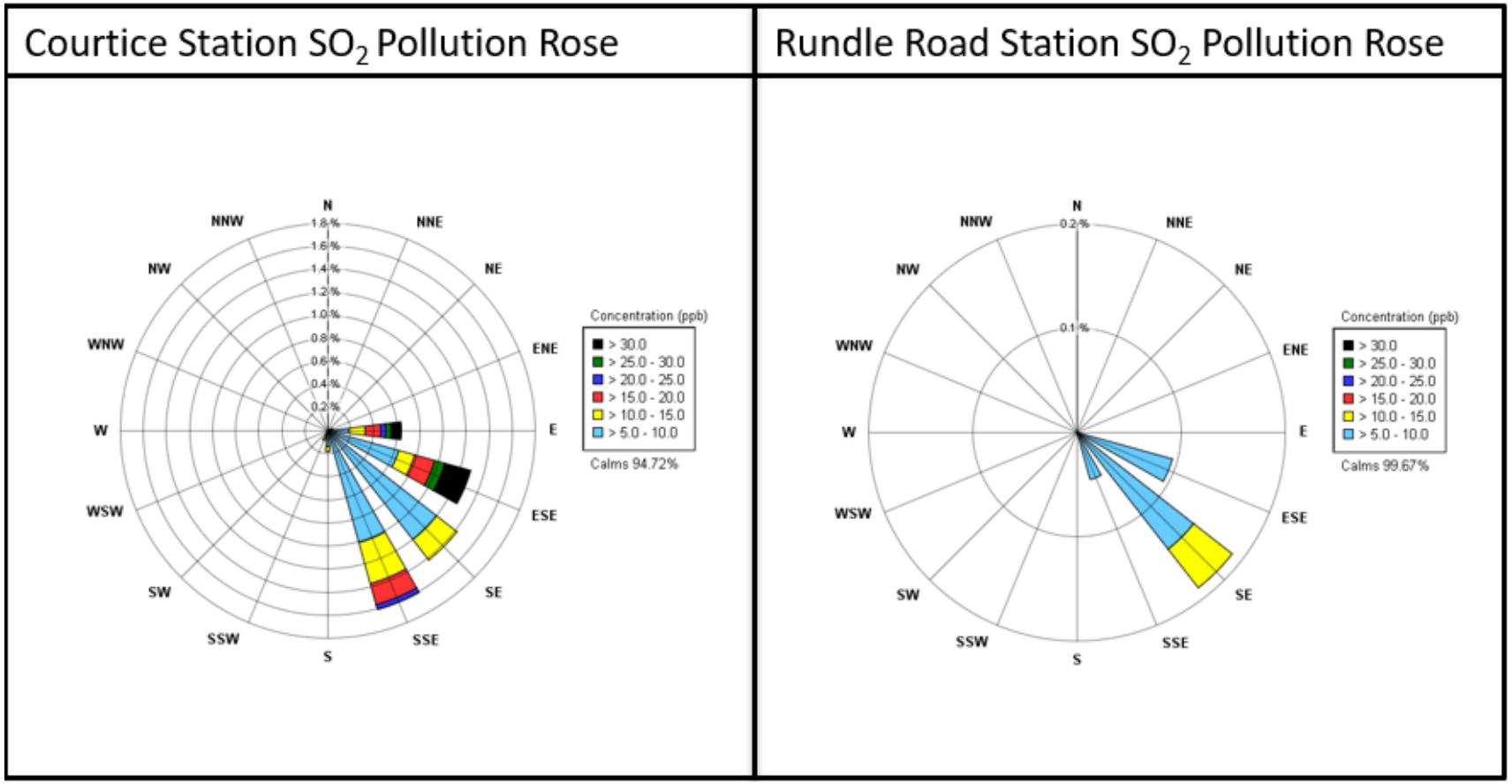
The Courtice Station pollution rose in **Figure 6** shows that the majority of elevated $SO_2$ events at Courtice occurred from the E to SSE directions. The events were possibly a result of emissions from industrial sources along the lakeshore. It is unlikely that any significant contribution of measured $SO_2$ came from the DYEC.

### 5.4.2 Rundle Road Station Results

Data recovery levels were high for sulphur dioxide (99.7% valid data). Monitoring results were compared to the AAQC for 10-minute and 1-hour rolling average periods. There were no exceedances above these AAQC values for the entirety of the sampling period for 10-minute and 1-hour rolling averaged data. The highest $SO_2$ value seen among the 10-min rolling averages was 18.873 ppb, which is 28.2% of the AAQC. The highest $SO_2$ value seen among the 1-hour rolling averages was 15.181 ppb, which is 38.0% of the AAQC. The results are summarized in **Table 5** above. A pollution rose is presented in **Figure 6** for the Rundle Road Station during Q1 composed of hourly average $SO_2$ concentrations. In order to show where possible major sources of pollutants are coming from, levels below 5 ppb were omitted from the graphic wind rose representation.

The Rundle Road Station pollution rose in **Figure 6** shows that the majority of elevated $SO_2$ events at the Rundle Road Station occurred when winds were from the E to SE. The pollution rose indicates that the DYEC was a not major contributor to $SO_2$ levels at the station and that the levels may be related to other industrial activity.

**Figure 6. Pollution Roses of Hourly Average $SO_2$ Concentrations January to March 2020**



## 5.5 Fine Particulate Matter ($PM_{2.5}$) Results

### 5.5.1 Courtice Station Results

Data recovery levels were high for particulate matter less than 2.5 microns (99.7% valid data). There is no 1-hour AAQC or standard for $PM_{2.5}$, but there is a 24-hour CAAQS of 27 µg/m$^3$ for the 3-year average of annual 98$^{th}$ percentile 24-hour concentrations, and 8.8 µg/m$^3$ for the 3-year average of annual average concentrations (in effect as of 2020). Note that since the reported data is only quarterly and the CAAQS is applicable to the 3-year average, the CAAQS' for $PM_{2.5}$ was not applicable to the data. The highest $PM_{2.5}$ value seen among the 1-hour rolling averages was 45.2 µg/m$^3$ and the highest value seen among the 24-hour rolling averages was 19.9 µg/m$^3$. The results are summarized in **Table 4** above. A pollution rose is presented in **Figure 7** for the Courtice Station during Q1 composed of hourly average $PM_{2.5}$ concentrations. In order to show where possible major sources of pollutants are coming from, levels below 5 µg/m$^3$ were omitted from the graphic wind rose representation.

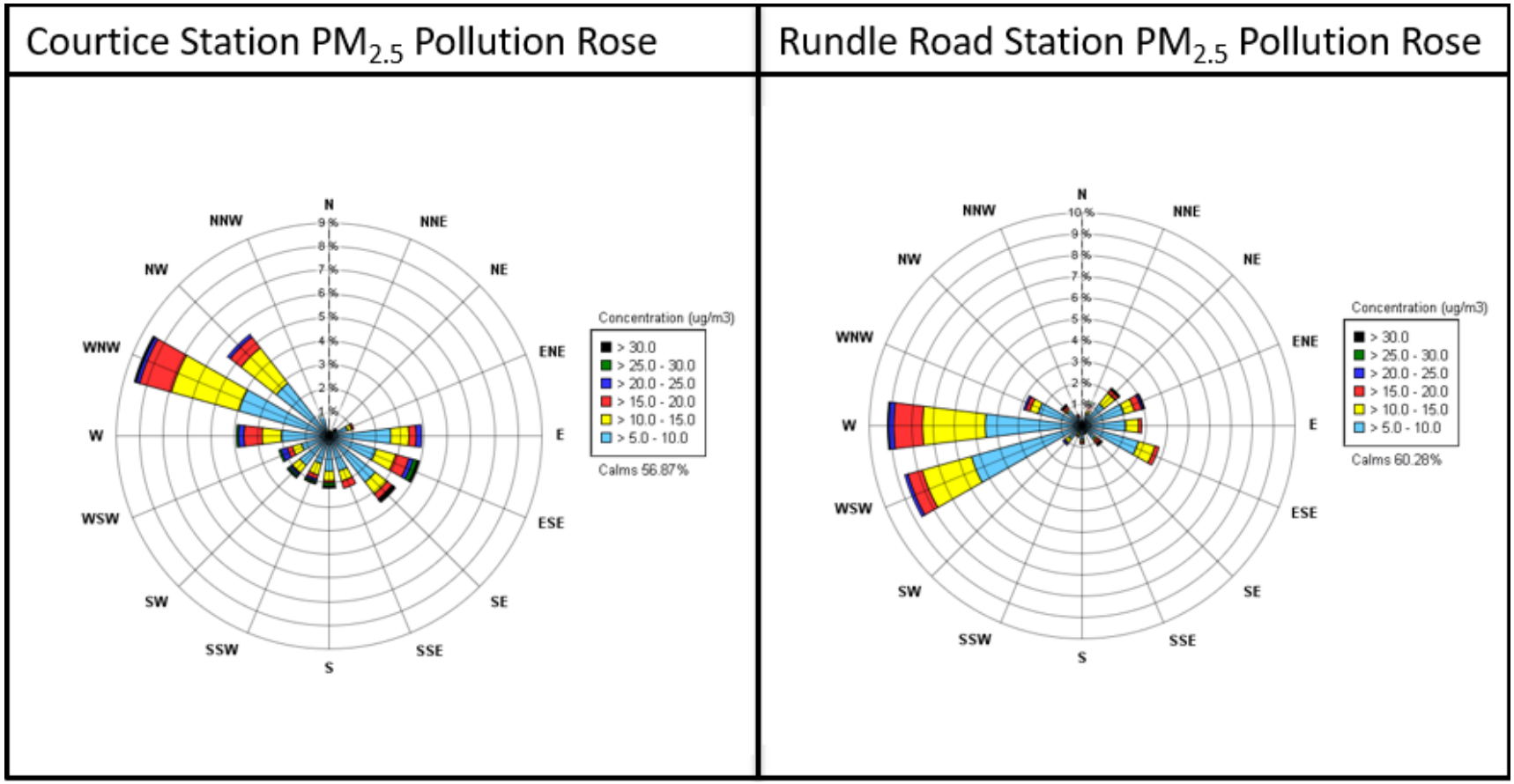
The Courtice Station pollution rose in **Figure 7** shows that the majority of elevated $PM_{2.5}$ events at Courtice were largely from the W to NW. Elevated $PM_{2.5}$ measurements were likely related to urban background, roadway emissions and other nearby industrial sources.

### 5.5.2 Rundle Road Station Results

Data recovery levels were high for particulate matter less than 2.5 microns (99.8% valid data). The highest $PM_{2.5}$ value seen among the 1-hour rolling averages was 51.6 µg/m$^3$ and the highest value seen among the 24-hour rolling averages was 17.3 µg/m$^3$. The results are summarized in **Table 5** above. A pollution rose is presented in **Figure 7** for the Rundle Road Station during Q1 composed of hourly average $PM_{2.5}$ concentrations. In order to show where possible major sources of pollutants are coming from, levels below 5 µg/m$^3$ were omitted from the graphic wind rose representation.

The Rundle Road pollution rose in **Figure 7** shows that the majority of elevated $PM_{2.5}$ events at the Rundle Road Station occurred when winds were from WSW and W, which is in line with high traffic areas and urban background, with a possible contribution from DYEC in the WSW quadrant.

**Figure 7. Pollution Roses of Hourly Average $PM_{2.5}$ Concentrations – January to March 2020**



## 5.6 TSP and Metals Hi-Vol Results

All of the TSP Hi-Vols operated on a discrete schedule every 6 days according to the NAPS schedule during Q1 with the sample days being: January 4, 10, 16, 22, 28, February 3, 9, 15, 21, 27, and March 4, 10, 16, 22, 28, 2020.

### 5.6.1 Courtice Station Results

Data recovery levels were high for the TSP sampler at the Courtice Station (93% valid data). There were no exceedances of any of the AAQC's or HHRA Criteria for TSP, mercury or metals during Q1. **Table 7** is a summary of the statistics for this station.

**Table 7: Summary of TSP Sampler Courtice Station**

| Contaminant | Units | MECP Criteria | HHRA Health Based Criteria | No. > Criteria | Geometric Mean | Arithmetic Mean | Q1 Minimum Concentration | Q1 Maximum Concentration | January Maximum Concentration | February Maximum Concentration | March Maximum Concentration | Number of Valid Samples | % Valid Data |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Particulate (TSP)** | µg/m$^3$ | *120* | *120* | 0 | 12.31 | 13.44 | 4.88 | 22.24 | 21.28 | 16.33 | 22.24 | 14 | 93 |
| **Total Mercury (Hg)** | µg/m$^3$ | *2* | *2* | 0 | 7.67E-06 | 1.12E-05 | 2.83E-06 | 2.75E-05 | 2.75E-05 | 1.07E-05 | 9.34E-06 | 14 | 93 |
| **Aluminum (Al)** | µg/m$^3$ | *4.8* | - | 0 | 5.18E-02 | 6.62E-02 | 1.17E-02 | 1.98E-01 | 5.03E-02 | 1.13E-01 | 1.98E-01 | 14 | 93 |
| **Antimony (Sb)** | µg/m$^3$ | *25* | *25* | 0 | 7.50E-04 | 1.00E-03 | 3.25E-04 | 4.06E-03 | 4.06E-03 | 1.03E-03 | 8.12E-04 | 14 | 93 |
| **Arsenic (As)** | µg/m$^3$ | *0.3* | *0.3* | 0 | 8.95E-04 | 8.95E-04 | 8.47E-04 | 9.43E-04 | 9.43E-04 | 8.85E-04 | 9.42E-04 | 14 | 93 |
| **Barium (Ba)** | µg/m$^3$ | *10* | *10* | 0 | 3.42E-03 | 3.74E-03 | 1.86E-03 | 7.35E-03 | 4.49E-03 | 7.35E-03 | 6.16E-03 | 14 | 93 |
| **Beryllium (Be)** | µg/m$^3$ | *0.01* | *0.01* | 0 | 2.98E-05 | 2.98E-05 | 2.82E-05 | 3.14E-05 | 3.14E-05 | 2.95E-05 | 3.14E-05 | 14 | 93 |
| **Bismuth (Bi)** | µg/m$^3$ | - | - | - | 5.37E-04 | 5.37E-04 | 5.08E-04 | 5.66E-04 | 5.66E-04 | 5.31E-04 | 5.65E-04 | 14 | 93 |
| **Boron (B)** | µg/m$^3$ | *120* | - | 0 | 1.19E-02 | 1.19E-02 | 1.13E-02 | 1.26E-02 | 1.26E-02 | 1.18E-02 | 1.26E-02 | 14 | 93 |
| **Cadmium (Cd)** | µg/m$^3$ | *0.025* | *0.025* | 0 | 5.96E-04 | 5.97E-04 | 5.65E-04 | 6.29E-04 | 6.29E-04 | 5.90E-04 | 6.28E-04 | 14 | 93 |
| **Chromium (Cr)** | µg/m$^3$ | *0.5* | - | 0 | 1.49E-03 | 1.49E-03 | 1.41E-03 | 1.57E-03 | 1.57E-03 | 1.48E-03 | 1.57E-03 | 14 | 93 |
| **Cobalt (Co)** | µg/m$^3$ | *0.1* | *0.1* | 0 | 5.96E-04 | 5.97E-04 | 5.65E-04 | 6.29E-04 | 6.29E-04 | 5.90E-04 | 6.28E-04 | 14 | 93 |
| **Copper (Cu)** | µg/m$^3$ | *50* | - | 0 | 1.06E-02 | 1.36E-02 | 3.54E-03 | 3.69E-02 | 3.12E-02 | 3.69E-02 | 1.37E-02 | 14 | 93 |
| **Iron (Fe)** | µg/m$^3$ | *4* | - | 0 | 1.86E-01 | 2.04E-01 | 8.43E-02 | 4.96E-01 | 2.03E-01 | 2.77E-01 | 4.96E-01 | 14 | 93 |
| **Lead (Pb)** | µg/m$^3$ | *0.5* | *0.5* | 0 | 1.69E-03 | 1.93E-03 | 8.48E-04 | 4.24E-03 | 2.30E-03 | 3.22E-03 | 4.24E-03 | 14 | 93 |
| **Magnesium (Mg)** | µg/m$^3$ | - | - | - | 1.02E-01 | 1.22E-01 | 2.93E-02 | 3.64E-01 | 1.00E-01 | 1.75E-01 | 3.64E-01 | 14 | 93 |
| **Manganese (Mn)** | µg/m$^3$ | *0.4* | - | 0 | 5.03E-03 | 5.73E-03 | 2.17E-03 | 1.28E-02 | 7.45E-03 | 9.65E-03 | 1.28E-02 | 14 | 93 |
| **Molybdenum (Mo)** | µg/m$^3$ | *120* | - | 0 | 4.98E-04 | 6.20E-04 | 2.82E-04 | 1.61E-03 | 1.61E-03 | 2.95E-04 | 8.48E-04 | 14 | 93 |
| **Nickel (Ni)** | µg/m$^3$ | *0.2* | - | 0 | 8.95E-04 | 8.95E-04 | 8.47E-04 | 9.43E-04 | 9.43E-04 | 8.85E-04 | 9.42E-04 | 14 | 93 |
| **Phosphorus (P)** | µg/m$^3$ | - | - | - | 3.34E-01 | 4.08E-01 | 2.12E-01 | 1.36E+00 | 2.36E-01 | 1.36E+00 | 6.23E-01 | 14 | 93 |
| **Selenium (Se)** | µg/m$^3$ | *10* | *10* | 0 | 2.98E-03 | 2.98E-03 | 2.82E-03 | 3.14E-03 | 3.14E-03 | 2.95E-03 | 3.14E-03 | 14 | 93 |
| **Silver (Ag)** | µg/m$^3$ | *1* | *1* | 0 | 2.98E-04 | 2.98E-04 | 2.82E-04 | 3.14E-04 | 3.14E-04 | 2.95E-04 | 3.14E-04 | 14 | 93 |
| **Strontium (Sr)** | µg/m$^3$ | *120* | - | 0 | 2.32E-03 | 2.80E-03 | 8.78E-04 | 8.61E-03 | 2.26E-03 | 4.02E-03 | 8.61E-03 | 14 | 93 |
| **Thallium (Tl)** | µg/m$^3$ | - | - | - | 2.68E-05 | 2.69E-05 | 2.54E-05 | 2.83E-05 | 2.83E-05 | 2.66E-05 | 2.83E-05 | 14 | 93 |
| **Tin (Sn)** | µg/m$^3$ | *10* | *10* | 0 | 6.01E-04 | 6.59E-04 | 2.93E-04 | 9.60E-04 | 9.46E-04 | 9.60E-04 | 9.34E-04 | 14 | 93 |
| **Titanium (Ti)** | µg/m$^3$ | *120* | - | 0 | 3.80E-03 | 4.13E-03 | 3.11E-03 | 1.09E-02 | 3.46E-03 | 7.35E-03 | 1.09E-02 | 14 | 93 |
| **Uranium (Ur)** | µg/m$^3$ | *1.5* | - | 0 | 2.98E-05 | 2.98E-05 | 2.82E-05 | 3.14E-05 | 3.14E-05 | 2.95E-05 | 3.14E-05 | 14 | 93 |
| **Vanadium (V)** | µg/m$^3$ | *2* | *1* | 0 | 1.49E-03 | 1.49E-03 | 1.41E-03 | 1.57E-03 | 1.57E-03 | 1.48E-03 | 1.57E-03 | 14 | 93 |
| **Zinc (Zn)** | µg/m$^3$ | *120* | - | 0 | 3.12E-02 | 3.96E-02 | 8.44E-03 | 9.38E-02 | 8.72E-02 | 9.38E-02 | 4.15E-02 | 14 | 93 |
| **Zirconium (Zr)** | µg/m$^3$ | *20* | - | 0 | 6.76E-04 | 7.94E-04 | 5.65E-04 | 3.33E-03 | 6.29E-04 | 3.33E-03 | 6.28E-04 | 14 | 93 |

Note: All non-detectable results were reported as 1/2 of the detection limit

### 5.6.2 Rundle Road Station Results

Data recovery levels were moderate for the TSP sampler at the Rundle Road Station (80% valid data). There were no exceedances of any of the AAQC's or HHRA Criteria for TSP, mercury or metals during Q1. **Table 8** is a summary of the statistics for this station.

**Table 8: Summary of TSP Sampler Rundle Road Station**

| Contaminant | Units | MECP Criteria | HHRA Health Based Criteria | No. > Criteria | Geometric Mean | Arithmetic Mean | Q1 Minimum Concentration | Q1 Maximum Concentration | January Maximum Concentration | February Maximum Concentration | March Maximum Concentration | Number of Valid Samples | % Valid Data |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Particulate (TSP)** | µg/m$^3$ | *120* | *120* | 0 | 15.3 | 17.2 | 6.5 | 33.9 | 26.2 | 33.9 | 21.6 | 12 | 80 |
| **Total Mercury (Hg)** | µg/m$^3$ | *2* | *2* | 0 | 7.61E-06 | 1.30E-05 | 2.92E-06 | 4.40E-05 | 4.40E-05 | 2.97E-06 | 1.17E-05 | 12 | 80 |
| **Aluminum (Al)** | µg/m$^3$ | *4.8* | - | 0 | 5.60E-02 | 7.25E-02 | 1.18E-02 | 1.73E-01 | 8.83E-02 | 9.63E-02 | 1.73E-01 | 12 | 80 |
| **Antimony (Sb)** | µg/m$^3$ | *25* | *25* | 0 | 4.94E-04 | 5.94E-04 | 1.50E-04 | 1.34E-03 | 1.01E-03 | 7.49E-04 | 1.34E-03 | 12 | 80 |
| **Arsenic (As)** | µg/m$^3$ | *0.3* | *0.3* | 0 | 8.91E-04 | 8.91E-04 | 8.46E-04 | 9.18E-04 | 9.07E-04 | 8.92E-04 | 9.18E-04 | 12 | 80 |
| **Barium (Ba)** | µg/m$^3$ | *10* | *10* | 0 | 3.79E-03 | 4.41E-03 | 1.80E-03 | 8.38E-03 | 6.90E-03 | 8.38E-03 | 7.10E-03 | 12 | 80 |
| **Beryllium (Be)** | µg/m$^3$ | *0.01* | *0.01* | 0 | 2.97E-05 | 2.97E-05 | 2.82E-05 | 3.06E-05 | 3.02E-05 | 2.97E-05 | 3.06E-05 | 12 | 80 |
| **Bismuth (Bi)** | µg/m$^3$ | - | - | - | 5.35E-04 | 5.35E-04 | 5.08E-04 | 5.51E-04 | 5.44E-04 | 5.35E-04 | 5.51E-04 | 12 | 80 |
| **Boron (B)** | µg/m$^3$ | *120* | - | 0 | 1.19E-02 | 1.19E-02 | 1.13E-02 | 1.22E-02 | 1.21E-02 | 1.19E-02 | 1.22E-02 | 12 | 80 |
| **Cadmium (Cd)** | µg/m$^3$ | *0.025* | *0.025* | 0 | 5.94E-04 | 5.94E-04 | 5.64E-04 | 6.12E-04 | 6.05E-04 | 5.95E-04 | 6.12E-04 | 12 | 80 |
| **Chromium (Cr)** | µg/m$^3$ | *0.5* | - | 0 | 1.49E-03 | 1.49E-03 | 1.41E-03 | 1.53E-03 | 1.51E-03 | 1.49E-03 | 1.53E-03 | 12 | 80 |
| **Cobalt (Co)** | µg/m$^3$ | *0.1* | *0.1* | 0 | 5.94E-04 | 5.94E-04 | 5.64E-04 | 6.12E-04 | 6.05E-04 | 5.95E-04 | 6.12E-04 | 12 | 80 |
| **Copper (Cu)** | µg/m$^3$ | *50* | - | 0 | 1.33E-02 | 1.64E-02 | 6.38E-03 | 3.75E-02 | 3.28E-02 | 1.21E-02 | 3.75E-02 | 12 | 80 |
| **Iron (Fe)** | µg/m$^3$ | *4* | - | 0 | 2.16E-01 | 2.62E-01 | 6.60E-02 | 5.46E-01 | 5.46E-01 | 2.71E-01 | 5.33E-01 | 12 | 80 |
| **Lead (Pb)** | µg/m$^3$ | *0.5* | *0.5* | 0 | 1.19E-03 | 1.38E-03 | 8.75E-04 | 3.73E-03 | 2.71E-03 | 8.92E-04 | 3.73E-03 | 12 | 80 |
| **Magnesium (Mg)** | µg/m$^3$ | - | - | - | 1.06E-01 | 1.29E-01 | 2.93E-02 | 2.63E-01 | 1.21E-01 | 1.81E-01 | 2.63E-01 | 12 | 80 |
| **Manganese (Mn)** | µg/m$^3$ | *0.4* | - | 0 | 5.90E-03 | 7.82E-03 | 1.53E-03 | 2.27E-02 | 1.22E-02 | 2.27E-02 | 1.14E-02 | 12 | 80 |
| **Molybdenum (Mo)** | µg/m$^3$ | *120* | - | 0 | 6.44E-04 | 8.12E-04 | 2.92E-04 | 1.75E-03 | 1.23E-03 | 5.86E-04 | 1.75E-03 | 12 | 80 |
| **Nickel (Ni)** | µg/m$^3$ | *0.2* | - | 0 | 8.91E-04 | 8.91E-04 | 8.46E-04 | 9.18E-04 | 9.07E-04 | 8.92E-04 | 9.18E-04 | 12 | 80 |
| **Phosphorus (P)** | µg/m$^3$ | - | - | - | 2.84E-01 | 3.16E-01 | 2.12E-01 | 6.77E-01 | 2.27E-01 | 2.23E-01 | 6.77E-01 | 12 | 80 |
| **Selenium (Se)** | µg/m$^3$ | *10* | *10* | 0 | 2.97E-03 | 2.97E-03 | 2.82E-03 | 3.06E-03 | 3.02E-03 | 2.97E-03 | 3.06E-03 | 12 | 80 |
| **Silver (Ag)** | µg/m$^3$ | *1* | *1* | 0 | 2.97E-04 | 2.97E-04 | 2.82E-04 | 3.06E-04 | 3.02E-04 | 2.97E-04 | 3.06E-04 | 12 | 80 |
| **Strontium (Sr)** | µg/m$^3$ | *120* | - | 0 | 3.00E-03 | 3.83E-03 | 8.79E-04 | 7.47E-03 | 4.05E-03 | 6.72E-03 | 7.47E-03 | 12 | 80 |
| **Thallium (Tl)** | µg/m$^3$ | - | - | - | 2.67E-05 | 2.67E-05 | 2.54E-05 | 2.75E-05 | 2.72E-05 | 2.68E-05 | 2.75E-05 | 12 | 80 |
| **Tin (Sn)** | µg/m$^3$ | *10* | *10* | 0 | 6.21E-04 | 8.01E-04 | 2.93E-04 | 2.57E-03 | 1.30E-03 | 9.92E-04 | 2.57E-03 | 12 | 80 |
| **Titanium (Ti)** | µg/m$^3$ | *120* | - | 0 | 3.69E-03 | 3.87E-03 | 3.10E-03 | 7.34E-03 | 3.33E-03 | 3.27E-03 | 7.34E-03 | 12 | 80 |
| **Uranium (Ur)** | µg/m$^3$ | *1.5* | - | 0 | 2.97E-05 | 2.97E-05 | 2.82E-05 | 3.06E-05 | 3.02E-05 | 2.97E-05 | 3.06E-05 | 12 | 80 |
| **Vanadium (V)** | µg/m$^3$ | *2* | *1* | 0 | 1.49E-03 | 1.49E-03 | 1.41E-03 | 1.53E-03 | 1.51E-03 | 1.49E-03 | 1.53E-03 | 12 | 80 |
| **Zinc (Zn)** | µg/m$^3$ | *120* | - | 0 | 1.46E-02 | 2.11E-02 | 5.34E-03 | 8.34E-02 | 4.95E-02 | 8.34E-02 | 1.83E-02 | 12 | 80 |
| **Zirconium (Zr)** | µg/m$^3$ | *20* | - | 0 | 5.94E-04 | 5.94E-04 | 5.64E-04 | 6.12E-04 | 6.05E-04 | 5.95E-04 | 6.12E-04 | 12 | 80 |

Note: All non-detectable results were reported as 1/2 of the detection limit

## 5.7 PAH Results

All of the PUF Hi-Vols operated on a discrete schedule every 12 days for PAH's according to the NAPS schedule during Q1 with the sample days being: January 4, 16, 28, February 9, 21, March 4, 16, 28, 2020.

### 5.7.1 Courtice Station Results

Data recovery levels were high for the PAH results at the Courtice Station (100% valid data). There were no exceedances of any of the AAQC's or HHRA Criteria. **Table 9** outlines the statistics summary for this station.

**Table 9: Statistics Summary of PAH Results for Courtice Station**

| Contaminant | Units | MECP Criteria (µg/m$^3$) | No. > Criteria | Arithmetic Mean | Minimum Q1 Concentration | Maximum Q1 Concentration | January Maximum Concentration | February Maximum Concentration | March Maximum Concentration | Number of Valid Samples | % Valid data |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ng/m$^3$ | 12000 | 0 | 3.40E+00 | 1.81E+00 | 7.55E+00 | 2.78E+00 | 3.25E+00 | 7.55E+00 | 8 | 100 |
| 2-Methylnaphthalene | ng/m$^3$ | 10000 | 0 | 5.36E+00 | 3.12E+00 | 1.17E+01 | 3.97E+00 | 5.17E+00 | 1.17E+01 | 8 | 100 |
| Acenaphthene | ng/m$^3$ | - | - | 8.87E-01 | 1.79E-01 | 4.20E+00 | 6.48E-01 | 2.94E-01 | 4.20E+00 | 8 | 100 |
| Acenaphthylene | ng/m$^3$ | 3500 | 0 | 9.69E-02 | 3.05E-02 | 1.94E-01 | 1.94E-01 | 3.38E-02 | 1.65E-01 | 8 | 100 |
| Anthracene | ng/m$^3$ | 200 | 0 | 3.67E-02 | 1.00E-02 | 1.14E-01 | 3.76E-02 | 2.64E-02 | 1.14E-01 | 8 | 100 |
| Benzo(a)Anthracene | ng/m$^3$ | - | - | 1.63E-02 | 4.95E-03 | 2.94E-02 | 1.06E-02 | 2.60E-02 | 2.94E-02 | 8 | 100 |
| Benzo(a)fluorene | ng/m$^3$ | - | - | 2.92E-02 | 1.28E-02 | 7.40E-02 | 3.72E-02 | 2.82E-02 | 7.40E-02 | 8 | 100 |
| Benzo(a)Pyrene (Historically High) | ng/m$^3$ | 0.05 | 0 | 1.89E-02 | 1.49E-03 | 3.92E-02 | 6.67E-03 | 3.65E-02 | 3.92E-02 | 8 | 100 |
| Benzo(b)Fluoranthene | ng/m$^3$ | - | - | 7.09E-02 | 2.83E-02 | 1.44E-01 | 3.95E-02 | 1.00E-01 | 1.44E-01 | 8 | 100 |
| Benzo(b)fluorene | ng/m$^3$ | - | - | 1.58E-02 | 7.80E-03 | 3.48E-02 | 2.60E-02 | 1.86E-02 | 3.48E-02 | 8 | 100 |
| Benzo(e)Pyrene | ng/m$^3$ | - | - | 4.33E-02 | 1.72E-02 | 7.68E-02 | 3.18E-02 | 5.20E-02 | 7.68E-02 | 8 | 100 |
| Benzo(g,h,i)Perylene | ng/m$^3$ | - | - | 4.31E-02 | 1.46E-02 | 7.99E-02 | 2.97E-02 | 5.51E-02 | 7.99E-02 | 8 | 100 |
| Benzo(k)Fluoranthene | ng/m$^3$ | - | - | 5.19E-02 | 2.02E-02 | 8.68E-02 | 3.92E-02 | 7.15E-02 | 8.68E-02 | 8 | 100 |
| Biphenyl | ng/m$^3$ | - | - | 1.89E+00 | 1.00E+00 | 4.48E+00 | 1.29E+00 | 2.40E+00 | 4.48E+00 | 8 | 100 |
| Chrysene | ng/m$^3$ | - | - | 9.93E-02 | 4.10E-02 | 1.86E-01 | 6.64E-02 | 1.37E-01 | 1.86E-01 | 8 | 100 |
| Dibenzo(a,h)Anthracene | ng/m$^3$ | - | - | 5.40E-03 | 2.59E-03 | 9.91E-03 | 3.55E-03 | 6.59E-03 | 9.91E-03 | 8 | 100 |
| Fluoranthene | ng/m$^3$ | - | - | 4.67E-01 | 2.45E-01 | 1.40E+00 | 3.85E-01 | 5.08E-01 | 1.40E+00 | 8 | 100 |
| Indeno(1,2,3-cd)Pyrene | ng/m$^3$ | - | - | 1.11E+00 | 4.56E-01 | 3.79E+00 | 7.76E-01 | 7.64E-01 | 3.79E+00 | 7 | 88 |
| Naphthalene | ng/m$^3$ | 22500 | - | 4.56E-02 | 2.47E-02 | 7.99E-02 | 3.39E-02 | 5.33E-02 | 7.99E-02 | 8 | 100 |
| o-Terphenyl | ng/m$^3$ | - | 0 | 2.25E+01 | 1.14E+01 | 3.79E+01 | 2.47E+01 | 2.64E+01 | 3.79E+01 | 8 | 100 |
| Perylene | ng/m$^3$ | - | - | 1.04E-02 | 4.25E-03 | 2.01E-02 | 1.01E-02 | 1.11E-02 | 2.01E-02 | 8 | 100 |
| Phenanthrene | ng/m$^3$ | - | - | 4.37E-03 | 3.32E-04 | 1.21E-02 | 2.39E-03 | 1.21E-02 | 1.09E-02 | 8 | 100 |
| Pyrene | ng/m$^3$ | - | - | 1.98E+00 | 8.74E-01 | 7.08E+00 | 1.79E+00 | 1.77E+00 | 7.08E+00 | 8 | 100 |
| Tetralin | ng/m$^3$ | - | - | 2.38E-01 | 1.45E-01 | 6.02E-01 | 2.37E-01 | 2.35E-01 | 6.02E-01 | 8 | 100 |
| Fluorene[1] | ng/m$^3$ | - | - | 2.09E+00 | 1.48E+00 | 2.87E+00 | 2.34E+00 | 2.04E+00 | 2.87E+00 | 8 | 100 |
| Total PAH | ng/m$^3$ | - | - | 4.04E+01 | 2.22E+01 | 8.27E+01 | 3.76E+01 | 4.26E+01 | 8.27E+01 | 8 | 100 |

Note: All non-detectable results were reported as 1/2 of the detection limit
[1] Fluorene was not reported only once which occurred on the January 4th sampling event. The fluorene levels below instrument response were not listed on that analytical report.

### 5.7.2 Rundle Road Station Results

Data recovery levels were low for the PAH results at the Rundle Road Station (75% valid data). There was one (1) exceedance of the Benzo(a) Pyrene AAQC on March 28th. There were no other exceedances of any of the AAQC's or HHRA Criteria. According to the Rundle meteorological data, the Rundle Road Station was neither upwind nor downwind of the DYEC during the sampling period. Since the winds were coming from the East, it is likely that the measured BaP exceedances may be attributed to sources other than the Energy Centre operations. The exceedance documentation is attached in **Appendix E**. **Table 10** outlines the statistics summary for this station.

**Table 10: Statistics Summary of PAH Results for Rundle Road Station**

| Contaminant | Units | MECP Criteria (µg/m³) | No. > Criteria | Arithmetic Mean | Minimum Q1 Concentration | Maximum Q1 Concentration | January Maximum Concentration | February Maximum Concentration | March Maximum Concentration | Number of Valid Samples | % Valid data |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ng/m³ | *12000* | 0 | 3.74E+00 | 1.56E+00 | 5.33E+00 | 1.56E+00 | 4.35E+00 | 5.33E+00 | 6 | 75 |
| 2-Methylnaphthalene | ng/m³ | *10000* | 0 | 5.81E+00 | 2.24E+00 | 7.68E+00 | 2.24E+00 | 7.05E+00 | 7.68E+00 | 6 | 75 |
| Acenaphthene | ng/m³ | - | - | 9.29E-01 | 3.83E-02 | 2.46E+00 | 1.41E-01 | 6.09E-01 | 2.46E+00 | 6 | 75 |
| Acenaphthylene | ng/m³ | *3500* | 0 | 1.38E-01 | 5.16E-02 | 3.56E-01 | 1.18E-01 | 3.56E-01 | 1.08E-01 | 6 | 75 |
| Anthracene | ng/m³ | *200* | 0 | 4.74E-02 | 2.19E-02 | 9.93E-02 | 2.77E-02 | 9.93E-02 | 6.77E-02 | 6 | 75 |
| Benzo(a)Anthracene | ng/m³ | - | - | 2.47E-02 | 1.05E-02 | 3.88E-02 | 1.05E-02 | 2.84E-02 | 3.88E-02 | 6 | 75 |
| Benzo(a)fluorene | ng/m³ | - | - | 3.85E-02 | 1.11E-02 | 7.06E-02 | 1.11E-02 | 7.06E-02 | 6.74E-02 | 6 | 75 |
| Benzo(a)Pyrene (Historically High) | ng/m³ | *0.05* | 1 | 3.26E-02 | 1.15E-02 | 5.80E-02 | 1.15E-02 | 3.29E-02 | 5.80E-02 | 6 | 75 |
| Benzo(b)Fluoranthene | ng/m³ | - | - | 1.00E-01 | 3.63E-02 | 1.62E-01 | 3.63E-02 | 1.62E-01 | 1.38E-01 | 6 | 75 |
| Benzo(b)fluorene | ng/m³ | - | - | 2.04E-02 | 9.18E-03 | 4.42E-02 | 9.18E-03 | 4.42E-02 | 2.98E-02 | 6 | 75 |
| Benzo(e)Pyrene | ng/m³ | - | - | 6.06E-02 | 2.80E-02 | 9.77E-02 | 2.80E-02 | 9.77E-02 | 7.36E-02 | 6 | 75 |
| Benzo(g,h,i)Perylene | ng/m³ | - | - | 5.99E-02 | 2.77E-02 | 8.05E-02 | 2.77E-02 | 6.96E-02 | 8.05E-02 | 6 | 75 |
| Benzo(k)Fluoranthene | ng/m³ | - | - | 8.11E-02 | 2.68E-02 | 1.41E-01 | 2.68E-02 | 1.10E-01 | 1.41E-01 | 6 | 75 |
| Biphenyl | ng/m³ | - | - | 2.08E+00 | 9.05E-01 | 3.92E+00 | 9.05E-01 | 2.21E+00 | 3.92E+00 | 8 | 75 |
| Chrysene | ng/m³ | - | - | 1.36E-01 | 4.86E-02 | 2.32E-01 | 4.86E-02 | 2.32E-01 | 1.76E-01 | 6 | 75 |
| Dibenzo(a,h)Anthracene | ng/m³ | - | - | 6.37E-03 | 2.59E-03 | 9.17E-03 | 2.59E-03 | 9.17E-03 | 8.78E-03 | 6 | 75 |
| Fluoranthene | ng/m³ | - | - | 5.60E-01 | 2.46E-01 | 9.28E-01 | 2.46E-01 | 8.84E-01 | 9.28E-01 | 6 | 75 |
| Indeno(1,2,3-cd)Pyrene | ng/m³ | - | - | 1.07E+00 | 3.30E-01 | 2.53E+00 | 4.07E-01 | 9.97E-01 | 2.53E+00 | 6 | 75 |
| Naphthalene | ng/m³ | *22500* | - | 5.91E-02 | 2.71E-02 | 8.24E-02 | 2.71E-02 | 7.76E-02 | 8.24E-02 | 6 | 75 |
| o-Terphenyl | ng/m³ | - | 0 | 2.28E+01 | 1.07E+01 | 3.39E+01 | 1.07E+01 | 2.89E+01 | 3.39E+01 | 6 | 75 |
| Perylene | ng/m³ | - | - | 1.04E-02 | 4.26E-03 | 2.21E-02 | 4.26E-03 | 9.78E-03 | 2.21E-02 | 6 | 75 |
| Phenanthrene | ng/m³ | - | - | 7.52E-03 | 6.27E-04 | 1.47E-02 | 3.06E-03 | 1.40E-02 | 1.47E-02 | 6 | 75 |
| Pyrene | ng/m³ | - | - | 2.29E+00 | 9.91E-01 | 4.26E+00 | 9.91E-01 | 3.37E+00 | 4.26E+00 | 6 | 75 |
| Tetralin | ng/m³ | - | - | 2.99E-01 | 1.45E-01 | 4.75E-01 | 1.45E-01 | 4.75E-01 | 4.64E-01 | 6 | 75 |
| Fluorene[1] | ng/m³ | - | - | 2.48E+00 | 1.55E+00 | 3.61E+00 | 2.91E+00 | 2.51E+00 | 3.61E+00 | 6 | 75 |
| Total PAH | ng/m³ | - | - | 4.29E+01 | 2.07E+01 | 6.49E+01 | 2.07E+01 | 4.98E+01 | 6.49E+01 | 6 | 75 |

Note: All non-detectable results were reported as 1/2 of the detection limit

## 5.8 Dioxin and Furan Results

All of the PUF Hi-Vols operated on a discrete schedule every 24 days for D&F's according to the NAPS schedule during Q1 with the sample days being: January 16, February 9, and March 4 and 28, 2020.

### 5.8.1 Courtice Station Results

Data recovery levels were high for the D&F results at the Courtice Station (100% valid data). There were no exceedances of any of the AAQC's or HHRA Criteria for any of the D&F's during Q1. Table 11 is a summary of the statistics for this station.

**Table 11: Courtice Station Q1 Monitoring Results for Dioxins and Furans**

| Contaminant | Units | *MECP Criteria* | *HHRA Health Based Criteria* | No. > Criteria | Arithmetic Mean | Q1 Minimum Concentration | Q1 Maximum Concentration | January Maximum Concentration | February Maximum Concentration | March Maximum Concentration | Number of Valid Samples | % Valid Data |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | pg/m$^3$ | - | - | - | 1.26E-03 | 8.31E-04 | 1.69E-03 | 1.53E-03 | 9.82E-04 | 1.69E-03 | 4 | 100 |
| 1,2,3,7,8-PeCDD | pg/m$^3$ | - | - | - | 1.02E-03 | 1.57E-06 | 1.78E-03 | 7.97E-04 | 1.51E-03 | 1.78E-03 | 4 | 100 |
| 1,2,3,4,7,8-HxCDD | pg/m$^3$ | - | - | - | 9.59E-05 | 1.89E-06 | 2.11E-04 | 8.14E-05 | 2.11E-04 | 8.90E-05 | 4 | 100 |
| 1,2,3,6,7,8-HxCDD | pg/m$^3$ | - | - | - | 2.43E-04 | 7.81E-06 | 6.95E-04 | 1.00E-04 | 6.95E-04 | 1.69E-04 | 4 | 100 |
| 1,2,3,7,8,9-HxCDD | pg/m$^3$ | - | - | - | 2.73E-04 | 3.44E-06 | 5.80E-04 | 7.63E-05 | 5.80E-04 | 4.33E-04 | 4 | 100 |
| 1,2,3,4,6,7,8-HpCDD | pg/m$^3$ | - | - | - | 4.23E-04 | 1.02E-04 | 7.01E-04 | 3.97E-04 | 7.01E-04 | 4.91E-04 | 4 | 100 |
| OCDD | pg/m$^3$ | - | - | - | 1.10E-04 | 2.72E-05 | 3.12E-04 | 2.72E-05 | 5.26E-05 | 3.12E-04 | 4 | 100 |
| 2,3,7,8-TCDF | pg/m$^3$ | - | - | - | 1.31E-04 | 1.33E-06 | 2.51E-04 | 1.14E-04 | 2.51E-04 | 1.60E-04 | 4 | 100 |
| 1,2,3,7,8-PeCDF | pg/m$^3$ | - | - | - | 3.33E-05 | 1.94E-06 | 6.35E-05 | 2.24E-05 | 4.53E-05 | 6.35E-05 | 4 | 100 |
| 2,3,4,7,8-PeCDF | pg/m$^3$ | - | - | - | 4.31E-04 | 3.54E-06 | 7.82E-04 | 2.03E-04 | 7.34E-04 | 7.82E-04 | 4 | 100 |
| 1,2,3,4,7,8-HxCDF | pg/m$^3$ | - | - | - | 8.94E-05 | 1.52E-06 | 1.51E-04 | 9.15E-05 | 1.51E-04 | 1.13E-04 | 4 | 100 |
| 1,2,3,6,7,8-HxCDF | pg/m$^3$ | - | - | - | 1.84E-04 | 3.78E-06 | 4.47E-04 | 8.47E-05 | 4.47E-04 | 1.99E-04 | 4 | 100 |
| 2,3,4,6,7,8-HxCDF | pg/m$^3$ | - | - | - | 1.91E-04 | 6.49E-06 | 4.88E-04 | 8.98E-05 | 1.81E-04 | 4.88E-04 | 4 | 100 |
| 1,2,3,7,8,9-HxCDF | pg/m$^3$ | - | - | - | 2.35E-04 | 2.33E-06 | 5.23E-04 | 1.03E-04 | 5.23E-04 | 3.10E-04 | 4 | 100 |
| 1,2,3,4,6,7,8-HpCDF | pg/m$^3$ | - | - | - | 5.03E-05 | 1.76E-05 | 9.60E-05 | 3.93E-05 | 4.83E-05 | 9.60E-05 | 4 | 100 |
| 1,2,3,4,7,8,9-HpCDF | pg/m$^3$ | - | - | - | 1.83E-05 | 5.36E-06 | 4.26E-05 | 6.95E-06 | 4.26E-05 | 1.81E-05 | 4 | 100 |
| OCDF | pg/m$^3$ | - | - | - | 6.49E-06 | 2.09E-06 | 1.28E-05 | 2.09E-06 | 6.68E-06 | 1.28E-05 | 4 | 100 |
| Total Toxic Equivalency | pg TEQ/m$^3$ | *0.1 1*[1] | - | 0 | 4.79E-03 | 1.32E-03 | 7.16E-03 | 3.76E-03 | 7.16E-03 | 6.93E-03 | 4 | 100 |

Note: All non-detectable results were reported as 1/2 of the detection limit
[1] O. Reg. 419/05 Schedule Upper Risk Thresholds

### 5.8.2 Rundle Road Station Results

Data recovery levels were acceptable for the D&F results at the Rundle Road Station (75% valid data). There were no exceedances of any of the AAQC's or HHRA Criteria for any of the D&F's during Q1. **Table 12** is a summary of the statistics for this station.

**Table 12: Rundle Road Station Q1 Monitoring Results for Dioxins and Furans**

| Contaminant | Units | *MECP Criteria* | *HHRA Health Based Criteria* | No. > Criteria | Arithmetic Mean | Q1 Minimum Concentration | Q1 Maximum Concentration | January Maximum Concentration | February Maximum Concentration | March Maximum Concentration | Number of Valid Samples | % Valid Data |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | pg/m$^3$ | - | - | - | 2.46E-03 | 5.11E-04 | 6.04E-03 | - | 6.04E-03 | 8.31E-04 | 3 | 75 |
| 1,2,3,7,8-PeCDD | pg/m$^3$ | - | - | - | 1.39E-03 | 2.50E-06 | 2.76E-03 | - | 1.42E-03 | 2.76E-03 | 3 | 75 |
| 1,2,3,4,7,8-HxCDD | pg/m$^3$ | - | - | - | 2.26E-04 | 1.07E-06 | 5.68E-04 | - | 5.68E-04 | 1.10E-04 | 3 | 75 |
| 1,2,3,6,7,8-HxCDD | pg/m$^3$ | - | - | - | 3.43E-04 | 2.22E-06 | 6.50E-04 | - | 6.50E-04 | 3.76E-04 | 3 | 75 |
| 1,2,3,7,8,9-HxCDD | pg/m$^3$ | - | - | - | 2.71E-04 | 3.98E-06 | 5.91E-04 | - | 5.91E-04 | 2.19E-04 | 3 | 75 |
| 1,2,3,4,6,7,8-HpCDD | pg/m$^3$ | - | - | - | 3.27E-04 | 7.76E-05 | 5.89E-04 | - | 3.14E-04 | 5.89E-04 | 3 | 75 |
| OCDD | pg/m$^3$ | - | - | - | 1.14E-04 | 5.61E-05 | 2.26E-04 | - | 5.61E-05 | 2.26E-04 | 3 | 75 |
| 2,3,7,8-TCDF | pg/m$^3$ | - | - | - | 7.26E-05 | 1.66E-06 | 1.52E-04 | - | 1.52E-04 | 6.43E-05 | 3 | 75 |
| 1,2,3,7,8-PeCDF | pg/m$^3$ | - | - | - | 3.97E-05 | 5.31E-06 | 5.92E-05 | - | 5.45E-05 | 5.92E-05 | 3 | 75 |
| 2,3,4,7,8-PeCDF | pg/m$^3$ | - | - | - | 3.15E-04 | 5.77E-06 | 5.45E-04 | - | 5.45E-04 | 3.95E-04 | 3 | 75 |
| 1,2,3,4,7,8-HxCDF | pg/m$^3$ | - | - | - | 1.76E-04 | 1.68E-06 | 4.06E-04 | - | 4.06E-04 | 1.19E-04 | 3 | 75 |
| 1,2,3,6,7,8-HxCDF | pg/m$^3$ | - | - | - | 2.09E-04 | 4.03E-06 | 3.86E-04 | - | 3.86E-04 | 2.38E-04 | 3 | 75 |
| 2,3,4,6,7,8-HxCDF | pg/m$^3$ | - | - | - | 1.31E-04 | 6.74E-06 | 1.98E-04 | - | 1.98E-04 | 1.88E-04 | 3 | 75 |
| 1,2,3,7,8,9-HxCDF | pg/m$^3$ | - | - | - | 1.83E-04 | 3.32E-06 | 3.48E-04 | - | 1.98E-04 | 3.48E-04 | 3 | 75 |
| 1,2,3,4,6,7,8-HpCDF | pg/m$^3$ | - | - | - | 7.50E-05 | 7.15E-06 | 1.20E-04 | - | 9.74E-05 | 1.20E-04 | 3 | 75 |
| 1,2,3,4,7,8,9-HpCDF | pg/m$^3$ | - | - | - | 1.73E-05 | 1.02E-06 | 3.45E-05 | - | 1.65E-05 | 3.45E-05 | 3 | 75 |
| OCDF | pg/m$^3$ | - | - | - | 5.92E-06 | 2.28E-06 | 1.05E-05 | - | 2.28E-06 | 1.05E-05 | 3 | 75 |
| Total Toxic Equivalency | pg TEQ/m$^3$ | *0.1 1*[1] | - | 0 | 6.36E-03 | 8.72E-04 | 1.17E-02 | - | 1.17E-02 | 6.51E-03 | 3 | 75 |

Note: All non-detectable results were reported as 1/2 of the detection limit
[1] O. Reg. 419/05 Schedule Upper Risk Thresholds

# 6 DATA REQUESTS

The following sections outline any instrumentation issues encountered that have caused data loss at any of the monitors at each of the stations.

**Appendix C** contains monthly IZS zero trends for the $NO_X$ and $SO_2$ analyzers at the Courtice and Rundle Road Stations.

Edit logs identifying missing data, maintenance times, calibrations and any other missing data have been included in **Appendix D**.

## 6.1 Courtice Road Station

### 6.1.1 Continuous Monitoring

On February 4th, RWDI personnel responded to falling overnight IZS results from the NOx unit. A single point calibration check was performed, confirming proper operation of the analyzer, and confirming that the cause of the dropping span checks was a result of perm tube depletion. This check also confirmed that there is no need for any data invalidation related to this issue. Following the calibration check, a new permeation tube was installed.

On March 6th, gas phase titration (GPT) converter checks were performed on the NOx unit.

On March 20th, a power failure occurred that affected all of the continuous criteria air contaminant parameters recorded at the station between 07:00 and 08:00.

### 6.1.2 Discrete Monitoring

On January 15th, the hardwiring of the Hi-Vol and PUF units at the Courtice Station was started and was completed on January 17th.

In early January, it was noted by the RWDI field technician that the PUF motor couldn't get up to the correct setpoint. After discussion with the laboratory, ALS, it was revealed that they had changed suppliers of the quartz filters. On January 20, the RWDI field technician experimented with both filters and found that it was indeed the change in supplier filter that caused the issue. This error resulted in the January 4th and 16th samples being invalid, as they were not able to reach the correct sample volumes based on the existing calibration at the time. The supplier filter was changed back to what had been used previously.

The TSP sample on February 21st was invalid due to sample volume capture being outside of the allowable bounds.

On March 5th, the hivol and PUF pressure transducers and relay bypass switches were enclosed in an electrical box.

On March 6th, the PUF sampler was calibrated, and on March 7th the hivol brushes were changed and the sampler was calibrated. The pressure transducers were also calibrated on March 7th.

## 6.2 Rundle Road Station

### 6.2.1 Continuous Monitoring

On January 7th, RWDI personnel responded to falling overnight IZS results from the NOx unit. A single point calibration check was performed, confirming proper operation of the analyzer, and confirming that the cause of the dropping span checks was a result of perm tube depletion. This check also confirmed that there is no need for any data invalidation related to this issue. The permeation tube was replaced on January 16th.

On March 3rd, annual maintenance was performed at Rundle Road Station. This included cleaning the reaction cell and rebuilding the critical orifices.

On March 4th, GPT converter checks were performed on the NOx unit.

### 6.2.2 Discrete Monitoring

On January 7th, the hardwiring of the Hi-Vol and PUF units at the Rundle Road Station was started and was completed on January 8th.

On January 20th, ice was found on the TSP Hi-vol filter at the Rundle Road Station. The January 16th sample was not submitted and was invalidated.

On February 5th, the hivol pressure transducer was calibrated and rezeroed

The TSP sample on February 21st was invalid due to sample volume capture being outside of the allowable bounds.

On February 28th, snow was found inside the TSP Hi-vol inlet at Rundle Road Station. The snow may have restricted flow through the motor causing the GFCI to trip. The February 27th sample was therefore invalid and not submitted for analysis.

On March 6th, the PUF samplers was calibrated, and on March 7th the hivol brushes were changed and the sampler was calibrated.

On March 7th, the hivol and PUF pressure transducers and relay bypass switches were enclosed in an electrical box. The pressure transducers were also calibrated on March 7th.

# 7 CONCLUSIONS

This Q1 report provides a summary of the ambient air quality data collected at the Courtice and Rundle Road Stations. Throughout this monitoring period, there was one (1) exceedance of the AAQC for Benzo(a) Pyrene which occurred on March 28th at the Rundle Road Station, one (1) exceedance event of the rolling 10-minute AAQC for $SO_2$ at the Courtice Station on January 24th and four (4) exceedance events of the rolling 1-hour AAQC for $SO_2$ at the Courtice Station on January 24th. The Benzo(a) Pyrene exceedance which occurred on March 28th at the Rundle Road Station was likely attributed to sources other than the DYEC based on the interpretation of the wind rose. The $SO_2$ exceedances that occurred at the Courtice Station on January 24th originated from the E and ESE directions suggesting that sources could include industrial sources along the lakeshore. It is unlikely that any significant contribution of measured $SO_2$ came from the DYEC. Data recovery rates were acceptable and valid for all measured Q1 parameters.

# 8 REFERENCES

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2. Canadian Council of Ministers of the Environment (CCME), 2019. Guidance Document on Air Zone Management. PN 1593 978-1-77202-050-2 PDF

3. Ontario Ministry of the Environment and Climate Change, 2018. [Technical Assessment and Standards Development Branch] Ontario Air Standards for Sulphur Dioxide ($SO_2$). [Online]

4. Ontario Ministry of the Environment and Climate Change, 2012. [Standards Development Branch] Ontario's Ambient Air Quality Criteria (Sorted by Contaminant Name). PIBS #6570e01

# APPENDIX A

## Table A1: 2020 Summary Statistics for Q1

| Courtice Monitoring Station Data Statistics | Maximum 10 min Rolling Mean | Maximum 1 hr Rolling Mean | | | | | Maximum 24 hr Rolling Mean | | | | | Monthly Mean | | | | | % valid hours | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Compound | $SO_2$ | $PM_{2.5}$ | $NO_x$ | NO | $NO_2$ | $SO_2$ | $PM_{2.5}$ | $NO_x$ | NO | $NO_2$ | $SO_2$ | $PM_{2.5}$ | $NO_x$ | NO | $NO_2$ | $SO_2$ | $PM_{2.5}$ | $NO_x$ | NO | $NO_2$ | $SO_2$ |
| Units | ppb | ($\mu g/m^3$) | ppb | | | | ($\mu g/m^3$) | ppb | | | | ($\mu g/m^3$) | ppb | | | | (%) | | | | |
| AAQC | 67 | | | | 200 | 40 | 27[A] | | | 100 | | | | | | | | | | | |
| January | 79.067 | 45.2 | 98.8 | 59.7 | 40.1 | 56.223 | 19.9 | 38.3 | 14.5 | 25.6 | 20.407 | 6.2 | 8.9 | 1.7 | 7.2 | 1.953 | 99.9 | 99.7 | 99.7 | 99.7 | 99.7 |
| February | 48.302 | 33.5 | 45.9 | 17.4 | 33.5 | 25.315 | 16.1 | 13.0 | 1.9 | 12.2 | 4.828 | 6.1 | 5.5 | 0.5 | 5.2 | 1.031 | 99.7 | 99.4 | 99.4 | 99.4 | 99.7 |
| March | 36.724 | 42.6 | 70.2 | 48.3 | 38.4 | 21.798 | 16.9 | 21.7 | 3.8 | 18.0 | 4.865 | 6.1 | 5.9 | 1.1 | 4.8 | 1.076 | 99.6 | 99.3 | 99.3 | 99.3 | 99.6 |
| Q1 Arithmetic Mean | | | | | | | | | | | | 6.1 | 6.7 | 1.1 | 5.7 | 1.353 | 99.7 | 99.5 | 99.5 | 99.5 | 99.7 |

| Rundle Monitoring Station Data Statistics | Maximum 10 min Rolling Mean | Maximum 1 hr Rolling Mean | | | | | Maximum 24 hr Rolling Mean | | | | | Monthly Mean | | | | | % valid hours | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Compound | $SO_2$ | $PM_{2.5}$ | $NO_x$ | NO | $NO_2$ | $SO_2$ | $PM_{2.5}$ | $NO_x$ | NO | $NO_2$ | $SO_2$ | $PM_{2.5}$ | $NO_x$ | NO | $NO_2$ | $SO_2$ | $PM_{2.5}$ | $NO_x$ | NO | $NO_2$ | $SO_2$ |
| Units | ppb | ($\mu g/m^3$) | ppb | | | | ($\mu g/m^3$) | ppb | | | | ($\mu g/m^3$) | ppb | | | | (%) | | | | |
| AAQC | 67 | | | | 200 | 40 | 27[A] | | | 100 | | | | | | | | | | | |
| January | 18.873 | 51.6 | 66.9 | 31.7 | 35.3 | 15.181 | 17.3 | 22.1 | 5.0 | 17.2 | 1.976 | 5.7 | 6.9 | 1.1 | 5.9 | 0.556 | 99.7 | 99.1 | 99.1 | 99.1 | 99.7 |
| February | 3.723 | 28.7 | 43.6 | 16.4 | 28.9 | 2.044 | 14.9 | 14.9 | 2.9 | 12.3 | 0.937 | 5.8 | 5.4 | 0.9 | 4.6 | 0.368 | 99.9 | 99.7 | 99.7 | 99.7 | 99.7 |
| March | 16.816 | 43.4 | 55.8 | 33.9 | 26.3 | 5.452 | 12.6 | 14.4 | 4.0 | 12.2 | 0.638 | 5.2 | 5.3 | 1.1 | 4.3 | 0.141 | 99.7 | 98.0 | 98.0 | 98.0 | 99.7 |
| Q1 Arithmetic Mean | | | | | | | | | | | | 5.6 | 5.9 | 1.0 | 4.9 | 0.355 | 99.8 | 98.9 | 98.9 | 98.9 | 99.7 |

| Event Statistics | Rolling Mean > 10 min AAQC for Courtice | Rolling Mean > 10 min AAQC for Rundle | Rolling Mean > 1 hr AAQC for Courtice | | | Rolling Mean > 1 hr AAQC for Rundle | | | Rolling Mean > 24 hr AAQC for Courtice Monitoring Station | | | Rolling Mean > 24 hr AAQC for Rundle Monitoring Station | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Compound | $SO_2$ | $SO_2$ | $PM_{2.5}$ | $NO_2$ | $SO_2$ | $PM_{2.5}$ | $NO_2$ | $SO_2$ | $PM_{2.5}$ | $NO_2$ | $SO_2$ | $PM_{2.5}$ | $NO_2$ | $SO_2$ |
| Units | No. | No. | No. | | | No. | | | No. | | | No. | | |
| January | 1 | 0 | | 0 | 4 | | 0 | 0 | N/A | 0 | | N/A | 0 | |
| February | 0 | 0 | | 0 | 0 | | 0 | 0 | N/A | 0 | | N/A | 0 | |
| March | 0 | 0 | | 0 | 0 | | 0 | 0 | N/A | 0 | | N/A | 0 | |
| Q1 Total | 1 | 0 | | 0 | 4 | | 0 | 0 | N/A | 0 | | N/A | 0 | |

| Courtice Station MET Statistics | Maximum 1 hr Mean | | | | | Minimum 1 hr Mean | | | | | Monthly Mean | | | | | Total | % valid hours | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | WS | Temp | RH | Pres | Rain | WS | Temp | RH | Pres | Rain | WS | Temp | RH | Pres | Rain | Rain | WS | WD | Temp | RH | Pres | Rain |
| Units | (km/hr) | (°C) | (%) | "Hg | mm | (km/hr) | (°C) | (%) | "Hg | mm | (km/hr) | (°C) | (%) | "Hg | mm | mm | (%) | | | | | |
| January | 37 | 11 | 97 | 30.6 | 5.4 | 1 | -16 | 42 | 29.2 | 0.0 | 13 | -1 | 73 | 29.8 | 0.2 | 130.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| February | 38 | 6 | 97 | 30.3 | 1.3 | 1 | -22 | 35 | 29.0 | 0.0 | 14 | -3 | 68 | 29.7 | 0.0 | 26.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| March | 38 | 13 | 97 | 30.4 | 5.3 | 0 | -15 | 25 | 29.1 | 0.0 | 14 | 3 | 70 | 29.8 | 0.1 | 104.1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Q1 Arithmetic Mean | | | | | | | | | | | 14 | 0 | 70 | 29.8 | 0.1 | 261.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

| Rundle Station MET Statistics | Maximum 1 hr Mean | | | | Minimum 1 hr Mean | | | | Monthly Mean | | | | Total | % valid hours | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Parameter | WS | Temp | RH | Rain | WS | Temp | RH | Rain | WS | Temp | RH | Rain | Rain | WS | WD | Temp | RH | Rain |
| Units | (km/hr) | (°C) | (%) | mm | (km/hr) | (°C) | (%) | mm | (km/hr) | (°C) | (%) | mm | mm | (%) | | | | |
| January | 32 | 11 | 99 | 6.4 | 0 | -19 | 44 | 0.0 | 12 | -2 | 77 | 0.2 | 116.1 | 100.0 | 96.2 | 100.0 | 100.0 | 100.0 |
| February | 39 | 7 | 99 | 2.0 | 0 | -23 | 32 | 0.0 | 12 | -3 | 70 | 0.0 | 21.9 | 100.0 | 98.9 | 100.0 | 100.0 | 100.0 |
| March | 34 | 15 | 99 | 5.2 | 0 | -17 | 26 | 0.0 | 12 | 2 | 73 | 0.1 | 82.2 | 100.0 | 96.2 | 100.0 | 100.0 | 100.0 |
| Q1 Arithmetic Mean | | | | | | | | | 12 | -1 | 73 | 0.1 | 220.2 | 100.0 | 97.1 | 100.0 | 100.0 | 100.0 |

**Table A2: 2020 Q1 Station Courtice Monitoring Results for $PM_{2.5}$**

| Data Statistics | Rolling Mean > 24 hr AAQC | Arithmetic Mean | Maximum 1 hr Rolling Mean | Maximum 24 hr Rolling Mean | Number of valid Hours | % valid data |
|---|---|---|---|---|---|---|
| Month | $PM_{2.5}$ | $PM_{2.5}$ | $PM_{2.5}$ | $PM_{2.5}$ | $PM_{2.5}$ | $PM_{2.5}$ |
| | No. | ($ug/m^3$) | ($ug/m^3$) | ($ug/m^3$) | No. | % |
| January | N/A | 6.2 | 45.2 | 19.9 | 743 | 99.9 |
| February | N/A | 6.1 | 33.5 | 16.1 | 694 | 99.7 |
| March | N/A | 6.1 | 42.6 | 16.9 | 741 | 99.6 |

**Table A3: 2020 Q1 Station Rundle Monitoring Results for $PM_{2.5}$**

| Data Statistics | Rolling Mean > 24 hr AAQC | Arithmetic Mean | Maximum 1 hr Mean | Maximum 24 hr Rolling Mean | Number of valid Hours | % valid data |
|---|---|---|---|---|---|---|
| Month | $PM_{2.5}$ | $PM_{2.5}$ | $PM_{2.5}$ | $PM_{2.5}$ | $PM_{2.5}$ | $PM_{2.5}$ |
| | No. | ($ug/m^3$) | ($ug/m^3$) | ($ug/m^3$) | No. | % |
| January | N/A | 5.7 | 51.6 | 17.3 | 742 | 99.7 |
| February | N/A | 5.8 | 28.7 | 14.9 | 695 | 99.9 |
| March | N/A | 5.2 | 43.4 | 12.6 | 742 | 99.7 |

**Table A4: 2020 Q1 Station Courtice Monitoring Results for NOx**

| Data Statistics | Events > 1 hr AAQC | Events > 24 hr AAQC | Arithmetic Mean | Maximum 1 hr Rolling Mean | Maximum 24 hr Rolling Mean | Number of valid Hours | % valid data |
|---|---|---|---|---|---|---|---|
| Month | $NO_x$ | $NO_x$ | $NO_x$ | $NO_x$ | $NO_x$ | $NO_x$ | $NO_x$ |
| | No. | No. | (ppb) | (ppb) | (ppb) | No. | % |
| January | N/A | N/A | 8.9 | 98.8 | 38.3 | 742 | 99.7 |
| February | N/A | N/A | 5.5 | 45.9 | 13.0 | 692 | 99.4 |
| March | N/A | N/A | 5.9 | 70.2 | 21.7 | 739 | 99.3 |

**Table A5: 2020 Q1 Station Rundle Monitoring Results for NOx**

| Data Statistics | Events > 1 hr AAQC | Events > 24 hr AAQC | Arithmetic Mean | Maximum 1 hr Rolling Mean | Maximum 24 hr Rolling Mean | Number of valid Hours | % valid data |
|---|---|---|---|---|---|---|---|
| Month | $NO_x$ | $NO_x$ | $NO_x$ | $NO_x$ | $NO_x$ | $NO_x$ | $NO_x$ |
| | No. | No. | (ppb) | (ppb) | (ppb) | No. | % |
| January | N/A | N/A | 6.9 | 66.9 | 22.1 | 737 | 99.1 |
| February | N/A | N/A | 5.4 | 43.6 | 14.9 | 694 | 99.7 |
| March | N/A | N/A | 5.3 | 55.8 | 14.4 | 729 | 98.0 |

**Table A6: 2020 Q1 Station Courtice  Monitoring Results for NO**

| Data Statistics | Events > 1 hr AAQC | Events > 24 hr AAQC | Arithmetic Mean | Maximum 1 hr Rolling Mean | Maximum 24 hr Rolling Mean | Number of valid Hours | % valid data |
|---|---|---|---|---|---|---|---|
| Month | NO | NO | NO | NO | NO | NO | NO |
| | No. | No. | (ppb) | (ppb) | (ppb) | No. | % |
| January | N/A | N/A | 1.7 | 59.7 | 14.5 | 742 | 99.7 |
| February | N/A | N/A | 0.5 | 17.4 | 1.9 | 692 | 99.4 |
| March | N/A | N/A | 1.1 | 48.3 | 3.8 | 739 | 99.3 |

**Table A7: 2020 Q1 Station Rundle Monitoring Results for NO**

| Data Statistics | Events > 1 hr AAQC | Events > 24 hr AAQC | Arithmetic Mean | Maximum 1 hr Rolling Mean | Maximum 24 hr Rolling Mean | Number of valid Hours | % valid data |
|---|---|---|---|---|---|---|---|
| Month | NO | NO | NO | NO | NO | NO | NO |
| | No. | No. | (ppb) | (ppb) | (ppb) | No. | % |
| January | N/A | N/A | 1.1 | 31.7 | 5.0 | 737 | 99.1 |
| February | N/A | N/A | 0.9 | 16.4 | 2.9 | 694 | 99.7 |
| March | N/A | N/A | 1.1 | 33.9 | 4.0 | 729 | 98.0 |

**Table A8: 2020 Q1 Station Courtice Monitoring Results for $NO_2$**

| Data Statistics | Events > 1 hr AAQC | Rolling Mean > 24 hr AAQC | Arithmetic Mean | Maximum 1 hr Rolling Mean | Maximum 24 hr Rolling Mean | Number of valid Hours | % valid data |
|---|---|---|---|---|---|---|---|
| Month | $NO_2$ | $NO_2$ | $NO_2$ | $NO_2$ | $NO_2$ | $NO_2$ | $NO_2$ |
| | No. | No. | (ppb) | (ppb) | (ppb) | No. | % |
| January | 0 | 0 | 7.2 | 40.1 | 25.6 | 742 | 99.7 |
| February | 0 | 0 | 5.2 | 33.5 | 12.2 | 692 | 99.4 |
| March | 0 | 0 | 4.8 | 38.4 | 18.0 | 739 | 99.3 |

**Table A9: 2020 Q1 Station Rundle Monitoring Results for $NO_2$**

| Data Statistics | Events > 1 hr AAQC | Rolling Mean > 24 hr AAQC | Arithmetic Mean | Maximum 1 hr Rolling Mean | Maximum 24 hr Rolling Mean | Number of valid Hours | % valid data |
|---|---|---|---|---|---|---|---|
| Month | $NO_2$ | $NO_2$ | $NO_2$ | $NO_2$ | $NO_2$ | $NO_2$ | $NO_2$ |
| | No. | No. | (ppb) | (ppb) | (ppb) | No. | % |
| January | 0 | 0 | 5.9 | 35.3 | 17.2 | 737 | 99.1 |
| February | 0 | 0 | 4.6 | 28.9 | 12.3 | 694 | 99.7 |
| March | 0 | 0 | 4.3 | 26.3 | 12.2 | 729 | 98.0 |

**Table A10: 2020 Q1 Station Courtice Monitoring Results for $SO_2$**

| Data Statistics | Events > 10 min AAQC | Events > 1 hr AAQC | Arithmetic Mean | Maximum 10 min Rolling Mean | Maximum 1 hr Rolling Mean | Maximum 24 hr Rolling Mean | Number of valid Hours | % valid data |
|---|---|---|---|---|---|---|---|---|
| Month | $SO_2$ | $SO_2$ | $SO_2$ | $SO_2$ | $SO_2$ | $SO_2$ | $SO_2$ | $SO_2$ |
| | No. | No. | (ppb) | (ppb) | (ppb) | (ppb) | No. | % |
| January | 1 | 4 | 1.953 | 79.067 | 56.223 | 20.407 | 742 | 99.7 |
| February | 0 | 0 | 1.031 | 48.302 | 25.315 | 4.828 | 694 | 99.7 |
| March | 0 | 0 | 1.076 | 36.724 | 21.798 | 4.865 | 741 | 99.6 |

**Table A11: 2020 Q1 Station Rundle Monitoring Results for $SO_2$**

| Data Statistics | Events > 10 min AAQC | Events > 1 hr AAQC | Arithmetic Mean | Maximum 10 min Rolling Mean | Maximum 1 hr Rolling Mean | Maximum 24 hr Rolling Mean | Number of valid Hours | % valid data |
|---|---|---|---|---|---|---|---|---|
| Month | $SO_2$ | $SO_2$ | $SO_2$ | $SO_2$ | $SO_2$ | $SO_2$ | $SO_2$ | $SO_2$ |
| | No. | No. | (ppb) | (ppb) | (ppb) | (ppb) | No. | % |
| January | 0 | 0 | 0.556 | 18.873 | 15.181 | 1.976 | 742 | 99.7 |
| February | 0 | 0 | 0.368 | 3.723 | 2.044 | 0.937 | 694 | 99.7 |
| March | 0 | 0 | 0.141 | 16.816 | 5.452 | 0.638 | 742 | 99.7 |

**Table A12: 2020 Q1 Courtice Meterological Station Windspeed Data Summary**

| MET Statistics | Maximum 1 hr Mean | Minimum 1 hr | Quarterly Mean | % valid hours |
|---|---|---|---|---|
| Month | Wind Speed | Wind Speed | Wind Speed | Wind Speed |
| | (km/hr) | (km/hr) | (km/hr) | (%) |
| January | 37.3 | 0.5 | 13.1 | 99.9 |
| February | 38.0 | 1.0 | 13.8 | 100.0 |
| March | 38.0 | 0.3 | 13.6 | 100.0 |

**Table A13: 2020 Q1 Rundle Meterological Station Windspeed Data Summary**

| MET Statistics | Maximum 1 hr Mean | Minimum 1 hr | Quarterly Mean | % valid hours |
|---|---|---|---|---|
| Month | Wind Speed | Wind Speed | Wind Speed | Wind Speed |
| | (km/hr) | (km/hr) | (km/hr) | (%) |
| January | 32.2 | 0.3 | 11.5 | 100.0 |
| February | 38.7 | 0.4 | 12.4 | 100.0 |
| March | 34.4 | 0.4 | 12.0 | 100.0 |

**Table A14: 2020 Q1 Courtice Meterological Station Wind Direction Data Summary**

| MET Statistics | % valid hours |
|---|---|
| Month | Wind Direction |
| | (%) |
| January | 99.9 |
| February | 100.0 |
| March | 100.0 |

**Table A15: 2020 Q1 Rundle Meterological Station Wind Direction Data Summary**

| MET Statistics | % valid hours |
|---|---|
| Month | Wind Direction |
| | (%) |
| January | 96.2 |
| February | 98.9 |
| March | 96.2 |

**Table A16: 2020 Q1 Courtice Meterological Station Temperature Data Summary**

| MET Statistics | Maximum 1 hr Mean | Minimum 1 hr | Quarterly Mean | % valid hours |
|---|---|---|---|---|
| Month | Temperature | Temperature | Temperature | Temperature |
| | (°C) | (°C) | (°C) | (%) |
| January | 10.6 | -16.0 | -1.5 | 100.0 |
| February | 5.7 | -21.8 | -2.5 | 100.0 |
| March | 13.0 | -15.3 | 2.6 | 100.0 |

**Table A17: 2020 Q1 Rundle Meterological Station Temperature Data Summary**

| MET Statistics | Maximum 1 hr Mean | Minimum 1 hr | Quarterly Mean | % valid hours |
|---|---|---|---|---|
| Month | Temperature | Temperature | Temperature | Temperature |
| | (°C) | (°C) | (°C) | (%) |
| January | 10.7 | -18.9 | -2.0 | 100.0 |
| February | 6.7 | -22.8 | -3.0 | 100.0 |
| March | 14.9 | -17.4 | 2.2 | 100.0 |

**Table A18: 2020 Q1 Courtice Meterological Station Relative Humidity Data Summary**

| MET Statistics | Maximum 1 hr Mean | Minimum 1 hr | Monthly Mean | % valid hours |
|---|---|---|---|---|
| Month | Relative Humidity | Relative Humidity | Relative Humidity | Relative Humidity |
| | (%) | (%) | (%) | (%) |
| January | 96.6 | 41.7 | 72.9 | 100.0 |
| February | 96.5 | 35.1 | 67.6 | 100.0 |
| March | 96.7 | 24.5 | 70.2 | 100.0 |

**Table A19: 2020 Q1 Rundle Meterological Station Relative Humidity Data Summary**

| MET Statistics | Maximum 1 hr Mean | Minimum 1 hr | Monthly Mean | % valid hours |
|---|---|---|---|---|
| Month | Relative Humidity | Relative Humidity | Relative Humidity | Relative Humidity |
| | (%) | (%) | (%) | (%) |
| January | 99.2 | 43.8 | 76.5 | 100.0 |
| February | 99.0 | 31.8 | 70.4 | 100.0 |
| March | 99.0 | 26.1 | 72.9 | 100.0 |

**Table A20: 2020 Q1 Courtice Meterological Station Precipitation Data Summary**

| MET Statistics | Maximum 1 hr Mean | Minimum 1 hr | Monthly Mean | Total | % valid hours |
|---|---|---|---|---|---|
| Month | Precipitation | Precipitation | Precipitation | Precipitation | Precipitation |
| | (mm) | (mm) | (mm) | (mm) | (mm) |
| January | 5.4 | 0.0 | 0.2 | 130.7 | 100.0 |
| February | 1.3 | 0.0 | 0.0 | 26.9 | 100.0 |
| March | 5.3 | 0.0 | 0.1 | 104.1 | 100.0 |

**Table A21: 2020 Q1 Rundle Meterological Station Precipitation Data Summary**

| MET Statistics | Maximum 1 hr Mean | Minimum 1 hr | Monthly Mean | Total | % valid hours |
|---|---|---|---|---|---|
| Month | Precipitation | Precipitation | Precipitation | Precipitation | Precipitation |
| | (mm) | (mm) | (mm) | (mm) | (mm) |
| January | 6.4 | 0.0 | 0.2 | 116.1 | 100.0 |
| February | 2.0 | 0.0 | 0.0 | 21.9 | 100.0 |
| March | 5.2 | 0.0 | 0.1 | 82.2 | 100.0 |

**Table A22: 2020 Q1 Courtice Meterological Station Pressure Data Summary**

| MET Statistics | Maximum 1 hr Mean | Minimum 1 hr | Quarterly Mean | % valid hours |
|---|---|---|---|---|
| Month | Pressure | Pressure | Pressure | Pressure |
| | (mmHg) | (mmHg) | (mmHg) | (%) |
| January | 30.6 | 29.2 | 29.8 | 100.0 |
| February | 30.3 | 29.0 | 29.7 | 100.0 |
| March | 30.4 | 29.1 | 29.8 | 100.0 |

# APPENDIX B

**Table B1: Summary of Sample Flow Rate and Sample Duration for Dioxins & Furans**

| Sample Date | Courtice | | | Rundle | | |
|---|---|---|---|---|---|---|
| | Filter ID | Sample Duration | Sample Volume | Filter ID | Sample Duration | Sample Volume |
| | No. | (min) | ($m^3$) | No. | (min) | ($m^3$) |
| January 16, 2020 | L2408725-2 | 1440 | 295 | Invalid Sample | | |
| February 9, 2020 | L2416088-1 | 1441 | 331 | L2416088-2 | 1441 | 303 |
| March 4, 2020 | L2426134-1 | 1441 | 326 | L2426134-2 | 1438 | 313 |
| March 28, 2020 | L2433655-2 | 1441 | 319 | L2433655-1 | 1440 | 319 |

**Table B2: 2020 Courtice Station Q1 Monitoring Results for Dioxins & Furans**

| Contaminant | Units | *MECP Criteria* | *HHRA Health Based Criteria* | 16-Jan-20 | 9-Feb-20 | 4-Mar-20 | 28-Mar-20 | No. > Criteria | Arithmetic Mean | Q1 Minimum Concentration | Q1 Maximum Concentration | January Maximum Concentration | February Maximum Concentration | March Maximum Concentration | Number of Valid Samples | % Valid data |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | $pg/m^3$ | - | - | 1.53E-03 | 9.82E-04 | 1.69E-03 | 8.31E-04 | - | 1.26E-03 | 8.31E-04 | 1.69E-03 | 1.53E-03 | 9.82E-04 | 1.69E-03 | 4 | 100 |
| 1,2,3,7,8-PeCDD | $pg/m^3$ | - | - | 7.97E-04 | 1.51E-03 | 1.78E-03 | 1.57E-06 | - | 1.02E-03 | 1.57E-06 | 1.78E-03 | 7.97E-04 | 1.51E-03 | 1.78E-03 | 4 | 100 |
| 1,2,3,4,7,8-HxCDD | $pg/m^3$ | - | - | 8.14E-05 | 2.11E-04 | 8.90E-05 | 1.89E-06 | - | 9.59E-05 | 1.89E-06 | 2.11E-04 | 8.14E-05 | 2.11E-04 | 8.90E-05 | 4 | 100 |
| 1,2,3,6,7,8-HxCDD | $pg/m^3$ | - | - | 1.00E-04 | 6.95E-04 | 1.69E-04 | 7.81E-06 | - | 2.43E-04 | 7.81E-06 | 6.95E-04 | 1.00E-04 | 6.95E-04 | 1.69E-04 | 4 | 100 |
| 1,2,3,7,8,9-HxCDD | $pg/m^3$ | - | - | 7.63E-05 | 5.80E-04 | 4.33E-04 | 3.44E-06 | - | 2.73E-04 | 3.44E-06 | 5.80E-04 | 7.63E-05 | 5.80E-04 | 4.33E-04 | 4 | 100 |
| 1,2,3,4,6,7,8-HpCDD | $pg/m^3$ | - | - | 3.97E-04 | 7.01E-04 | 4.91E-04 | 1.02E-04 | - | 4.23E-04 | 1.02E-04 | 7.01E-04 | 3.97E-04 | 7.01E-04 | 4.91E-04 | 4 | 100 |
| OCDD | $pg/m^3$ | - | - | 2.72E-05 | 5.26E-05 | 4.77E-05 | 3.12E-04 | - | 1.10E-04 | 2.72E-05 | 3.12E-04 | 2.72E-05 | 5.26E-05 | 3.12E-04 | 4 | 100 |
| 2,3,7,8-TCDF | $pg/m^3$ | - | - | 1.14E-04 | 2.51E-04 | 1.60E-04 | 1.33E-06 | - | 1.31E-04 | 1.33E-06 | 2.51E-04 | 1.14E-04 | 2.51E-04 | 1.60E-04 | 4 | 100 |
| 1,2,3,7,8-PeCDF | $pg/m^3$ | - | - | 2.24E-05 | 4.53E-05 | 6.35E-05 | 1.94E-06 | - | 3.33E-05 | 1.94E-06 | 6.35E-05 | 2.24E-05 | 4.53E-05 | 6.35E-05 | 4 | 100 |
| 2,3,4,7,8-PeCDF | $pg/m^3$ | - | - | 2.03E-04 | 7.34E-04 | 7.82E-04 | 3.54E-06 | - | 4.31E-04 | 3.54E-06 | 7.82E-04 | 2.03E-04 | 7.34E-04 | 7.82E-04 | 4 | 100 |
| 1,2,3,4,7,8-HxCDF | $pg/m^3$ | - | - | 9.15E-05 | 1.51E-04 | 1.13E-04 | 1.52E-06 | - | 8.94E-05 | 1.52E-06 | 1.51E-04 | 9.15E-05 | 1.51E-04 | 1.13E-04 | 4 | 100 |
| 1,2,3,6,7,8-HxCDF | $pg/m^3$ | - | - | 8.47E-05 | 4.47E-04 | 1.99E-04 | 3.78E-06 | - | 1.84E-04 | 3.78E-06 | 4.47E-04 | 8.47E-05 | 4.47E-04 | 1.99E-04 | 4 | 100 |
| 2,3,4,6,7,8-HxCDF | $pg/m^3$ | - | - | 8.98E-05 | 1.81E-04 | 4.88E-04 | 6.49E-06 | - | 1.91E-04 | 6.49E-06 | 4.88E-04 | 8.98E-05 | 1.81E-04 | 4.88E-04 | 4 | 100 |
| 1,2,3,7,8,9-HxCDF | $pg/m^3$ | - | - | 1.03E-04 | 5.23E-04 | 3.10E-04 | 2.33E-06 | - | 2.35E-04 | 2.33E-06 | 5.23E-04 | 1.03E-04 | 5.23E-04 | 3.10E-04 | 4 | 100 |
| 1,2,3,4,6,7,8-HpCDF | $pg/m^3$ | - | - | 3.93E-05 | 4.83E-05 | 9.60E-05 | 1.76E-05 | - | 5.03E-05 | 1.76E-05 | 9.60E-05 | 3.93E-05 | 4.83E-05 | 9.60E-05 | 4 | 100 |
| 1,2,3,4,7,8,9-HpCDF | $pg/m^3$ | - | - | 6.95E-06 | 4.26E-05 | 1.81E-05 | 5.36E-06 | - | 1.83E-05 | 5.36E-06 | 4.26E-05 | 6.95E-06 | 4.26E-05 | 1.81E-05 | 4 | 100 |
| OCDF | $pg/m^3$ | - | - | 2.09E-06 | 6.68E-06 | 4.43E-06 | 1.28E-05 | - | 6.49E-06 | 2.09E-06 | 1.28E-05 | 2.09E-06 | 6.68E-06 | 1.28E-05 | 4 | 100 |
| Total Toxic Equivalency | pg $TEQ/m^3$ | *0.1*<br>*1* [1] | - | 3.76E-03 | 7.16E-03 | 6.93E-03 | 1.32E-03 | 0 | 4.79E-03 | 1.32E-03 | 7.16E-03 | 3.76E-03 | 7.16E-03 | 6.93E-03 | 4 | 100 |

NOTE: All non-detectable results were reported as 1/2 of the detection limit

[1] O. Reg. 419/05 Schedule Upper Risk Thresholds

**Table B3: 2020 Rundle Station Q1 Monitoring Results for Dioxins & Furans**

| Contaminant | Units | *MECP Criteria* | *HHRA Health Based Criteria* | 16-Jan-20 | 9-Feb-20 | 4-Mar-20 | 28-Mar-20 | MECP Criteria ($\mu g/m^3$) | No. > Criteria | Arithmetic Mean | Q1 Minimum Concentration | Q1 Maximum Concentration | January Maximum Concentration | February Maximum Concentration | March Maximum Concentration | Number of Valid Samples | % Valid data |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2,3,7,8-TCDD | $pg/m^3$ | - | - | Invalid Sample | 6.04E-03 | 5.11E-04 | 8.31E-04 | - | - | 2.46E-03 | 5.11E-04 | 6.04E-03 | 0.00E+00 | 6.04E-03 | 8.31E-04 | 3 | 75 |
| 1,2,3,7,8-PeCDD | $pg/m^3$ | - | - | | 1.42E-03 | 2.50E-06 | 2.76E-03 | - | - | 1.39E-03 | 2.50E-06 | 2.76E-03 | 0.00E+00 | 1.42E-03 | 2.76E-03 | 3 | 75 |
| 1,2,3,4,7,8-HxCDD | $pg/m^3$ | - | - | | 5.68E-04 | 1.07E-06 | 1.10E-04 | - | - | 2.26E-04 | 1.07E-06 | 5.68E-04 | 0.00E+00 | 5.68E-04 | 1.10E-04 | 3 | 75 |
| 1,2,3,6,7,8-HxCDD | $pg/m^3$ | - | - | | 6.50E-04 | 2.22E-06 | 3.76E-04 | - | - | 3.43E-04 | 2.22E-06 | 6.50E-04 | 0.00E+00 | 6.50E-04 | 3.76E-04 | 3 | 75 |
| 1,2,3,7,8,9-HxCDD | $pg/m^3$ | - | - | | 5.91E-04 | 3.98E-06 | 2.19E-04 | - | - | 2.71E-04 | 3.98E-06 | 5.91E-04 | 0.00E+00 | 5.91E-04 | 2.19E-04 | 3 | 75 |
| 1,2,3,4,6,7,8-HpCDD | $pg/m^3$ | - | - | | 3.14E-04 | 7.76E-05 | 5.89E-04 | - | - | 3.27E-04 | 7.76E-05 | 5.89E-04 | 0.00E+00 | 3.14E-04 | 5.89E-04 | 3 | 75 |
| OCDD | $pg/m^3$ | - | - | | 5.61E-05 | 2.26E-04 | 5.86E-05 | - | - | 1.14E-04 | 5.61E-05 | 2.26E-04 | 0.00E+00 | 5.61E-05 | 2.26E-04 | 3 | 75 |
| 2,3,7,8-TCDF | $pg/m^3$ | - | - | | 1.52E-04 | 1.66E-06 | 6.43E-05 | - | - | 7.26E-05 | 1.66E-06 | 1.52E-04 | 0.00E+00 | 1.52E-04 | 6.43E-05 | 3 | 75 |
| 1,2,3,7,8-PeCDF | $pg/m^3$ | - | - | | 5.45E-05 | 5.31E-06 | 5.92E-05 | - | - | 3.97E-05 | 5.31E-06 | 5.92E-05 | 0.00E+00 | 5.45E-05 | 5.92E-05 | 3 | 75 |
| 2,3,4,7,8-PeCDF | $pg/m^3$ | - | - | | 5.45E-04 | 5.77E-06 | 3.95E-04 | - | - | 3.15E-04 | 5.77E-06 | 5.45E-04 | 0.00E+00 | 5.45E-04 | 3.95E-04 | 3 | 75 |
| 1,2,3,4,7,8-HxCDF | $pg/m^3$ | - | - | | 4.06E-04 | 1.68E-06 | 1.19E-04 | - | - | 1.76E-04 | 1.68E-06 | 4.06E-04 | 0.00E+00 | 4.06E-04 | 1.19E-04 | 3 | 75 |
| 1,2,3,6,7,8-HxCDF | $pg/m^3$ | - | - | | 3.86E-04 | 4.03E-06 | 2.38E-04 | - | - | 2.09E-04 | 4.03E-06 | 3.86E-04 | 0.00E+00 | 3.86E-04 | 2.38E-04 | 3 | 75 |
| 2,3,4,6,7,8-HxCDF | $pg/m^3$ | - | - | | 1.98E-04 | 6.74E-06 | 1.88E-04 | - | - | 1.31E-04 | 6.74E-06 | 1.98E-04 | 0.00E+00 | 1.98E-04 | 1.88E-04 | 3 | 75 |
| 1,2,3,7,8,9-HxCDF | $pg/m^3$ | - | - | | 1.98E-04 | 3.32E-06 | 3.48E-04 | - | - | 1.83E-04 | 3.32E-06 | 3.48E-04 | 0.00E+00 | 1.98E-04 | 3.48E-04 | 3 | 75 |
| 1,2,3,4,6,7,8-HpCDF | $pg/m^3$ | - | - | | 9.74E-05 | 7.15E-06 | 1.20E-04 | - | - | 7.50E-05 | 7.15E-06 | 1.20E-04 | 0.00E+00 | 9.74E-05 | 1.20E-04 | 3 | 75 |
| 1,2,3,4,7,8,9-HpCDF | $pg/m^3$ | - | - | | 1.65E-05 | 1.02E-06 | 3.45E-05 | - | - | 1.73E-05 | 1.02E-06 | 3.45E-05 | 0.00E+00 | 1.65E-05 | 3.45E-05 | 3 | 75 |
| OCDF | $pg/m^3$ | - | - | | 2.28E-06 | 1.05E-05 | 5.03E-06 | - | - | 5.92E-06 | 2.28E-06 | 1.05E-05 | 0.00E+00 | 2.28E-06 | 1.05E-05 | 3 | 75 |
| Total Toxic Equivalency | pg TEQ/$m^3$ | *0.1*<br>*1* [1] | - | | 1.17E-02 | 8.72E-04 | 6.51E-03 | 0.1 | 0 | 6.36E-03 | 8.72E-04 | 1.17E-02 | 0.00E+00 | 1.17E-02 | 6.51E-03 | 3 | 75 |

NOTE: All non-detectable results were reported as 1/2 of the detection limit

[1] O. Reg. 419/05 Schedule  Upper Risk Thresholds

**Table B4: Summary of Sample Flow Rate and Sample Duration for PAHs**

| Sample Date | Courtice | | | Rundle | | |
|---|---|---|---|---|---|---|
| | Filter ID | Sample Duration | Sample Volume | Filter ID | Sample Duration | Sample Volume |
| | No. | (min) | ($m^3$) | No. | (min) | ($m^3$) |
| January 4, 2020 | L2402834-1 | 1441 | 301 | Invalid Sample | | |
| January 16, 2020 | L2408725-2 | 1440 | 295 | Invalid Sample | | |
| January 28, 2020 | L2411504-2 | 1441 | 327 | L2411504-1 | 1441 | 317 |
| February 9, 2020 | L2416088-1 | 1441 | 331 | L2416088-2 | 1441 | 303 |
| February 21, 2020 | L2421603-1 | 1441 | 323 | L2421603-2 | 1441 | 322 |
| March 4, 2020 | L2426134-1 | 1441 | 326 | L2426134-2 | 1438 | 313 |
| March 16, 2020 | L2429741-1 | 1441 | 322 | L2429741-2 | 1441 | 307 |
| March 28, 2020 | L2433655-2 | 1441 | 319 | L2433655-1 | 1440 | 319 |

**Table B5: 2020 Courtice Station Q1 Monitoring Results for PAHs**

| Contaminant | Units | *MECP Criteria* | *HHRA Health Based Criteria* | 4-Jan-20 | 16-Jan-20 | 28-Jan-20 | 9-Feb-20 | 21-Feb-20 | 4-Mar-20 | 16-Mar-20 | 28-Mar-20 | No. > Criteria | Arithmetic Mean | Minimum Q1 Concentration | Maximum Q1 Concentration | January Maximum Concentration | February Maximum Concentration | March Maximum Concentration | Number of Valid Samples | % Valid data |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ng/m$^3$ | *12000* | - | 2.54E+00 | 2.78E+00 | 1.81E+00 | 3.14E+00 | 3.25E+00 | 3.19E+00 | 2.89E+00 | 7.55E+00 | 0 | 3.40E+00 | 1.81E+00 | 7.55E+00 | 2.78E+00 | 3.25E+00 | 7.55E+00 | 8 | 100 |
| 2-Methylnaphthalene | ng/m$^3$ | *10000* | - | 3.52E+00 | 3.97E+00 | 3.12E+00 | 5.17E+00 | 5.08E+00 | 5.95E+00 | 4.38E+00 | 1.17E+01 | 0 | 5.36E+00 | 3.12E+00 | 1.17E+01 | 3.97E+00 | 5.17E+00 | 1.17E+01 | 8 | 100 |
| Acenaphthene | ng/m$^3$ | - | - | 6.48E-01 | 3.80E-01 | 3.21E-01 | 1.79E-01 | 2.94E-01 | 5.00E-01 | 5.71E-01 | 4.20E+00 | - | 8.87E-01 | 1.79E-01 | 4.20E+00 | 6.48E-01 | 2.94E-01 | 4.20E+00 | 8 | 100 |
| Acenaphthylene | ng/m$^3$ | *3500* | - | 1.94E-01 | 9.53E-02 | 9.24E-02 | 3.38E-02 | 3.05E-02 | 8.83E-02 | 7.64E-02 | 1.65E-01 | 0 | 9.69E-02 | 3.05E-02 | 1.94E-01 | 1.94E-01 | 3.38E-02 | 1.65E-01 | 8 | 100 |
| Anthracene | ng/m$^3$ | *200* | - | 3.72E-02 | 3.33E-02 | 3.76E-02 | 2.64E-02 | 1.00E-02 | 2.00E-02 | 1.53E-02 | 1.14E-01 | 0 | 3.67E-02 | 1.00E-02 | 1.14E-01 | 3.76E-02 | 2.64E-02 | 1.14E-01 | 8 | 100 |
| Benzo(a)Anthracene | ng/m$^3$ | - | - | 1.06E-02 | 4.95E-03 | 1.01E-02 | 1.16E-02 | 2.60E-02 | 1.26E-02 | 2.53E-02 | 2.94E-02 | - | 1.63E-02 | 4.95E-03 | 2.94E-02 | 1.06E-02 | 2.60E-02 | 2.94E-02 | 8 | 100 |
| Benzo(a)fluorene | ng/m$^3$ | - | - | 3.72E-02 | 1.79E-02 | 1.28E-02 | 2.82E-02 | 2.32E-02 | 1.42E-02 | 2.64E-02 | 7.40E-02 | - | 2.92E-02 | 1.28E-02 | 7.40E-02 | 3.72E-02 | 2.82E-02 | 7.40E-02 | 8 | 100 |
| Benzo(a)Pyrene (Historically High) | ng/m$^3$ | *0.05* [1] *5* [2] *1.1* [3] | *1* | 5.85E-03 | 1.49E-03 | 6.67E-03 | 1.50E-02 | 3.65E-02 | 1.29E-02 | 3.32E-02 | 3.92E-02 | 0 | 1.89E-02 | 1.49E-03 | 3.92E-02 | 6.67E-03 | 3.65E-02 | 3.92E-02 | 8 | 100 |
| Benzo(b)Fluoranthene | ng/m$^3$ | - | - | 3.95E-02 | 2.83E-02 | 2.84E-02 | 7.79E-02 | 1.00E-01 | 4.60E-02 | 1.03E-01 | 1.44E-01 | - | 7.09E-02 | 2.83E-02 | 1.44E-01 | 3.95E-02 | 1.00E-01 | 1.44E-01 | 8 | 100 |
| Benzo(b)fluorene | ng/m$^3$ | - | - | 2.60E-02 | 9.02E-03 | 7.80E-03 | 1.86E-02 | 1.00E-02 | 7.82E-03 | 1.22E-02 | 3.48E-02 | - | 1.58E-02 | 7.80E-03 | 3.48E-02 | 2.60E-02 | 1.86E-02 | 3.48E-02 | 8 | 100 |
| Benzo(e)Pyrene | ng/m$^3$ | - | - | 3.18E-02 | 1.72E-02 | 2.65E-02 | 5.17E-02 | 5.20E-02 | 3.31E-02 | 5.78E-02 | 7.68E-02 | - | 4.33E-02 | 1.72E-02 | 7.68E-02 | 3.18E-02 | 5.20E-02 | 7.68E-02 | 8 | 100 |
| Benzo(g,h,i)Perylene | ng/m$^3$ | - | - | 2.97E-02 | 1.46E-02 | 2.39E-02 | 4.41E-02 | 5.51E-02 | 3.87E-02 | 5.87E-02 | 7.99E-02 | - | 4.31E-02 | 1.46E-02 | 7.99E-02 | 2.97E-02 | 5.51E-02 | 7.99E-02 | 8 | 100 |
| Benzo(k)Fluoranthene | ng/m$^3$ | - | - | 3.92E-02 | 2.02E-02 | 2.72E-02 | 4.95E-02 | 7.15E-02 | 4.08E-02 | 8.01E-02 | 8.68E-02 | - | 5.19E-02 | 2.02E-02 | 8.68E-02 | 3.92E-02 | 7.15E-02 | 8.68E-02 | 8 | 100 |
| Biphenyl | ng/m$^3$ | - | - | 1.29E+00 | 1.17E+00 | 1.00E+00 | 2.40E+00 | 1.88E+00 | 1.52E+00 | 1.41E+00 | 4.48E+00 | - | 1.89E+00 | 1.00E+00 | 4.48E+00 | 1.29E+00 | 2.40E+00 | 4.48E+00 | 8 | 100 |
| Chrysene | ng/m$^3$ | - | - | 6.64E-02 | 5.63E-02 | 4.10E-02 | 1.37E-01 | 1.29E-01 | 5.80E-02 | 1.21E-01 | 1.86E-01 | - | 9.93E-02 | 4.10E-02 | 1.86E-01 | 6.64E-02 | 1.37E-01 | 1.86E-01 | 8 | 100 |
| Dibenzo(a,h)Anthracene | ng/m$^3$ | - | - | 2.59E-03 | 3.05E-03 | 3.55E-03 | 5.50E-03 | 6.59E-03 | 5.89E-03 | 6.15E-03 | 9.91E-03 | - | 5.40E-03 | 2.59E-03 | 9.91E-03 | 3.55E-03 | 6.59E-03 | 9.91E-03 | 8 | 100 |
| Fluoranthene | ng/m$^3$ | - | - | 3.85E-01 | 2.54E-01 | 2.45E-01 | 5.08E-01 | 3.59E-01 | 2.60E-01 | 3.17E-01 | 1.40E+00 | - | 4.67E-01 | 2.45E-01 | 1.40E+00 | 3.85E-01 | 5.08E-01 | 1.40E+00 | 8 | 100 |
| Fluorene | ng/m$^3$ | - | - | - | 7.76E-01 | 4.56E-01 | 7.64E-01 | 7.15E-01 | 5.92E-01 | 6.99E-01 | 3.79E+00 | - | 1.11E+00 | 4.56E-01 | 3.79E+00 | 7.76E-01 | 7.64E-01 | 3.79E+00 | 7 | 88 |
| Indeno(1,2,3-cd)Pyrene | ng/m$^3$ | - | - | 3.39E-02 | 2.47E-02 | 2.72E-02 | 4.62E-02 | 5.33E-02 | 3.28E-02 | 6.68E-02 | 7.99E-02 | - | 4.56E-02 | 2.47E-02 | 7.99E-02 | 3.39E-02 | 5.33E-02 | 7.99E-02 | 8 | 100 |
| Naphthalene | ng/m$^3$ | *22500* | *22500* | 2.47E+01 | 2.01E+01 | 1.14E+01 | 2.64E+01 | 2.60E+01 | 1.54E+01 | 1.79E+01 | 3.79E+01 | 0 | 2.25E+01 | 1.14E+01 | 3.79E+01 | 2.47E+01 | 2.64E+01 | 3.79E+01 | 8 | 100 |
| o-Terphenyl | ng/m$^3$ | - | - | 1.01E-02 | 7.29E-03 | 4.25E-03 | 1.08E-02 | 1.11E-02 | 1.36E-02 | 5.71E-03 | 2.01E-02 | - | 1.04E-02 | 4.25E-03 | 2.01E-02 | 1.01E-02 | 1.11E-02 | 2.01E-02 | 8 | 100 |
| Perylene | ng/m$^3$ | - | - | 3.32E-04 | 1.25E-03 | 2.39E-03 | 3.90E-03 | 1.21E-02 | 1.09E-02 | 3.51E-03 | 6.27E-04 | - | 4.37E-03 | 3.32E-04 | 1.21E-02 | 2.39E-03 | 1.21E-02 | 1.09E-02 | 8 | 100 |
| Phenanthrene | ng/m$^3$ | - | - | 1.79E+00 | 1.16E+00 | 9.82E-01 | 1.77E+00 | 1.10E+00 | 8.74E-01 | 1.09E+00 | 7.08E+00 | - | 1.98E+00 | 8.74E-01 | 7.08E+00 | 1.79E+00 | 1.77E+00 | 7.08E+00 | 8 | 100 |
| Pyrene | ng/m$^3$ | - | - | 2.37E-01 | 1.45E-01 | 1.66E-01 | 2.35E-01 | 1.85E-01 | 1.53E-01 | 1.83E-01 | 6.02E-01 | - | 2.38E-01 | 1.45E-01 | 6.02E-01 | 2.37E-01 | 2.35E-01 | 6.02E-01 | 8 | 100 |
| Tetralin | ng/m$^3$ | - | - | 1.86E+00 | 1.52E+00 | 2.34E+00 | 1.48E+00 | 2.04E+00 | 2.87E+00 | 1.76E+00 | 2.86E+00 | - | 2.09E+00 | 1.48E+00 | 2.87E+00 | 2.34E+00 | 2.04E+00 | 2.87E+00 | 8 | 100 |
| Total PAH[4] | ng/m$^3$ | - | - | 3.76E+01 | 3.26E+01 | 2.22E+01 | 4.26E+01 | 4.15E+01 | 3.17E+01 | 3.19E+01 | 8.27E+01 | - | 4.04E+01 | 2.22E+01 | 8.27E+01 | 3.76E+01 | 4.26E+01 | 8.27E+01 | 8 | 100 |

NOTE: All non-detectable results were reported as 1/2 of the detection limit

[1] AAQC

[2] O. Reg. 419/05 Schedule  Upper Risk Thresholds

[3] O. Reg. 419/05 24 Hour Guideline

[4] Total PAH sums all PAH contaminants

**Table B6: 2020 Rundle Station Q1 Monitoring Results for PAHs**

| Contaminant | Units | *MECP Criteria* | *HHRA Health Based Criteria* | 4-Jan-20 | 16-Jan-20 | 28-Jan-20 | 9-Feb-20 | 21-Feb-20 | 4-Mar-20 | 16-Mar-20 | 28-Mar-20 | No. > Criteria | Arithmetic Mean | Minimum Q1 Concentration | Maximum Q1 Concentration | January Maximum Concentration | February Maximum Concentration | March Maximum Concentration | Number of Valid Samples | % Valid data |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1-Methylnaphthalene | ng/m$^3$ | *12000* | - | Invalid Sample | Invalid Sample | 1.56E+00 | 3.76E+00 | 4.35E+00 | 3.61E+00 | 3.81E+00 | 5.33E+00 | 0 | 3.74E+00 | 1.56E+00 | 5.33E+00 | 1.56E+00 | 4.35E+00 | 5.33E+00 | 6 | 75 |
| 2-Methylnaphthalene | ng/m$^3$ | *10000* | - | | | 2.24E+00 | 5.64E+00 | 7.05E+00 | 5.91E+00 | 6.32E+00 | 7.68E+00 | 0 | 5.81E+00 | 2.24E+00 | 7.68E+00 | 2.24E+00 | 7.05E+00 | 7.68E+00 | 6 | 75 |
| Acenaphthene | ng/m$^3$ | - | - | | | 1.41E-01 | 3.83E-02 | 6.09E-01 | 7.28E-01 | 1.59E+00 | 2.46E+00 | - | 9.29E-01 | 3.83E-02 | 2.46E+00 | 1.41E-01 | 6.09E-01 | 2.46E+00 | 6 | 75 |
| Acenaphthylene | ng/m$^3$ | *3500* | - | | | 1.18E-01 | 3.56E-01 | 5.16E-02 | 1.08E-01 | 9.45E-02 | 9.66E-02 | 0 | 1.38E-01 | 5.16E-02 | 3.56E-01 | 1.18E-01 | 3.56E-01 | 1.08E-01 | 6 | 75 |
| Anthracene | ng/m$^3$ | *200* | - | | | 2.77E-02 | 9.93E-02 | 2.61E-02 | 4.19E-02 | 2.19E-02 | 6.77E-02 | 0 | 4.74E-02 | 2.19E-02 | 9.93E-02 | 2.77E-02 | 9.93E-02 | 6.77E-02 | 6 | 75 |
| Benzo(a)Anthracene | ng/m$^3$ | - | - | | | 1.05E-02 | 2.73E-02 | 2.84E-02 | 1.66E-02 | 3.88E-02 | 2.67E-02 | - | 2.47E-02 | 1.05E-02 | 3.88E-02 | 1.05E-02 | 2.84E-02 | 3.88E-02 | 6 | 75 |
| Benzo(a)fluorene | ng/m$^3$ | - | - | | | 1.11E-02 | 7.06E-02 | 3.32E-02 | 2.39E-02 | 2.49E-02 | 6.74E-02 | - | 3.85E-02 | 1.11E-02 | 7.06E-02 | 1.11E-02 | 7.06E-02 | 6.74E-02 | 6 | 75 |
| Benzo(a)Pyrene (Historically High) | ng/m$^3$ | *0.05* [1] *5* [2] *1.1* [3] | *1* | | | 1.15E-02 | 2.14E-02 | 3.29E-02 | 2.64E-02 | 4.56E-02 | 5.80E-02 | 1 | 3.26E-02 | 1.15E-02 | 5.80E-02 | 1.15E-02 | 3.29E-02 | 5.80E-02 | 6 | 75 |
| Benzo(b)Fluoranthene | ng/m$^3$ | - | - | | | 3.63E-02 | 1.62E-01 | 1.05E-01 | 5.05E-02 | 1.08E-01 | 1.38E-01 | - | 1.00E-01 | 3.63E-02 | 1.62E-01 | 3.63E-02 | 1.62E-01 | 1.38E-01 | 6 | 75 |
| Benzo(b)fluorene | ng/m$^3$ | - | - | | | 9.18E-03 | 4.42E-02 | 1.52E-02 | 1.05E-02 | 1.37E-02 | 2.98E-02 | - | 2.04E-02 | 9.18E-03 | 4.42E-02 | 9.18E-03 | 4.42E-02 | 2.98E-02 | 6 | 75 |
| Benzo(e)Pyrene | ng/m$^3$ | - | - | | | 2.80E-02 | 9.77E-02 | 6.52E-02 | 4.15E-02 | 7.36E-02 | 5.77E-02 | - | 6.06E-02 | 2.80E-02 | 9.77E-02 | 2.80E-02 | 9.77E-02 | 7.36E-02 | 6 | 75 |
| Benzo(g,h,i)Perylene | ng/m$^3$ | - | - | | | 2.77E-02 | 6.96E-02 | 6.06E-02 | 5.21E-02 | 8.05E-02 | 6.90E-02 | - | 5.99E-02 | 2.77E-02 | 8.05E-02 | 2.77E-02 | 6.96E-02 | 8.05E-02 | 6 | 75 |
| Benzo(k)Fluoranthene | ng/m$^3$ | - | - | | | 2.68E-02 | 1.10E-01 | 8.35E-02 | 4.70E-02 | 1.41E-01 | 7.77E-02 | - | 8.11E-02 | 2.68E-02 | 1.41E-01 | 2.68E-02 | 1.10E-01 | 1.41E-01 | 6 | 75 |
| Biphenyl | ng/m$^3$ | - | - | | | 9.05E-01 | 1.86E+00 | 2.21E+00 | 1.77E+00 | 1.81E+00 | 3.92E+00 | - | 2.08E+00 | 9.05E-01 | 3.92E+00 | 9.05E-01 | 2.21E+00 | 3.92E+00 | 8 | 75 |
| Chrysene | ng/m$^3$ | - | - | | | 4.86E-02 | 2.32E-01 | 1.41E-01 | 7.09E-02 | 1.50E-01 | 1.76E-01 | - | 1.36E-01 | 4.86E-02 | 2.32E-01 | 4.86E-02 | 2.32E-01 | 1.76E-01 | 6 | 75 |
| Dibenzo(a,h)Anthracene | ng/m$^3$ | - | - | | | 2.59E-03 | 9.17E-03 | 3.94E-03 | 5.69E-03 | 8.08E-03 | 8.78E-03 | - | 6.37E-03 | 2.59E-03 | 9.17E-03 | 2.59E-03 | 9.17E-03 | 8.78E-03 | 6 | 75 |
| Fluoranthene | ng/m$^3$ | - | - | | | 2.46E-01 | 8.84E-01 | 4.47E-01 | 3.93E-01 | 4.59E-01 | 9.28E-01 | - | 5.60E-01 | 2.46E-01 | 9.28E-01 | 2.46E-01 | 8.84E-01 | 9.28E-01 | 6 | 75 |
| Fluorene | ng/m$^3$ | - | - | | | 4.07E-01 | 3.30E-01 | 9.97E-01 | 8.72E-01 | 1.29E+00 | 2.53E+00 | - | 1.07E+00 | 3.30E-01 | 2.53E+00 | 4.07E-01 | 9.97E-01 | 2.53E+00 | 6 | 75 |
| Indeno(1,2,3-cd)Pyrene | ng/m$^3$ | - | - | | | 2.71E-02 | 7.76E-02 | 6.09E-02 | 3.71E-02 | 8.24E-02 | 6.96E-02 | - | 5.91E-02 | 2.71E-02 | 8.24E-02 | 2.71E-02 | 7.76E-02 | 8.24E-02 | 6 | 75 |
| Naphthalene | ng/m$^3$ | *22500* | *22500* | | | 1.07E+01 | 2.41E+01 | 2.89E+01 | 2.09E+01 | 1.82E+01 | 3.39E+01 | 0 | 2.28E+01 | 1.07E+01 | 3.39E+01 | 1.07E+01 | 2.89E+01 | 3.39E+01 | 6 | 75 |
| o-Terphenyl | ng/m$^3$ | - | - | | | 4.26E-03 | 8.71E-03 | 9.78E-03 | 1.27E-02 | 4.98E-03 | 2.21E-02 | - | 1.04E-02 | 4.26E-03 | 2.21E-02 | 4.26E-03 | 9.78E-03 | 2.21E-02 | 6 | 75 |
| Perylene | ng/m$^3$ | - | - | | | 3.06E-03 | 5.41E-03 | 1.40E-02 | 7.32E-03 | 1.47E-02 | 6.27E-04 | - | 7.52E-03 | 6.27E-04 | 1.47E-02 | 3.06E-03 | 1.40E-02 | 1.47E-02 | 6 | 75 |
| Phenanthrene | ng/m$^3$ | - | - | | | 9.91E-01 | 3.37E+00 | 1.68E+00 | 1.41E+00 | 2.03E+00 | 4.26E+00 | - | 2.29E+00 | 9.91E-01 | 4.26E+00 | 9.91E-01 | 3.37E+00 | 4.26E+00 | 6 | 75 |
| Pyrene | ng/m$^3$ | - | - | | | 1.45E-01 | 4.75E-01 | 2.39E-01 | 2.34E-01 | 2.36E-01 | 4.64E-01 | - | 2.99E-01 | 1.45E-01 | 4.75E-01 | 1.45E-01 | 4.75E-01 | 4.64E-01 | 6 | 75 |
| Tetralin | ng/m$^3$ | - | - | | | 2.91E+00 | 1.55E+00 | 2.51E+00 | 3.61E+00 | 1.78E+00 | 2.54E+00 | - | 2.48E+00 | 1.55E+00 | 3.61E+00 | 2.91E+00 | 2.51E+00 | 3.61E+00 | 6 | 75 |
| Total PAH[4] | ng/m$^3$ | - | - | | | 2.07E+01 | 4.34E+01 | 4.98E+01 | 4.00E+01 | 3.84E+01 | 6.49E+01 | - | 4.29E+01 | 2.07E+01 | 6.49E+01 | 2.07E+01 | 4.98E+01 | 6.49E+01 | 6 | 75 |

NOTE: All non-detectable results were reported as 1/2 of the detection limit

[1] AAQC

[2] O. Reg. 419/05 Schedule  Upper Risk Thresholds

[3] O. Reg. 419/05 24 Hour Guideline

[4] Total PAH sums all PAH contaminants

**Table B7: Summary of Sample Flow Rate and Sample Duration for TSP**

| Sample Date | Courtice | | | Rundle | | |
|---|---|---|---|---|---|---|
| | Filter ID | Sample Duration | Sample Volume | Filter ID | Sample Duration | Sample Volume |
| | No. | (min) | ($m^3$) | No. | (min) | ($m^3$) |
| January 4, 2020 | 739998 | 1441 | 1672 | 739997 | 1441 | 1701 |
| January 10, 2020 | 740026 | 1441 | 1591 | 740027 | 1441 | 1653 |
| January 16, 2020 | 739999 | 1440 | 1709 | Invalid | | |
| January 22, 2020 | 740230 | 1441 | 1692 | 740229 | 1441 | 1773 |
| January 28, 2020 | 740232 | 1441 | 1682 | 740233 | 1441 | 1667 |
| February 3, 2020 | 740235 | 1441 | 1741 | 740234 | 1441 | 1682 |
| February 9, 2020 | 740237 | 1441 | 1768 | 740236 | 1441 | 1707 |
| February 15, 2020 | 740301 | 1441 | 1770 | 740238 | 1441 | 1714 |
| February 21, 2020 | Invalid | | | Invalid | | |
| February 27, 2020 | 740304 | 1441 | 1694 | Invalid | | |
| March 4, 2020 | 740307 | 1441 | 1606 | 740306 | 1438 | 1649 |
| March 10, 2020 | 740308 | 1441 | 1592 | 740378 | 1441 | 1634 |
| March 16, 2020 | 740311 | 1441 | 1650 | 740310 | 1441 | 1714 |
| March 22, 2020 | 740313 | 1441 | 1706 | 740312 | 1440 | 1647 |
| March 28, 2020 | 740380 | 1441 | 1614 | 740379 | 1440 | 1661 |

**Table B8: 2020 Courtice Station Q1 Monitoring Results for TSP and Metals**

| Contaminant | Units | *MECP Criteria* | *HHRA Health Based Criteria* | 4-Jan-20 | 10-Jan-20 | 16-Jan-20 | 22-Jan-20 | 28-Jan-20 | 3-Feb-20 | 9-Feb-20 | 15-Feb-20 | 21-Feb-20 | 27-Feb-20 | 4-Mar-20 | 10-Mar-20 | 16-Mar-20 | 22-Mar-20 | 28-Mar-20 | No. > Criteria | Geometric Mean | Arithmetic Mean | Q1 Minimum Concentration | Q1 Maximum Concentration | January Maximum Concentration | February Maximum Concentration | March Maximum Concentration | Number of Valid Samples | % Valid data |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Particulate (TSP) | µg/m³ | *120* | *120* | 6.82 | 12.63 | 5.62 | 21.28 | 4.88 | 13.61 | 14.65 | 16.33 | | 10.45 | 13.70 | 14.51 | 22.24 | 17.94 | 13.57 | 0 | 12.31 | 13.44 | 4.88 | 22.24 | 21.28 | 16.33 | 22.24 | 14 | 93 |
| Total Mercury (Hg) | µg/m³ | *2* | *2* | 2.75E-05 | 2.58E-05 | 1.93E-05 | 2.42E-05 | 1.61E-05 | 2.87E-06 | 2.83E-06 | 1.07E-05 | | 2.95E-06 | 9.34E-06 | 3.14E-06 | 6.67E-06 | 2.93E-06 | 3.10E-06 | 0 | 7.67E-06 | 1.12E-05 | 2.83E-06 | 2.75E-05 | 2.75E-05 | 1.07E-05 | 9.34E-06 | 14 | 93 |
| Aluminum (Al) | µg/m³ | *4.8* | - | 2.87E-02 | 5.03E-02 | 1.17E-02 | 4.55E-02 | 1.19E-02 | 6.20E-02 | 1.13E-01 | 7.63E-02 | | 8.26E-02 | 3.92E-02 | 5.65E-02 | 1.98E-01 | 8.44E-02 | 6.69E-02 | 0 | 5.18E-02 | 6.62E-02 | 1.17E-02 | 1.98E-01 | 5.03E-02 | 1.13E-01 | 1.98E-01 | 14 | 93 |
| Antimony (Sb) | µg/m³ | *25* | *25* | 2.54E-03 | 6.66E-04 | 4.06E-03 | 6.80E-04 | 4.04E-04 | 8.04E-04 | 4.13E-04 | 1.03E-03 | | 3.25E-04 | 7.16E-04 | 5.09E-04 | 8.12E-04 | 6.39E-04 | 4.52E-04 | 0 | 7.50E-04 | 1.00E-03 | 3.25E-04 | 4.06E-03 | 4.06E-03 | 1.03E-03 | 8.12E-04 | 14 | 93 |
| Arsenic (As) | µg/m³ | *0.3* | *0.3* | 8.97E-04 | 9.43E-04 | 8.78E-04 | 8.87E-04 | 8.92E-04 | 8.62E-04 | 8.48E-04 | 8.47E-04 | | 8.85E-04 | 9.34E-04 | 9.42E-04 | 9.09E-04 | 8.79E-04 | 9.29E-04 | 0 | 8.95E-04 | 8.95E-04 | 8.47E-04 | 9.43E-04 | 9.43E-04 | 8.85E-04 | 9.42E-04 | 14 | 93 |
| Barium (Ba) | µg/m³ | *10* | *10* | 4.49E-03 | 3.33E-03 | 2.52E-03 | 4.14E-03 | 3.15E-03 | 7.35E-03 | 2.71E-03 | 3.45E-03 | | 2.07E-03 | 6.16E-03 | 3.33E-03 | 5.94E-03 | 1.88E-03 | 1.86E-03 | 0 | 3.42E-03 | 3.74E-03 | 1.86E-03 | 7.35E-03 | 4.49E-03 | 7.35E-03 | 6.16E-03 | 14 | 93 |
| Beryllium (Be) | µg/m³ | *0.01* | *0.01* | 2.99E-05 | 3.14E-05 | 2.93E-05 | 2.96E-05 | 2.97E-05 | 2.87E-05 | 2.83E-05 | 2.82E-05 | | 2.95E-05 | 3.11E-05 | 3.14E-05 | 3.03E-05 | 2.93E-05 | 3.10E-05 | 0 | 2.98E-05 | 2.98E-05 | 2.82E-05 | 3.14E-05 | 3.14E-05 | 2.95E-05 | 3.14E-05 | 14 | 93 |
| Bismuth (Bi) | µg/m³ | - | - | 5.38E-04 | 5.66E-04 | 5.27E-04 | 5.32E-04 | 5.35E-04 | 5.17E-04 | 5.09E-04 | 5.08E-04 | | 5.31E-04 | 5.60E-04 | 5.65E-04 | 5.45E-04 | 5.28E-04 | 5.58E-04 | - | 5.37E-04 | 5.37E-04 | 5.08E-04 | 5.66E-04 | 5.66E-04 | 5.31E-04 | 5.65E-04 | 14 | 93 |
| Boron (B) | µg/m³ | *120* | - | 1.20E-02 | 1.26E-02 | 1.17E-02 | 1.18E-02 | 1.19E-02 | 1.15E-02 | 1.13E-02 | 1.13E-02 | | 1.18E-02 | 1.25E-02 | 1.26E-02 | 1.21E-02 | 1.17E-02 | 1.24E-02 | 0 | 1.19E-02 | 1.19E-02 | 1.13E-02 | 1.26E-02 | 1.26E-02 | 1.18E-02 | 1.26E-02 | 14 | 93 |
| Cadmium (Cd) | µg/m³ | *0.025* | *0.025* | 5.98E-04 | 6.29E-04 | 5.85E-04 | 5.91E-04 | 5.95E-04 | 5.74E-04 | 5.66E-04 | 5.65E-04 | | 5.90E-04 | 6.23E-04 | 6.28E-04 | 6.06E-04 | 5.86E-04 | 6.20E-04 | 0 | 5.96E-04 | 5.97E-04 | 5.65E-04 | 6.29E-04 | 6.29E-04 | 5.90E-04 | 6.28E-04 | 14 | 93 |
| Chromium (Cr) | µg/m³ | *0.5* | - | 1.50E-03 | 1.57E-03 | 1.46E-03 | 1.48E-03 | 1.49E-03 | 1.44E-03 | 1.41E-03 | 1.41E-03 | | 1.48E-03 | 1.56E-03 | 1.57E-03 | 1.52E-03 | 1.47E-03 | 1.55E-03 | 0 | 1.49E-03 | 1.49E-03 | 1.41E-03 | 1.57E-03 | 1.57E-03 | 1.48E-03 | 1.57E-03 | 14 | 93 |
| Cobalt (Co) | µg/m³ | *0.1* | *0.1* | 5.98E-04 | 6.29E-04 | 5.85E-04 | 5.91E-04 | 5.95E-04 | 5.74E-04 | 5.66E-04 | 5.65E-04 | | 5.90E-04 | 6.23E-04 | 6.28E-04 | 6.06E-04 | 5.86E-04 | 6.20E-04 | 0 | 5.96E-04 | 5.97E-04 | 5.65E-04 | 6.29E-04 | 6.29E-04 | 5.90E-04 | 6.28E-04 | 14 | 93 |
| Copper (Cu) | µg/m³ | *50* | - | 3.12E-02 | 7.42E-03 | 2.98E-02 | 6.15E-03 | 8.32E-03 | 7.81E-03 | 3.85E-03 | 3.69E-02 | | 3.54E-03 | 7.35E-03 | 1.24E-02 | 1.37E-02 | 1.12E-02 | 1.13E-02 | 0 | 1.06E-02 | 1.36E-02 | 3.54E-03 | 3.69E-02 | 3.12E-02 | 3.69E-02 | 1.37E-02 | 14 | 93 |
| Iron (Fe) | µg/m³ | *4* | - | 1.47E-01 | 1.62E-01 | 8.43E-02 | 2.03E-01 | 1.40E-01 | 2.77E-01 | 1.56E-01 | 1.73E-01 | | 1.43E-01 | 3.00E-01 | 1.56E-01 | 4.96E-01 | 2.30E-01 | 1.87E-01 | 0 | 1.86E-01 | 2.04E-01 | 8.43E-02 | 4.96E-01 | 2.03E-01 | 2.77E-01 | 4.96E-01 | 14 | 93 |
| Lead (Pb) | µg/m³ | *0.5* | *0.5* | 1.85E-03 | 2.01E-03 | 8.78E-04 | 2.30E-03 | 8.92E-04 | 1.95E-03 | 8.48E-04 | 3.22E-03 | | 8.85E-04 | 2.43E-03 | 9.42E-04 | 4.24E-03 | 2.40E-03 | 2.11E-03 | 0 | 1.69E-03 | 1.93E-03 | 8.48E-04 | 4.24E-03 | 2.30E-03 | 3.22E-03 | 4.24E-03 | 14 | 93 |
| Magnesium (Mg) | µg/m³ | - | - | 7.18E-02 | 9.43E-02 | 2.93E-02 | 1.00E-01 | 2.97E-02 | 1.09E-01 | 1.02E-01 | 1.75E-01 | | 1.24E-01 | 1.31E-01 | 1.57E-01 | 3.64E-01 | 1.35E-01 | 8.67E-02 | - | 1.02E-01 | 1.22E-01 | 2.93E-02 | 3.64E-01 | 1.00E-01 | 1.75E-01 | 3.64E-01 | 14 | 93 |
| Manganese (Mn) | µg/m³ | *0.4* | - | 2.87E-03 | 5.03E-03 | 2.17E-03 | 7.45E-03 | 2.26E-03 | 9.65E-03 | 3.28E-03 | 7.01E-03 | | 4.25E-03 | 8.41E-03 | 5.28E-03 | 1.28E-02 | 4.57E-03 | 5.20E-03 | - | 5.03E-03 | 5.73E-03 | 2.17E-03 | 1.28E-02 | 7.45E-03 | 9.65E-03 | 1.28E-02 | 14 | 93 |
| Molybdenum (Mo) | µg/m³ | *120* | - | 1.61E-03 | 8.80E-04 | 1.46E-03 | 8.27E-04 | 2.97E-04 | 2.87E-04 | 2.83E-04 | 2.82E-04 | | 2.95E-04 | 3.11E-04 | 6.91E-04 | 8.48E-04 | 2.93E-04 | 3.10E-04 | 0 | 4.98E-04 | 6.20E-04 | 2.82E-04 | 1.61E-03 | 1.61E-03 | 2.95E-04 | 8.48E-04 | 14 | 93 |
| Nickel (Ni) | µg/m³ | *0.2* | - | 8.97E-04 | 9.43E-04 | 8.78E-04 | 8.87E-04 | 8.92E-04 | 8.62E-04 | 8.48E-04 | 8.47E-04 | | 8.85E-04 | 9.34E-04 | 9.42E-04 | 9.09E-04 | 8.79E-04 | 9.29E-04 | 0 | 8.95E-04 | 8.95E-04 | 8.47E-04 | 9.43E-04 | 9.43E-04 | 8.85E-04 | 9.42E-04 | 14 | 93 |
| Phosphorus (P) | µg/m³ | - | - | 2.24E-01 | 2.36E-01 | 2.19E-01 | 2.22E-01 | 2.23E-01 | 2.15E-01 | 2.12E-01 | 1.36E+00 | | 5.84E-01 | 6.23E-01 | 5.28E-01 | 6.18E-01 | 2.20E-01 | 2.32E-01 | - | 3.34E-01 | 4.08E-01 | 2.12E-01 | 1.36E+00 | 2.36E-01 | 1.36E+00 | 6.23E-01 | 14 | 93 |
| Selenium (Se) | µg/m³ | *10* | *10* | 2.99E-03 | 3.14E-03 | 2.93E-03 | 2.96E-03 | 2.97E-03 | 2.87E-03 | 2.83E-03 | 2.82E-03 | | 2.95E-03 | 3.11E-03 | 3.14E-03 | 3.03E-03 | 2.93E-03 | 3.10E-03 | 0 | 2.98E-03 | 2.98E-03 | 2.82E-03 | 3.14E-03 | 3.14E-03 | 2.95E-03 | 3.14E-03 | 14 | 93 |
| Silver (Ag) | µg/m³ | *1* | *1* | 2.99E-04 | 3.14E-04 | 2.93E-04 | 2.96E-04 | 2.97E-04 | 2.87E-04 | 2.83E-04 | 2.82E-04 | | 2.95E-04 | 3.11E-04 | 3.14E-04 | 3.03E-04 | 2.93E-04 | 3.10E-04 | 0 | 2.98E-04 | 2.98E-04 | 2.82E-04 | 3.14E-04 | 3.14E-04 | 2.95E-04 | 3.14E-04 | 14 | 93 |
| Strontium (Sr) | µg/m³ | *120* | - | 8.97E-04 | 2.26E-03 | 8.78E-04 | 2.07E-03 | 8.92E-04 | 3.50E-03 | 4.02E-03 | 3.39E-03 | | 2.18E-03 | 2.18E-03 | 3.45E-03 | 8.61E-03 | 2.70E-03 | 2.17E-03 | 0 | 2.32E-03 | 2.80E-03 | 8.78E-04 | 8.61E-03 | 2.26E-03 | 4.02E-03 | 8.61E-03 | 14 | 93 |
| Thallium (Tl) | µg/m³ | - | - | 2.69E-05 | 2.83E-05 | 2.63E-05 | 2.66E-05 | 2.68E-05 | 2.58E-05 | 2.55E-05 | 2.54E-05 | | 2.66E-05 | 2.80E-05 | 2.83E-05 | 2.73E-05 | 2.64E-05 | 2.79E-05 | - | 2.68E-05 | 2.69E-05 | 2.54E-05 | 2.83E-05 | 2.83E-05 | 2.66E-05 | 2.83E-05 | 14 | 93 |
| Tin (Sn) | µg/m³ | *10* | *10* | 2.99E-04 | 7.54E-04 | 2.93E-04 | 9.46E-04 | 2.97E-04 | 8.04E-04 | 6.79E-04 | 9.60E-04 | | 6.49E-04 | 9.34E-04 | 3.14E-04 | 9.09E-04 | 7.62E-04 | 6.20E-04 | 0 | 6.01E-04 | 6.59E-04 | 2.93E-04 | 9.60E-04 | 9.46E-04 | 9.60E-04 | 9.34E-04 | 14 | 93 |
| Titanium (Ti) | µg/m³ | *120* | - | 3.29E-03 | 3.46E-03 | 3.22E-03 | 3.25E-03 | 3.27E-03 | 3.16E-03 | 7.35E-03 | 3.11E-03 | | 3.25E-03 | 3.42E-03 | 3.45E-03 | 1.09E-02 | 3.22E-03 | 3.41E-03 | 0 | 3.80E-03 | 4.13E-03 | 3.11E-03 | 1.09E-02 | 3.46E-03 | 7.35E-03 | 1.09E-02 | 14 | 93 |
| Uranium (Ur) | µg/m³ | *1.5* | - | 2.99E-05 | 3.14E-05 | 2.93E-05 | 2.96E-05 | 2.97E-05 | 2.87E-05 | 2.83E-05 | 2.82E-05 | | 2.95E-05 | 3.11E-05 | 3.14E-05 | 3.03E-05 | 2.93E-05 | 3.10E-05 | 0 | 2.98E-05 | 2.98E-05 | 2.82E-05 | 3.14E-05 | 3.14E-05 | 2.95E-05 | 3.14E-05 | 14 | 93 |
| Vanadium (V) | µg/m³ | *2* | *1* | 1.50E-03 | 1.57E-03 | 1.46E-03 | 1.48E-03 | 1.49E-03 | 1.44E-03 | 1.41E-03 | 1.41E-03 | | 1.48E-03 | 1.56E-03 | 1.57E-03 | 1.52E-03 | 1.47E-03 | 1.55E-03 | 0 | 1.49E-03 | 1.49E-03 | 1.41E-03 | 1.57E-03 | 1.57E-03 | 1.48E-03 | 1.57E-03 | 14 | 93 |
| Zinc (Zn) | µg/m³ | *120* | - | 5.44E-02 | 2.43E-02 | 8.72E-02 | 4.26E-02 | 8.44E-03 | 5.22E-02 | 1.27E-02 | 9.38E-02 | | 5.74E-02 | 4.15E-02 | 1.32E-02 | 2.65E-02 | 2.37E-02 | 1.60E-02 | 0 | 3.12E-02 | 3.96E-02 | 8.44E-03 | 9.38E-02 | 8.72E-02 | 9.38E-02 | 4.15E-02 | 14 | 93 |
| Zirconium (Zr) | µg/m³ | *20* | - | 5.98E-04 | 6.29E-04 | 5.85E-04 | 5.91E-04 | 5.95E-04 | 3.33E-03 | 5.66E-04 | 5.65E-04 | | 5.90E-04 | 6.23E-04 | 6.28E-04 | 6.06E-04 | 5.86E-04 | 6.20E-04 | 0 | 6.76E-04 | 7.94E-04 | 5.65E-04 | 3.33E-03 | 6.29E-04 | 3.33E-03 | 6.28E-04 | 14 | 93 |

Invalid Sample

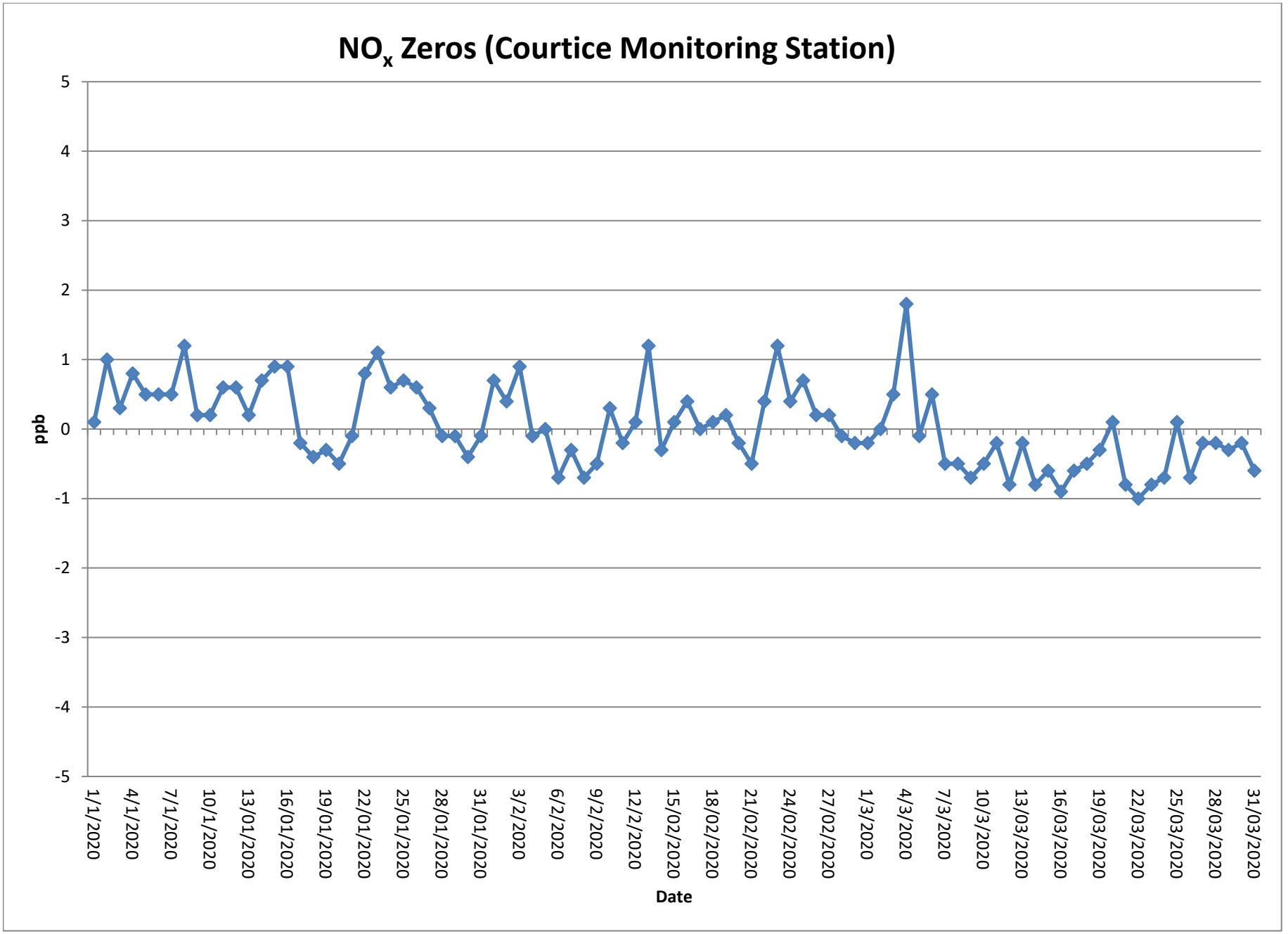
NOTE: All non-detectable results were reported as 1/2 of the detection limit

**Table B9: 2020 Rundle Station Q1 Monitoring Results for TSP and Metals**

| Contaminant | Units | MECP Criteria | HHRA Health Based Criteria | 4-Jan-20 | 10-Jan-20 | 16-Jan-20 | 22-Jan-20 | 28-Jan-20 | 3-Feb-20 | 9-Feb-20 | 15-Feb-20 | 21-Feb-20 | 27-Feb-20 | 4-Mar-20 | 10-Mar-20 | 16-Mar-20 | 22-Mar-20 | 28-Mar-20 | No. > Criteria | Geometric Mean | Arithmetic Mean | Q1 Minimum Concentration | Q1 Maximum Concentration | January Maximum Concentration | February Maximum Concentration | March Maximum Concentration | Number of Valid Samples | % Valid data |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Particulate (TSP) | µg/m³ | 120 | 120 | 6.53 | 17.00 | Invalid Sample | 26.17 | 8.46 | 19.26 | 8.08 | 33.90 | Invalid Sample | Invalid Sample | 21.59 | 21.30 | 20.54 | 12.14 | 11.14 | 0 | 15.3 | 17.2 | 6.5 | 33.9 | 26.2 | 33.9 | 21.6 | 12 | 80 |
| Mercury (Hg) | µg/m³ | 2 | 2 | 2.65E-05 | 2.66E-05 | | 4.40E-05 | 2.22E-05 | 2.97E-06 | 2.93E-06 | 2.92E-06 | | | 6.67E-06 | 3.06E-06 | 1.17E-05 | 3.04E-06 | 3.01E-06 | 0 | 7.61E-06 | 1.30E-05 | 2.92E-06 | 4.40E-05 | 4.40E-05 | 2.97E-06 | 1.17E-05 | 12 | 80 |
| Aluminum (Al) | µg/m³ | 4.8 | - | 1.18E-02 | 8.83E-02 | | 3.95E-02 | 2.52E-02 | 9.63E-02 | 2.69E-02 | 9.51E-02 | | | 6.91E-02 | 1.52E-01 | 1.73E-01 | 5.95E-02 | 3.43E-02 | 0 | 5.60E-02 | 7.25E-02 | 1.18E-02 | 1.73E-01 | 8.83E-02 | 9.63E-02 | 1.73E-01 | 12 | 80 |
| Antimony (Sb) | µg/m³ | 25 | 25 | 2.35E-04 | 8.35E-04 | | 1.01E-03 | 1.50E-04 | 7.49E-04 | 3.63E-04 | 3.62E-04 | | | 8.55E-04 | 5.32E-04 | 1.34E-03 | 3.34E-04 | 3.55E-04 | 0 | 4.94E-04 | 5.94E-04 | 1.50E-04 | 1.34E-03 | 1.01E-03 | 7.49E-04 | 1.34E-03 | 12 | 80 |
| Arsenic (As) | µg/m³ | 0.3 | 0.3 | 8.82E-04 | 9.07E-04 | | 8.46E-04 | 9.00E-04 | 8.92E-04 | 8.79E-04 | 8.75E-04 | | | 9.10E-04 | 9.18E-04 | 8.75E-04 | 9.11E-04 | 9.03E-04 | 0 | 8.91E-04 | 8.91E-04 | 8.46E-04 | 9.18E-04 | 9.07E-04 | 8.92E-04 | 9.18E-04 | 12 | 80 |
| Barium (Ba) | µg/m³ | 10 | 10 | 2.65E-03 | 6.90E-03 | | 6.32E-03 | 1.80E-03 | 8.38E-03 | 2.34E-03 | 3.68E-03 | | | 7.10E-03 | 3.37E-03 | 6.53E-03 | 2.06E-03 | 1.81E-03 | 0 | 3.79E-03 | 4.41E-03 | 1.80E-03 | 8.38E-03 | 6.90E-03 | 8.38E-03 | 7.10E-03 | 12 | 80 |
| Beryllium (Be) | µg/m³ | 0.01 | 0.01 | 2.94E-05 | 3.02E-05 | | 2.82E-05 | 3.00E-05 | 2.97E-05 | 2.93E-05 | 2.92E-05 | | | 3.03E-05 | 3.06E-05 | 2.92E-05 | 3.04E-05 | 3.01E-05 | 0 | 2.97E-05 | 2.97E-05 | 2.82E-05 | 3.06E-05 | 3.02E-05 | 2.97E-05 | 3.06E-05 | 12 | 80 |
| Bismuth (Bi) | µg/m³ | - | - | 5.29E-04 | 5.44E-04 | | 5.08E-04 | 5.40E-04 | 5.35E-04 | 5.27E-04 | 5.25E-04 | | | 5.46E-04 | 5.51E-04 | 5.25E-04 | 5.46E-04 | 5.42E-04 | - | 5.35E-04 | 5.35E-04 | 5.08E-04 | 5.51E-04 | 5.44E-04 | 5.35E-04 | 5.51E-04 | 12 | 80 |
| Boron (B) | µg/m³ | 120 | - | 1.18E-02 | 1.21E-02 | | 1.13E-02 | 1.20E-02 | 1.19E-02 | 1.17E-02 | 1.17E-02 | | | 1.21E-02 | 1.22E-02 | 1.17E-02 | 1.21E-02 | 1.20E-02 | 0 | 1.19E-02 | 1.19E-02 | 1.13E-02 | 1.22E-02 | 1.21E-02 | 1.19E-02 | 1.22E-02 | 12 | 80 |
| Cadmium (Cd) | µg/m³ | 0.025 | 0.025 | 5.88E-04 | 6.05E-04 | | 5.64E-04 | 6.00E-04 | 5.95E-04 | 5.86E-04 | 5.83E-04 | | | 6.06E-04 | 6.12E-04 | 5.83E-04 | 6.07E-04 | 6.02E-04 | 0 | 5.94E-04 | 5.94E-04 | 5.64E-04 | 6.12E-04 | 6.05E-04 | 5.95E-04 | 6.12E-04 | 12 | 80 |
| Chromium (Cr) | µg/m³ | 0.5 | - | 1.47E-03 | 1.51E-03 | | 1.41E-03 | 1.50E-03 | 1.49E-03 | 1.46E-03 | 1.46E-03 | | | 1.52E-03 | 1.53E-03 | 1.46E-03 | 1.52E-03 | 1.51E-03 | 0 | 1.49E-03 | 1.49E-03 | 1.41E-03 | 1.53E-03 | 1.51E-03 | 1.49E-03 | 1.53E-03 | 12 | 80 |
| Cobalt (Co) | µg/m³ | 0.1 | 0.1 | 5.88E-04 | 6.05E-04 | | 5.64E-04 | 6.00E-04 | 5.95E-04 | 5.86E-04 | 5.83E-04 | | | 6.06E-04 | 6.12E-04 | 5.83E-04 | 6.07E-04 | 6.02E-04 | 0 | 5.94E-04 | 5.94E-04 | 5.64E-04 | 6.12E-04 | 6.05E-04 | 5.95E-04 | 6.12E-04 | 12 | 80 |
| Copper (Cu) | µg/m³ | 50 | - | 3.28E-02 | 9.74E-03 | | 8.63E-03 | 6.60E-03 | 1.21E-02 | 9.26E-03 | 9.92E-03 | | | 2.11E-02 | 3.75E-02 | 3.44E-02 | 6.38E-03 | 8.37E-03 | 0 | 1.33E-02 | 1.64E-02 | 6.38E-03 | 3.75E-02 | 3.28E-02 | 1.21E-02 | 3.75E-02 | 12 | 80 |
| Iron (Fe) | µg/m³ | 4 | - | 8.29E-02 | 2.94E-01 | | 5.46E-01 | 6.60E-02 | 2.68E-01 | 7.79E-02 | 2.71E-01 | | | 3.03E-01 | 2.37E-01 | 5.33E-01 | 2.67E-01 | 2.00E-01 | 0 | 2.16E-01 | 2.62E-01 | 6.60E-02 | 5.46E-01 | 5.46E-01 | 2.71E-01 | 5.33E-01 | 12 | 80 |
| Lead (Pb) | µg/m³ | 0.5 | 0.5 | 8.82E-04 | 2.06E-03 | | 2.71E-03 | 9.00E-04 | 8.92E-04 | 8.79E-04 | 8.75E-04 | | | 9.10E-04 | 9.18E-04 | 3.73E-03 | 9.11E-04 | 9.03E-04 | 0 | 1.19E-03 | 1.38E-03 | 8.75E-04 | 3.73E-03 | 2.71E-03 | 8.92E-04 | 3.73E-03 | 12 | 80 |
| Magnesium (Mg) | µg/m³ | - | - | 2.94E-02 | 1.21E-01 | | 1.18E-01 | 6.60E-02 | 1.61E-01 | 2.93E-02 | 1.81E-01 | | | 1.88E-01 | 2.14E-01 | 2.63E-01 | 1.15E-01 | 6.62E-02 | - | 1.06E-01 | 1.29E-01 | 2.93E-02 | 2.63E-01 | 1.21E-01 | 1.81E-01 | 2.63E-01 | 12 | 80 |
| Manganese (Mn) | µg/m³ | 0.4 | - | 1.53E-03 | 6.41E-03 | | 1.22E-02 | 2.16E-03 | 7.25E-03 | 1.64E-03 | 2.27E-02 | | | 7.40E-03 | 6.61E-03 | 1.14E-02 | 4.55E-03 | 9.99E-03 | - | 5.90E-03 | 7.82E-03 | 1.53E-03 | 2.27E-02 | 1.22E-02 | 2.27E-02 | 1.14E-02 | 12 | 80 |
| Molybdenum (Mo) | µg/m³ | 120 | - | 1.23E-03 | 9.68E-04 | | 9.02E-04 | 3.00E-04 | 2.97E-04 | 5.86E-04 | 2.92E-04 | | | 1.21E-03 | 1.59E-03 | 1.75E-03 | 3.04E-04 | 3.01E-04 | 0 | 6.44E-04 | 8.12E-04 | 2.92E-04 | 1.75E-03 | 1.23E-03 | 5.86E-04 | 1.75E-03 | 12 | 80 |
| Nickel (Ni) | µg/m³ | 0.2 | - | 8.82E-04 | 9.07E-04 | | 8.46E-04 | 9.00E-04 | 8.92E-04 | 8.79E-04 | 8.75E-04 | | | 9.10E-04 | 9.18E-04 | 8.75E-04 | 9.11E-04 | 9.03E-04 | 0 | 8.91E-04 | 8.91E-04 | 8.46E-04 | 9.18E-04 | 9.07E-04 | 8.92E-04 | 9.18E-04 | 12 | 80 |
| Phosphorus (P) | µg/m³ | - | - | 2.20E-01 | 2.27E-01 | | 2.12E-01 | 2.25E-01 | 2.23E-01 | 2.20E-01 | 2.19E-01 | | | 6.06E-01 | 2.29E-01 | 6.77E-01 | 5.04E-01 | 2.26E-01 | - | 2.84E-01 | 3.16E-01 | 2.12E-01 | 6.77E-01 | 2.27E-01 | 2.23E-01 | 6.77E-01 | 12 | 80 |
| Selenium (Se) | µg/m³ | 10 | 10 | 2.94E-03 | 3.02E-03 | | 2.82E-03 | 3.00E-03 | 2.97E-03 | 2.93E-03 | 2.92E-03 | | | 3.03E-03 | 3.06E-03 | 2.92E-03 | 3.04E-03 | 3.01E-03 | 0 | 2.97E-03 | 2.97E-03 | 2.82E-03 | 3.06E-03 | 3.02E-03 | 2.97E-03 | 3.06E-03 | 12 | 80 |
| Silver (Ag) | µg/m³ | 1 | 1 | 2.94E-04 | 3.02E-04 | | 2.82E-04 | 3.00E-04 | 2.97E-04 | 2.93E-04 | 2.92E-04 | | | 3.03E-04 | 3.06E-04 | 2.92E-04 | 3.04E-04 | 3.01E-04 | 0 | 2.97E-04 | 2.97E-04 | 2.82E-04 | 3.06E-04 | 3.02E-04 | 2.97E-04 | 3.06E-04 | 12 | 80 |
| Strontium (Sr) | µg/m³ | 120 | - | 8.82E-04 | 4.05E-03 | | 2.71E-03 | 2.64E-03 | 6.72E-03 | 8.79E-04 | 5.31E-03 | | | 5.34E-03 | 6.06E-03 | 7.47E-03 | 3.04E-03 | 9.03E-04 | 0 | 3.00E-03 | 3.83E-03 | 8.79E-04 | 7.47E-03 | 4.05E-03 | 6.72E-03 | 7.47E-03 | 12 | 80 |
| Thallium (Tl) | µg/m³ | - | - | 2.65E-05 | 2.72E-05 | | 2.54E-05 | 2.70E-05 | 2.68E-05 | 2.64E-05 | 2.63E-05 | | | 2.73E-05 | 2.75E-05 | 2.63E-05 | 2.73E-05 | 2.71E-05 | - | 2.67E-05 | 2.67E-05 | 2.54E-05 | 2.75E-05 | 2.72E-05 | 2.68E-05 | 2.75E-05 | 12 | 80 |
| Tin (Sn) | µg/m³ | 10 | 10 | 2.94E-04 | 9.68E-04 | | 1.30E-03 | 3.00E-04 | 8.32E-04 | 2.93E-04 | 9.92E-04 | | | 8.49E-04 | 6.12E-04 | 2.57E-03 | 3.04E-04 | 3.01E-04 | 0 | 6.21E-04 | 8.01E-04 | 2.93E-04 | 2.57E-03 | 1.30E-03 | 9.92E-04 | 2.57E-03 | 12 | 80 |
| Titanium (Ti) | µg/m³ | 120 | - | 3.23E-03 | 3.33E-03 | | 3.10E-03 | 3.30E-03 | 3.27E-03 | 3.22E-03 | 3.21E-03 | | | 3.34E-03 | 7.34E-03 | 6.42E-03 | 3.34E-03 | 3.31E-03 | 0 | 3.69E-03 | 3.87E-03 | 3.10E-03 | 7.34E-03 | 3.33E-03 | 3.27E-03 | 7.34E-03 | 12 | 80 |
| Uranium (Ur) | µg/m³ | 1.5 | - | 2.94E-05 | 3.02E-05 | | 2.82E-05 | 3.00E-05 | 2.97E-05 | 2.93E-05 | 2.92E-05 | | | 3.03E-05 | 3.06E-05 | 2.92E-05 | 3.04E-05 | 3.01E-05 | 0 | 2.97E-05 | 2.97E-05 | 2.82E-05 | 3.06E-05 | 3.02E-05 | 2.97E-05 | 3.06E-05 | 12 | 80 |
| Vanadium (V) | µg/m³ | 2 | 1 | 1.47E-03 | 1.51E-03 | | 1.41E-03 | 1.50E-03 | 1.49E-03 | 1.46E-03 | 1.46E-03 | | | 1.52E-03 | 1.53E-03 | 1.46E-03 | 1.52E-03 | 1.51E-03 | 0 | 1.49E-03 | 1.49E-03 | 1.41E-03 | 1.53E-03 | 1.51E-03 | 1.49E-03 | 1.53E-03 | 12 | 80 |
| Zinc (Zn) | µg/m³ | 120 | - | 6.53E-03 | 1.96E-02 | | 4.95E-02 | 5.34E-03 | 1.75E-02 | 9.26E-03 | 8.34E-02 | | | 1.46E-02 | 1.32E-02 | 1.83E-02 | 8.08E-03 | 7.22E-03 | 0 | 1.46E-02 | 2.11E-02 | 5.34E-03 | 8.34E-02 | 4.95E-02 | 8.34E-02 | 1.83E-02 | 12 | 80 |
| Zirconium (Zr) | µg/m³ | 20 | - | 5.88E-04 | 6.05E-04 | | 5.64E-04 | 6.00E-04 | 5.95E-04 | 5.86E-04 | 5.83E-04 | | | 6.06E-04 | 6.12E-04 | 5.83E-04 | 6.07E-04 | 6.02E-04 | 0 | 5.94E-04 | 5.94E-04 | 5.64E-04 | 6.12E-04 | 6.05E-04 | 5.95E-04 | 6.12E-04 | 12 | 80 |

NOTE: All non-detectable results were reported as 1/2 of the detection limit

# APPENDIX C


NOx Zeros (Courtice Monitoring Station)
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4
3
2
1
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-1
-2
-3
-4
-5
ppb
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4/1/2020
7/1/2020
10/1/2020
13/01/2020
16/01/2020
19/01/2020
22/01/2020
25/01/2020
28/01/2020
31/01/2020
3/2/2020
6/2/2020
9/2/2020
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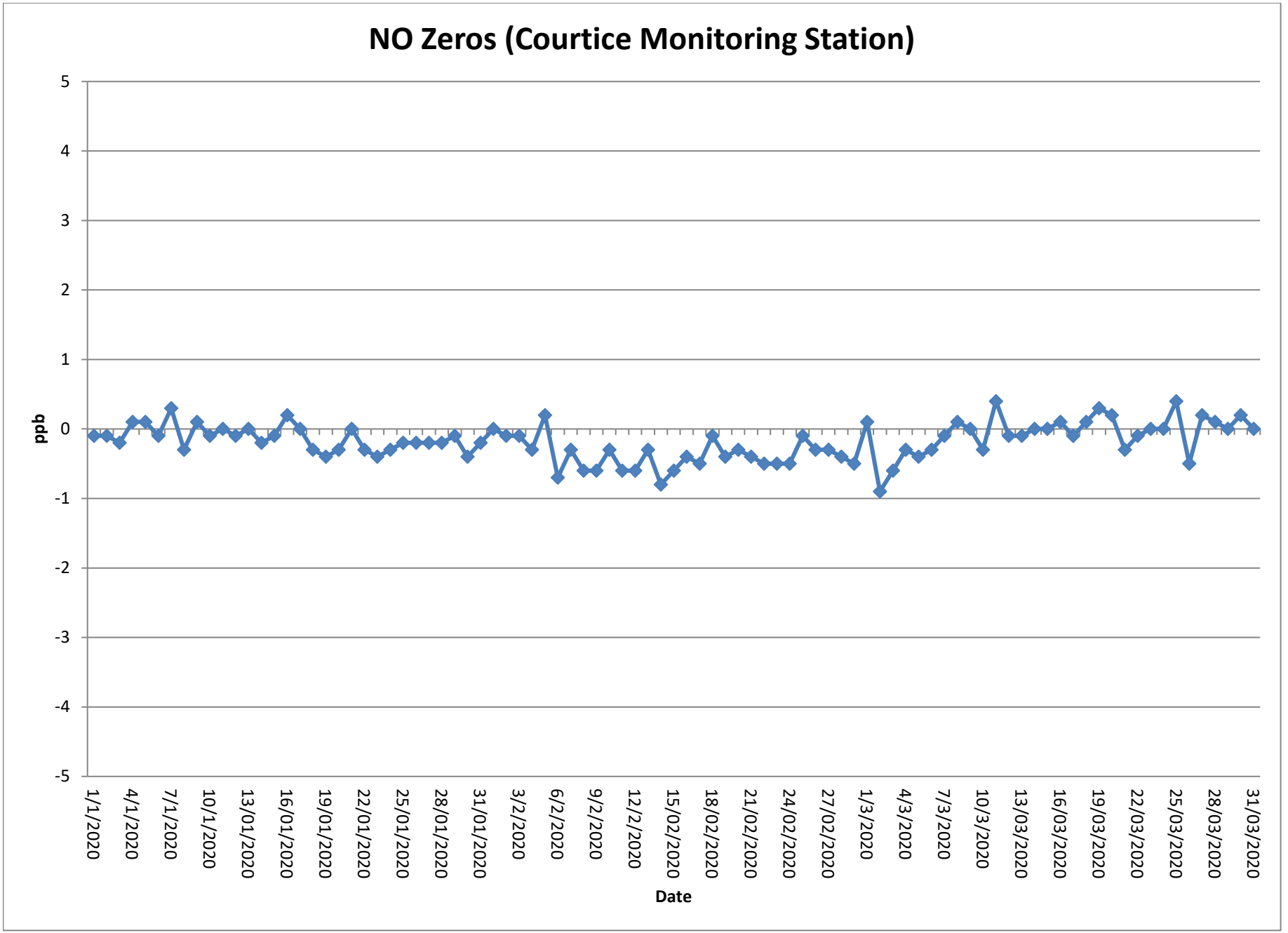
31/03/2020
Date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-2
-3
-4
-5
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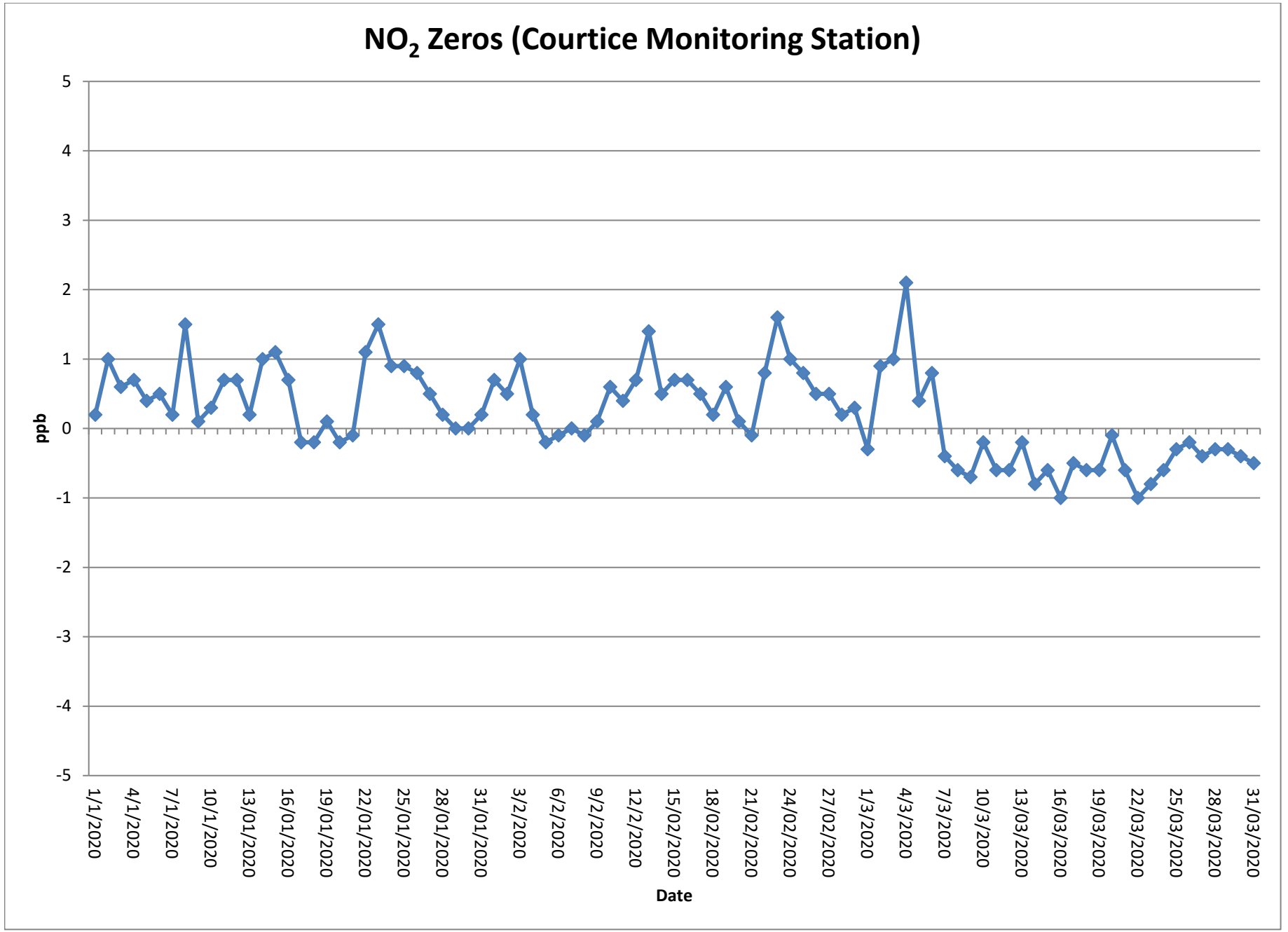
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-4
-5
1/1/2020
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7/3/2020
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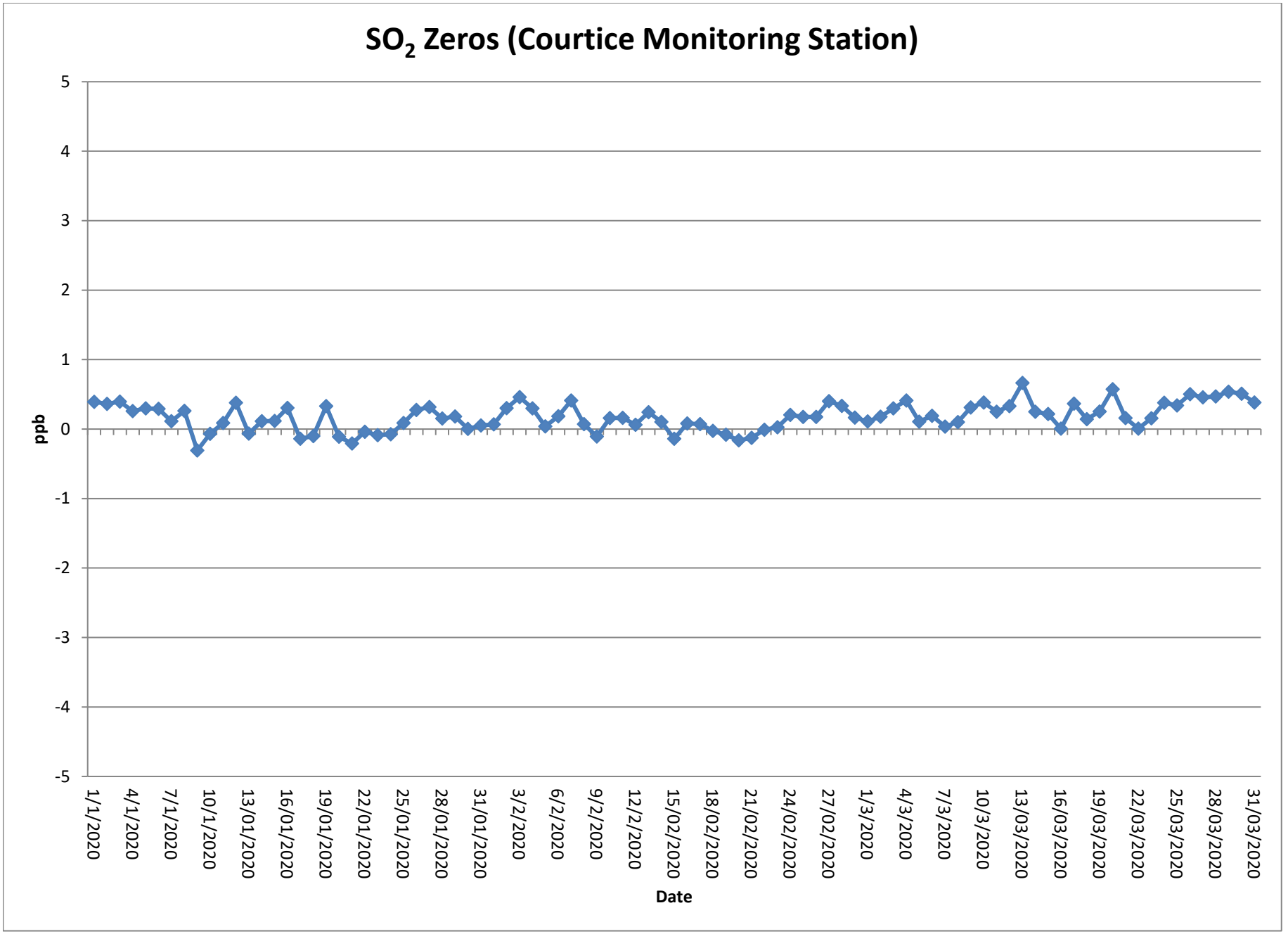
Date


SO2 Zeros (Courtice Monitoring Station)
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-2
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-4
-5
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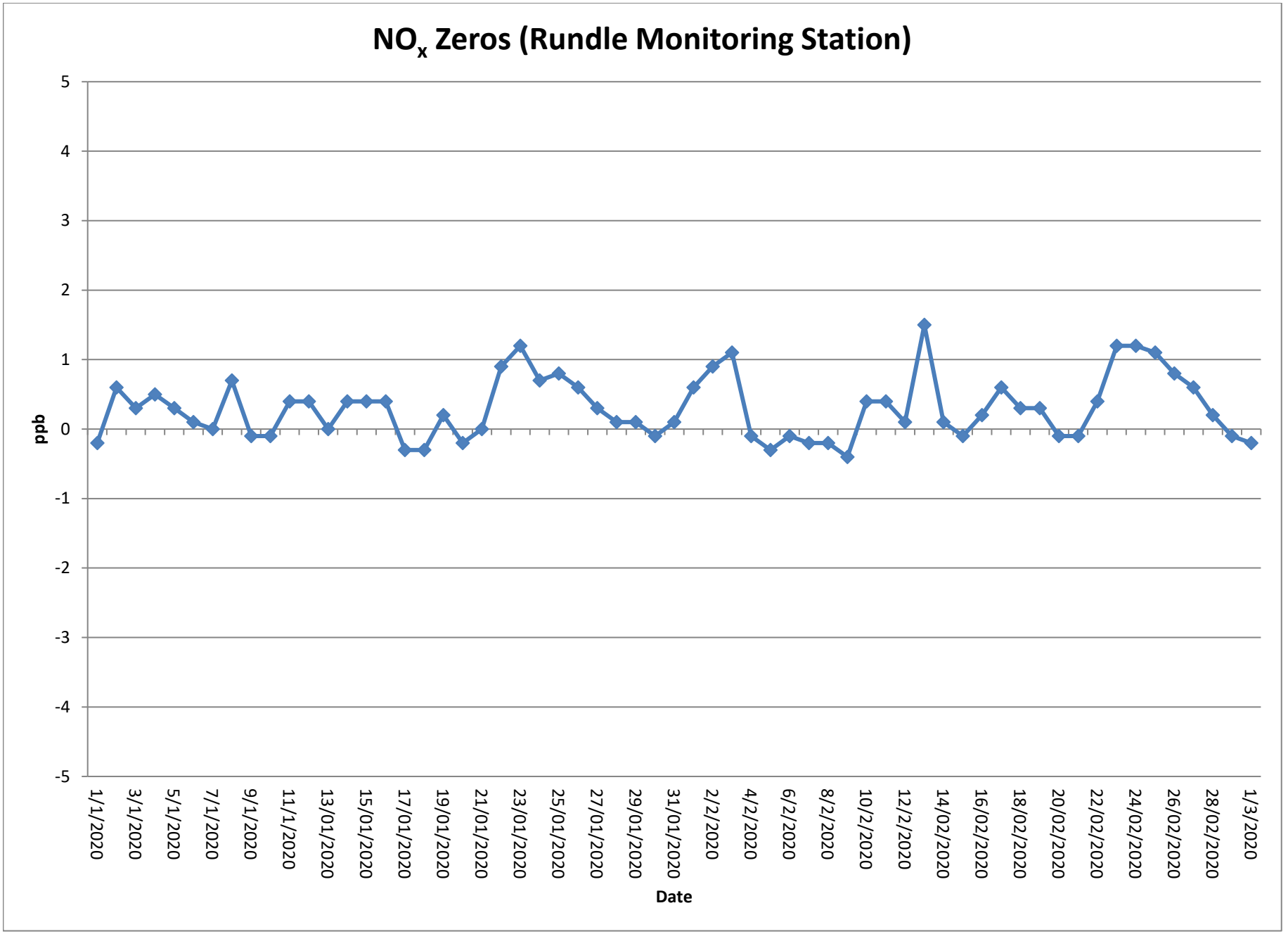
Date


NOx Zeros (Rundle Monitoring Station)
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-1
-2
-3
-4
-5
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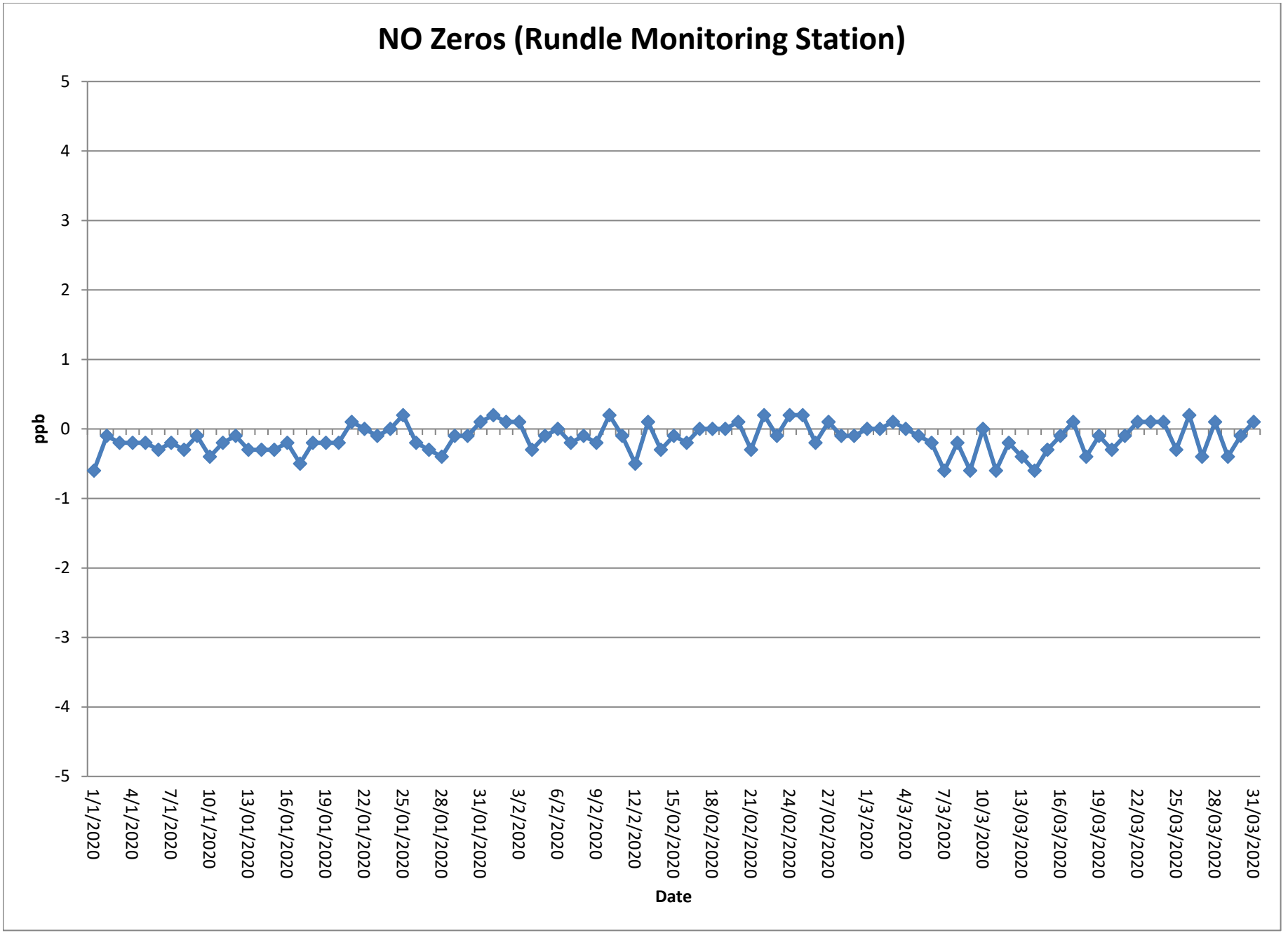
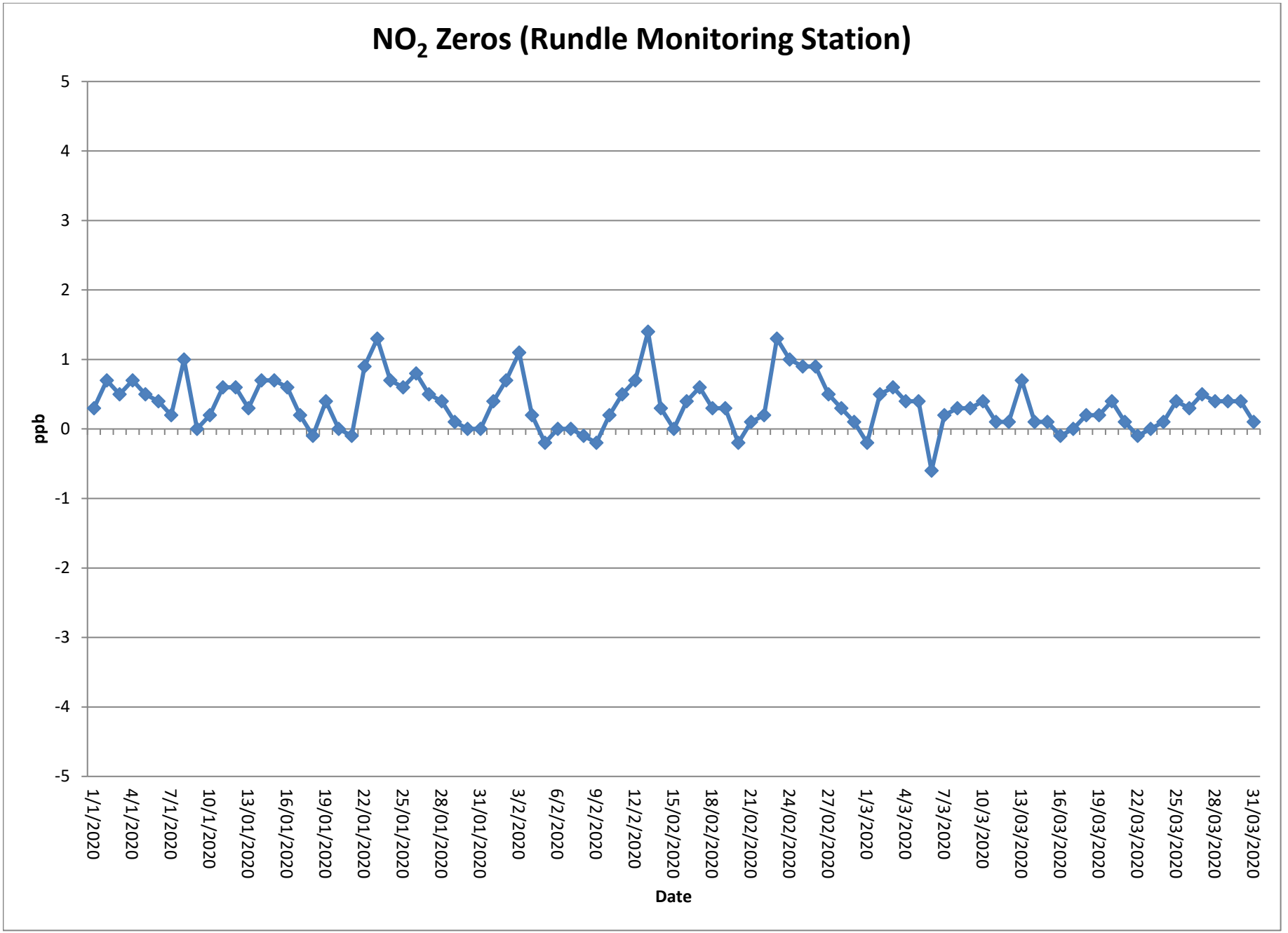
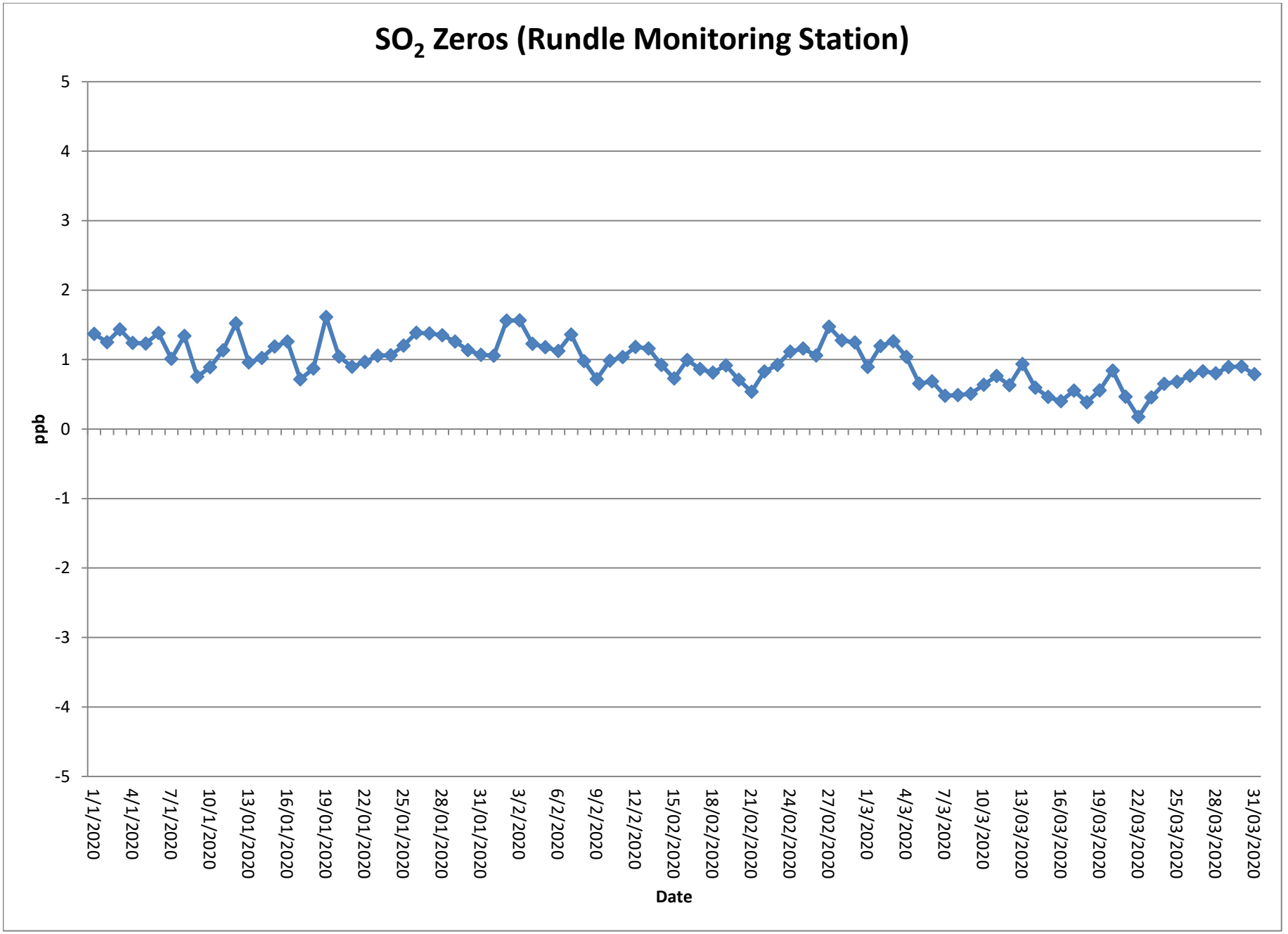
17/01/2020
19/01/2020
21/01/2020
23/01/2020
25/01/2020
27/01/2020
29/01/2020
31/01/2020
2/2/2020
4/2/2020
6/2/2020
8/2/2020
10/2/2020
12/2/2020
14/02/2020
16/02/2020
18/02/2020
20/02/2020
22/02/2020
24/02/2020
26/02/2020
28/02/2020
1/3/2020
Date


NO Zeros (Rundle Monitoring Station)
ppb
5
4
3
2
1
0
-1
-2
-3
-4
-5
1/1/2020
4/1/2020
7/1/2020
10/1/2020
13/01/2020
16/01/2020
19/01/2020
22/01/2020
25/01/2020
28/01/2020
31/01/2020
3/2/2020
6/2/2020
9/2/2020
12/2/2020
15/02/2020
18/02/2020
21/02/2020
24/02/2020
27/02/2020
1/3/2020
4/3/2020
7/3/2020
10/3/2020
13/03/2020
16/03/2020
19/03/2020
22/03/2020
25/03/2020
28/03/2020
31/03/2020
Date


NO2 Zeros (Rundle Monitoring Station)
ppb
5
4
3
2
1
0
-1
-2
-3
-4
-5
1/1/2020
4/1/2020
7/1/2020
10/1/2020
13/01/2020
16/01/2020
19/01/2020
22/01/2020
25/01/2020
28/01/2020
31/01/2020
3/2/2020
6/2/2020
9/2/2020
12/2/2020
15/02/2020
18/02/2020
21/02/2020
24/02/2020
27/02/2020
1/3/2020
4/3/2020
7/3/2020
10/3/2020
13/03/2020
16/03/2020
19/03/2020
22/03/2020
25/03/2020
28/03/2020
31/03/2020
Date


SO2 Zeros (Rundle Monitoring Station)
ppb
5
4
3
2
1
0
-1
-2
-3
-4
-5
1/1/2020
4/1/2020
7/1/2020
10/1/2020
13/01/2020
16/01/2020
19/01/2020
22/01/2020
25/01/2020
28/01/2020
31/01/2020
3/2/2020
6/2/2020
9/2/2020
12/2/2020
15/02/2020
18/02/2020
21/02/2020
24/02/2020
27/02/2020
1/3/2020
4/3/2020
7/3/2020
10/3/2020
13/03/2020
16/03/2020
19/03/2020
22/03/2020
25/03/2020
28/03/2020
31/03/2020
Date

# APPENDIX D

**Table D1:** 1st Quarter Edit Log for $PM_{2.5}$ at Courtice Station

| **Emitter's Name:** Durham York Energy Centre | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Contact** | **Name:** Ms. Lyndsay Waller | **Phone:** (905) 404-0888 ext 4107 | | **Email:** Lyndsay.Waller@Durham.ca | | | |
| **Station Number:** 45201 | | | **Station Name:** Courtice Station | | | | |
| **Station Address:** 100 Osbourne Road | | | **Emitter Address:** The Region of Durham, 605 Rossland Road, Whitby, ON | | | | |
| **Pollutants or Parameter:** $PM_{2.5}$ | | **Instrument Make & Model:** Thermo Scientific Model 5030 SHARP Monitor | | | **s/n:** E-1563 | | |
| **Data Edit Period** | Start Date: January 1, 2020 | | End Date: March 31, 2020 | | All testing done in EST | | |

| **Edit #** | **Edit date (dd/mm/yyyy)** | **Editor's Name** | **Edit Action** | **Starting** | | **Ending** | | **Reason** |
|---|---|---|---|---|---|---|---|---|
| | | | | **Date (dd/mm/yyyy)** | **Hour (xx:xx)** | **Date (dd/mm/yyyy)** | **Hour (xx:xx)** | |
| 1 | 16/01/2020 | SRS | Deleted Hours | 16/01/2020 | 15:00 | 16/01/2020 | 16:00 | Monthly Calibration |
| 2 | 05/02/2020 | SRS | Deleted Hours | 05/02/2020 | 14:00 | 05/02/2020 | 16:00 | Monthly Calibration |
| 3 | 06/03/2020 | SRS | Deleted Hours | 06/03/2020 | 16:00 | 06/03/2020 | 18:00 | Monthly Calibration |
| 4 | 09/03/2020 | VML | Deleted Hours | 06/03/2020 | 23:25 | 06/03/2020 | 23:35 | Anomolous data - Extreme high concentrations deemed to be false values |
| 5 | 20/03/2020 | VML | Deleted Hours | 20/03/2020 | 07:00 | 20/03/2020 | 08:00 | Power Failure |

**Table D2:** 1st Quarter Edit Log for $PM_{2.5}$ at Rundle Road Station

| **Emitter's Name:** Durham York Energy Centre | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Contact** | **Name:** Ms. Lyndsay Waller | | **Phone:** (905) 404-0888 ext 4107 | | **Email:** Lyndsay.Waller@Durham.ca | | | |
| **Station Number:** 45200 | | | **Station Name:** Rundle Road Station | | | | | |
| **Station Address:** Rundle Road | | | **Emitter Address:** The Region of Durham, 605 Rossland Road, Whitby, ON | | | | | |
| **Pollutants or Parameter:** $PM_{2.5}$ | | | **Instrument Make & Model:** Thermo Scientific Model 5030 SHARP Monitor | | | **s/n:** E-1569 | | |
| **Data Edit Period** | Start Date: January 1, 2020 | | End Date: March 31, 2020 | | All testing done in EST | | | |
| **Edit #** | **Edit date (dd/mm/yyyy)** | **Editor's Name** | **Edit Action** | **Starting** | | **Ending** | | **Reason** |
| | | | | **Date (dd/mm/yyyy)** | **Hour (xx:xx)** | **Date (dd/mm/yyyy)** | **Hour (xx:xx)** | |
| 1 | 17/01/2020 | SRS | Deleted Hours | 17/01/2020 | 12:00 | 17/01/2020 | 14:00 | Monthly Calibration |
| 2 | 05/02/2020 | SRS | Deleted Hours | 05/02/2020 | 17:00 | 05/02/2020 | 18:00 | Monthly Calibration |
| 3 | 07/03/2020 | SRS | Deleted Hours | 07/03/2020 | 17:00 | 07/03/2020 | 19:00 | Monthly Calibration |

**Table D3:** 1st Quarter Edit Log for $NO_x$ at Courtice Station

| **Emitter's Name:** Durham York Energy Centre | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Contact** | **Name:** Ms. Lyndsay Waller | **Phone:** (905) 404-0888 ext 4107 | | **Email:** Lyndsay.Waller@Durham.ca | | | |
| **Station Number:** 45201 | | | **Station Name:** Courtice Station | | | | |
| **Station Address:** 100 Osbourne Road | | | **Emitter Address:** The Region of Durham, 605 Rossland Road, Whitby, ON | | | | |
| **Pollutants or Parameter:** NOx | | **Instrument Make & Model:** Teledyne Nitrogen Oxide Analyzer Model T200 | | | **s/n:** 675 | | |
| **Data Edit Period** | Start Date: January 1, 2020 | | End Date: March 31, 2020 | | All testing done in EST | | |

| **Edit #** | **Edit date (dd/mm/yyyy)** | **Editor's Name** | **Edit Action** | **Starting** | | **Ending** | | **Reason** |
|---|---|---|---|---|---|---|---|---|
| | | | | **Date (dd/mm/yyyy)** | **Hour (xx:xx)** | **Date (dd/mm/yyyy)** | **Hour (xx:xx)** | |
| 1 | 16/01/2020 | SRS | Deleted Hours | 16/01/2020 | 14:00 | 16/01/2020 | 16:00 | Monthly Calibration |
| 2 | 18/02/2020 | VML | Zero correction | 01/01/2020 | 00:00 | 31/01/2020 | 23:00 | Correcting values <0 to 0 |
| 3 | 04/02/2020 | SRS | Deleted Hours | 04/02/2020 | 16:00 | 04/02/2020 | 19:00 | Monthly Calibration and replacement of the permeation tube |
| 4 | 05/02/2020 | SRS | Deleted Hours | 05/02/2020 | 14:00 | 05/02/2020 | 15:00 | Post Maintenance Calibration |
| 5 | 17/03/2020 | VML | Zero correction | 01/02/2020 | 00:00 | 29/02/2020 | 23:00 | Correcting values <0 to 0 |
| 6 | 17/03/2020 | VML | Zero offset adjustment | 03/03/2020 | 02:15 | 05/03/2020 | 01:45 | Correcting zero drift: March 4 |
| 7 | 06/03/2020 | SRS | Deleted Hours | 06/03/2020 | 15:00 | 06/03/2020 | 19:00 | Monthly Calibration and GPT |
| 8 | 20/03/2020 | VML | Deleted Hours | 20/03/2020 | 07:00 | 20/03/2020 | 08:00 | Power Failure |
| 9 | 17/04/2020 | VML | Zero correction | 01/03/2020 | 00:00 | 31/03/2020 | 23:00 | Correcting values <0 to 0 |

**Table D4:** 1st Quarter Edit Log for $NO_x$ at Rundle Road Station

| **Emitter's Name:** Durham York Energy Centre | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Contact** | **Name:** Ms. Lyndsay Waller | | **Phone:** (905) 404-0888 ext 4107 | | **Email:** Lyndsay.Waller@Durham.ca | | | |
| **Station Number:** 45200 | | | | **Station Name:** Rundle Road Station | | | | |
| **Station Address:** Rundle Road | | | | **Emitter Address:** The Region of Durham, 605 Rossland Road, Whitby, ON | | | | |
| **Pollutants or Parameter:** NOx | | | **Instrument Make & Model:** Teledyne Nitrogen Oxide Analyzer Model T200 | | | | **s/n:** 676 | |
| **Data Edit Period** | Start Date: January 1, 2020 | | | End Date: March 31, 2020 | | | All testing done in EST | |
| **Edit #** | **Edit date (dd/mm/yyyy)** | **Editor's Name** | **Edit Action** | **Starting** | | **Ending** | | **Reason** |
| | | | | **Date (dd/mm/yyyy)** | **Hour (xx:xx)** | **Date (dd/mm/yyyy)** | **Hour (xx:xx)** | |
| 1 | 07/01/2020 | SRS | Deleted Hours | 07/01/2020 | 14:00 | 07/01/2020 | 16:00 | Calibration check: Takeout cal performed and determined a new permeation device is needed |
| 2 | 16/01/2020 | SRS | Deleted Hours | 16/01/2020 | 17:00 | 16/01/2020 | 20:00 | Monthly Calibration and replacement of permeation device |
| 3 | 17/01/2020 | SRS | Deleted Hours | 17/01/2020 | 11:00 | 17/01/2020 | 13:00 | Calibration check |
| 4 | 18/02/2020 | VML | Zero correction | 01/01/2020 | 00:00 | 01/01/2020 | 23:00 | Correcting values <0 to 0 |
| 5 | 05/02/2020 | SRS | Deleted Hours | 05/02/2020 | 16:00 | 05/02/2020 | 18:00 | Monthly Calibration |
| 6 | 17/03/2020 | VML | Zero correction | 29/02/2020 | 00:00 | 29/02/2020 | 23:00 | Correcting values <0 to 0 |
| 7 | 03/03/2020 | SRS | Deleted Hours | 03/03/2020 | 15:00 | 03/03/2020 | 21:00 | Monthly Calibration and annual maintenance |
| 8 | 04/03/2020 | SRS | Deleted Hours | 04/03/2020 | 14:00 | 04/03/2020 | 22:00 | Calibration: GPT |
| 9 | 06/03/2020 | SRS | Deleted Hours | 06/03/2020 | 13:00 | 06/03/2020 | 14:00 | Calibration check |
| 10 | 17/04/2020 | VML | Zero correction | 01/03/2020 | 00:00 | 31/03/2020 | 23:00 | Correcting values <0 to 0 |

**Table D5:** 1st Quarter Edit Log for $SO_2$ at Courtice Station

| **Emitter's Name:** Durham York Energy Centre | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Contact** | **Name:** Ms. Lyndsay Waller | **Phone:** (905) 404-0888 ext 4107 | | **Email:** Lyndsay.Waller@Durham.ca | | | |
| **Station Number:** 45201 | | | **Station Name:** Courtice Station | | | | |
| **Station Address:** 100 Osbourne Road | | | **Emitter Address:** The Region of Durham, 605 Rossland Road, Whitby, ON | | | | |
| **Pollutants or Parameter:** $SO_2$ | | **Instrument Make & Model:** Teledyne Sulfur Dioxide Analyzer Model T100 | | | **s/n:** 565 | | |
| **Data Edit Period** | Start Date: January 1, 2020 | | End Date: March 31, 2020 | | All testing done in EST | | |

| Edit # | Edit Date (dd/mm/yyyy) | Editor's Name | Edit Action | Starting | | Ending | | Reason |
|---|---|---|---|---|---|---|---|---|
| | | | | Date (dd/mm/yyyy) | Hour (xx:xx) | Date (dd/mm/yyyy) | Hour (xx:xx) | |
| 1 | 16/01/2020 | SRS | Deleted Hours | 16/01/2020 | 15:00 | 16/01/2020 | 17:00 | Monthly Calibration |
| 2 | 18/02/2020 | VML | Zero correction | 01/01/2020 | 00:00 | 31/01/2020 | 23:00 | Correcting values <0 to 0 |
| 3 | 05/02/2020 | SRS | Deleted Hours | 05/02/2020 | 14:00 | 05/02/2020 | 16:00 | Monthly Calibration |
| 4 | 17/03/2020 | VML | Zero correction | 01/02/2020 | 00:00 | 29/02/2020 | 23:00 | Correcting values <0 to 0 |
| 5 | 06/03/2020 | SRS | Deleted Hours | 07/03/2020 | 13:00 | 07/03/2020 | 15:00 | Monthly Calibration |
| 6 | 20/03/2020 | VML | Deleted Hours | 20/03/2020 | 07:00 | 20/03/2020 | 08:00 | Power Failure |
| 7 | 17/04/2020 | VML | Zero correction | 01/03/2020 | 00:00 | 31/03/2020 | 23:00 | Correcting values <0 to 0 |

**Table D6:** 1st Quarter Edit Log for $SO_2$ at Rundle Road Station

| **Emitter's Name:** Durham York Energy Centre | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Contact** | **Name:** Ms. Lyndsay Waller | **Phone:** (905) 404-0888 ext 4107 | | **Email:** Lyndsay.Waller@Durham.ca | | | |
| **Station Number:** 45200 | | | **Station Name:** Rundle Road Station | | | | |
| **Station Address:** Rundle Road | | | **Emitter Address:** The Region of Durham, 605 Rossland Road, Whitby, ON | | | | |
| **Pollutants or Parameter:** $SO_2$ | | **Instrument Make & Model:** Teledyne Sulfur Dioxide Analyzer Model T100 | | | **s/n:** 566 | | |
| **Data Edit Period** | Start Date: January 1, 2020 | | End Date: March 31, 2020 | | All testing done in EST | | |

| Edit # | Edit date (dd/mm/yyyy) | Editor's Name | Edit Action | Starting | | Ending | | Reason |
|---|---|---|---|---|---|---|---|---|
| | | | | Date (dd/mm/yyyy) | Hour (xx:xx) | Date (dd/mm/yyyy) | Hour (xx:xx) | |
| 1 | 17/01/2020 | SRS | Deleted Hours | 17/01/2020 | 12:00 | 17/01/2020 | 14:00 | Monthly Calibration |
| 2 | 18/02/2020 | VML | Zero correction | 01/01/2020 | 00:00 | 01/01/2020 | 23:00 | Correcting values <0 to 0 |
| 3 | 05/02/2020 | SRS | Deleted Hours | 05/02/2020 | 17:00 | 05/02/2020 | 19:00 | Monthly Calibration |
| 4 | 17/03/2020 | VML | Zero correction | 29/02/2020 | 00:00 | 29/02/2020 | 23:00 | Correcting values <0 to 0 |
| 5 | 03/03/2020 | SRS | Deleted Hours | 03/03/2020 | 18:00 | 03/03/2020 | 19:35 | Monthly Calibration |
| 6 | 17/04/2020 | VML | Zero offset adjustment | 03/03/2020 | 19:35 | 31/03/2020 | 23:55 | Correcting low zero calibration: March 3 to March 31, 2020 |
| 7 | 17/04/2020 | VML | Zero correction | 01/03/2020 | 00:00 | 31/03/2020 | 23:00 | Correcting values <0 to 0 |

**Table D7:** 1st Quarter Edit Log for Meteorological Parameters at Courtice Road Station

| **Emitter's Name:** Durham York Energy Centre | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Contact** | **Name:** Ms. Lyndsay Waller | | **Phone:** (905) 404-0888 ext 4107 | | **Email:** Lyndsay.Waller@Durham.ca | | | |
| **Station Number:** 45201 | | | | **Station Name:** Courtice Station | | | | |
| **Station Address:** 100 Osbourne Road | | | | **Emitter Address:** The Region of Durham, 605 Rossland Road, Whitby, ON | | | | |
| **Pollutants or Parameter:** WS, WD, Ambient T, P, RH and Rain | | | **Instrument Make & Model:** Miscellaneous Meterological Instrumentation | | | **s/n:** N/A | | |
| **Data Edit Period** | | Start Date: January 1, 2020 | | End Date: March 31, 2020 | | All testing done in EST | | |
| **Edit #** | **Edit date (dd/mm/yyyy)** | **Editor's Name** | **Edit Action** | **Starting** | | **Ending** | | **Reason** |
| | | | | **Date (dd/mm/yyyy)** | **Hour (xx:xx)** | **Date (dd/mm/yyyy)** | **Hour (xx:xx)** | |
| 1 | 18/02/2020 | VML | Deleted Hours | 29/01/2020 | 11:00 | 29/01/2020 | 12:00 | Missing Data |

**Table D8:** 1st Quarter Edit Log for Meteorological Parameters at Rundle Road Station

| **Emitter's Name:** Durham York Energy Centre | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Contact** | **Name:** Ms. Lyndsay Waller | **Phone:** (905) 404-0888 ext 4107 | **Email:** Lyndsay.Waller@Durham.ca | | | | | |
| **Station Number:** 45200 | | | **Station Name:** Rundle Station | | | | | |
| **Station Address:** Rundle Road | | | **Emitter Address:** The Region of Durham, 605 Rossland Road, Whitby, ON | | | | | |
| **Pollutants or Parameter:** WS, WD, Ambient T, P, RH and Rain | | **Instrument Make & Model:** Miscellaneous Meterological Instrumentation | | | | | **s/n:** N/A | |
| **Data Edit Period** | | Start Date: January 1, 2020 | End Date: March 31, 2020 | | | | All testing done in EST | |
| **Edit #** | **Edit date (dd/mm/yyyy)** | **Editor's Name** | **Edit Action** | **Starting** | | **Ending** | | **Reason** |
| | | | | **Date (dd/mm/yyyy)** | **Hour (xx:xx)** | **Date (dd/mm/yyyy)** | **Hour (xx:xx)** | |
| - | - | - | - | - | - | - | - | - |

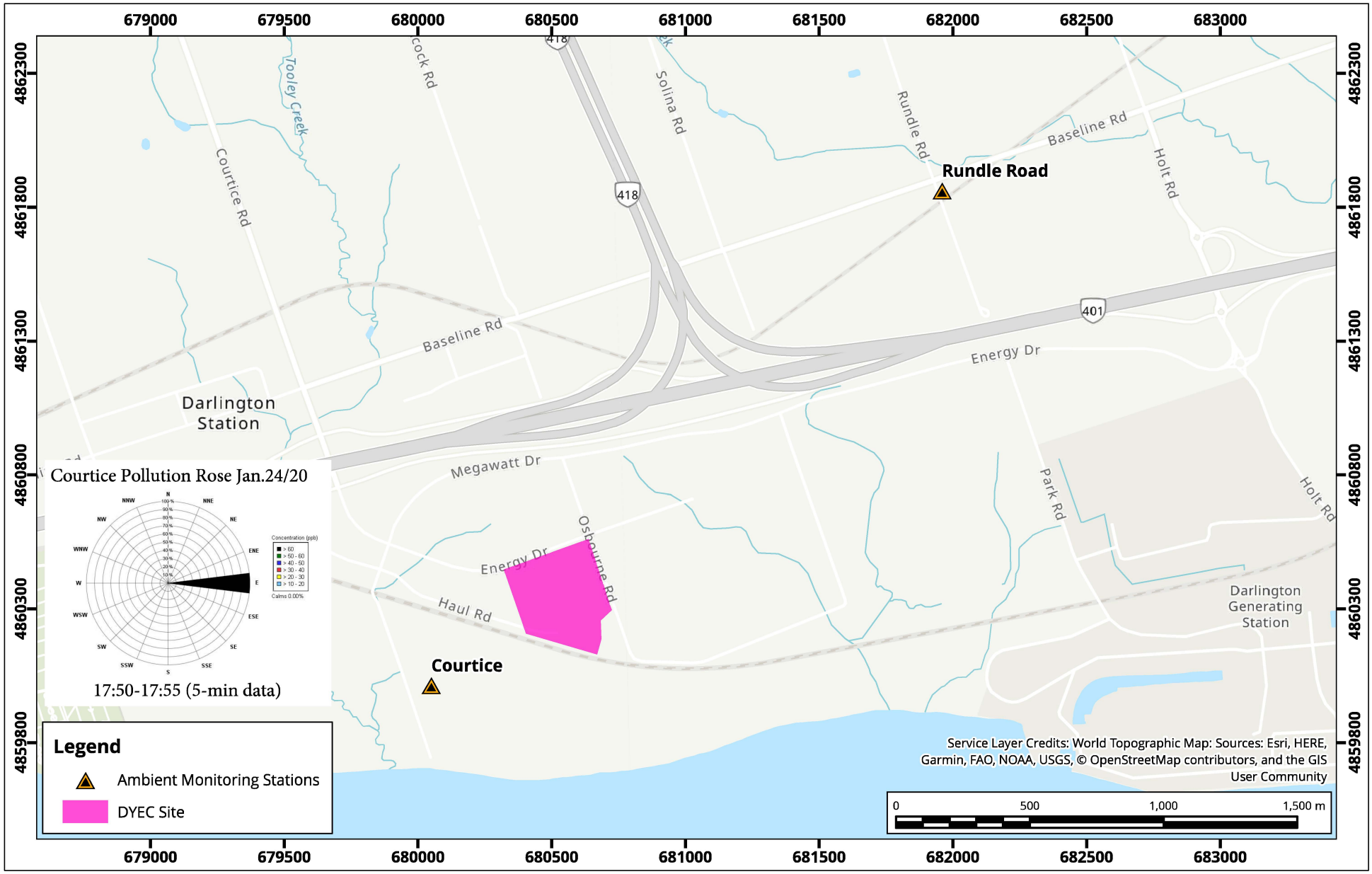
**Table D9: 1st Quarter Edit Log for Discrete Sampling at Courtice Station**

| **Emitter's Name:** Durham York Energy Center | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Contact** | **Name:** Ms. Lyndsay Waller | **Phone:** (905) 404-0888 ext 4107 | | **Email:** Lyndsay.Waller@Durham.ca | | | | |
| **Station Number:** 45201 | | | | **Station Name:** Courtice Station | | | | |
| **Station Address:** 100 Osbourne Road | | | | **Emitter Address:** The Region of Durham, 605 Rossland Road, Whitby, ON | | | | |
| **Pollutants or Parameter:** N/A | | **Instrument Make & Model:** N/A | | | | | **s/n:** | |
| **Data Edit Period** | Start Date: January 1, 2020 | | | End Date: March 31, 2020 | | | All testing done in EST | |
| **Edit #** | **Edit date (dd/mm/yyyy)** | **Editor's Name** | **Edit Action** | **Starting** | | **Ending** | | **Reason** |
| | | | | **Date (dd/mm/yyyy)** | **Hour (xx:xx)** | **Date (dd/mm/yyyy)** | **Hour (xx:xx)** | |
| 1 | 15/01/2020 | SRS | Maintenance | 15/01/2020 | 16:00 | 15/01/2020 | 17:00 | Began hardwiring of electrical for Hivol and PS1 |
| 2 | 17/01/2020 | SRS | Maintenance | 17/01/2020 | 15:00 | 17/01/2020 | 16:00 | Finished hardwiring of electrical for Hivol and PS1 |
| 3 | 20/01/2020 | MT | Troubleshooting (PS1) | 20/01/2020 | 14:00 | 20/01/2020 | 15:00 | Troubleshooting: PUF motors werent able to get up to the correct pressure. Investigation revealed the lab had supplied different filter brands. This caused the January 4 and 16 samples to not reach the correct sample volumes. |
| 4 | 05/03/2020 | SRS | Maintenance | 05/03/2020 | 12:00 | 05/03/2020 | 13:00 | Enclosed pressure transducers and relay bypass switches in an electrical box (Hivol and PS1) |
| 5 | 06/03/2020 | SRS | Calibration (PS1) | 06/03/2020 | 17:00 | 06/03/2020 | 17:00 | Quarterly calibration (PS1) |
| 6 | 07/03/2020 | SRS | Calibration (Hivol) | 07/03/2020 | 14:00 | 07/03/2020 | 15:00 | Quarterly calibration (Hivol) and calibrated pressure transducers (PS1 and Hivol) |

**Table D10: 1st Quarter Edit Log for Discrete Sampling at Rundle Station**

| **Emitter's Name:** Durham York Energy Center | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Contact** | **Name:** Ms. Lyndsay Waller | **Phone:** (905) 404-0888 ext 4107 | | **Email:** Lyndsay.Waller@Durham.ca | | | | |
| **Station Number:** 45200 | | | | **Station Name:** Rundle Station | | | | |
| **Station Address:** Rundle Rd | | | | **Emitter Address:** The Region of Durham, 605 Rossland Road, Whitby, ON | | | | |
| **Pollutants or Parameter:** N/A | | **Instrument Make & Model:** N/A | | | | | **s/n:** | |
| **Data Edit Period** | Start Date: January 1, 2020 | | | End Date: March 31, 2020 | | | All testing done in EST | |
| **Edit #** | **Edit date (dd/mm/yyyy)** | **Editor's Name** | **Edit Action** | **Starting** | | **Ending** | | **Reason** |
| | | | | **Date (dd/mm/yyyy)** | **Hour (xx:xx)** | **Date (dd/mm/yyyy)** | **Hour (xx:xx)** | |
| 1 | 07/01/2020 | SRS | Maintenance | 07/01/2020 | 17:00 | 07/01/2020 | 18:00 | Began hardwiring of electrical for Hivol and PS1 |
| 2 | 17/01/2020 | SRS | Maintenance | 08/01/2020 | 11:00 | 08/01/2020 | 12:00 | Finished hardwiring of electrical for Hivol and PS1 |
| 3 | 20/01/2020 | MT | Invalidated Sample (Hivol) | 20/01/2020 | 13:00 | 20/01/2020 | 14:00 | Invalid Hivol Sample on January 16: Filter covered in ice |
| 4 | 20/01/2020 | MT | Troubleshooting (PS1) | 20/01/2020 | 13:00 | 20/01/2020 | 14:00 | Troubleshooting: PUF motors werent able to get up to the correct pressure. Investigation revealed the lab had supplied different filter brands. |
| 5 | 27/01/2020 | MT | Invalidated Sample (Hivol) | 27/01/2020 | 12:00 | 27/01/2020 | 13:00 | Invalid Hivol Sample on January 22: GFCI tripped |
| 6 | 05/02/2020 | SRS | Maintenance | 05/02/2020 | 16:00 | 05/02/2020 | 17:00 | Adjusted baseline offset on hivol pressure transducer |
| 7 | 28/02/2020 | MT | Invalidated Sample (Hivol) | 28/02/2020 | 14:00 | 28/02/2020 | 15:00 | Invalid Hivol Sample on February 27: Snow found inside of hivol inlet and tripped GFCI |
| 8 | 06/03/2020 | SRS | Calibration (Hivol & PS1) | 06/03/2020 | 12:00 | 06/03/2020 | 13:00 | Quarterly calibration (Hivol and PS1) |
| 9 | 07/03/2020 | SRS | Maintenance | 07/03/2020 | 15:00 | 07/03/2020 | 16:00 | Enclosed pressure transducers and relay bypass switches in an electrical box (Hivol and PS1). Calibrated pressure transducers. |

# APPENDIX E




$SO_2$ 10-min Running Average Exceedance: January 24, 2020 17:55

True North

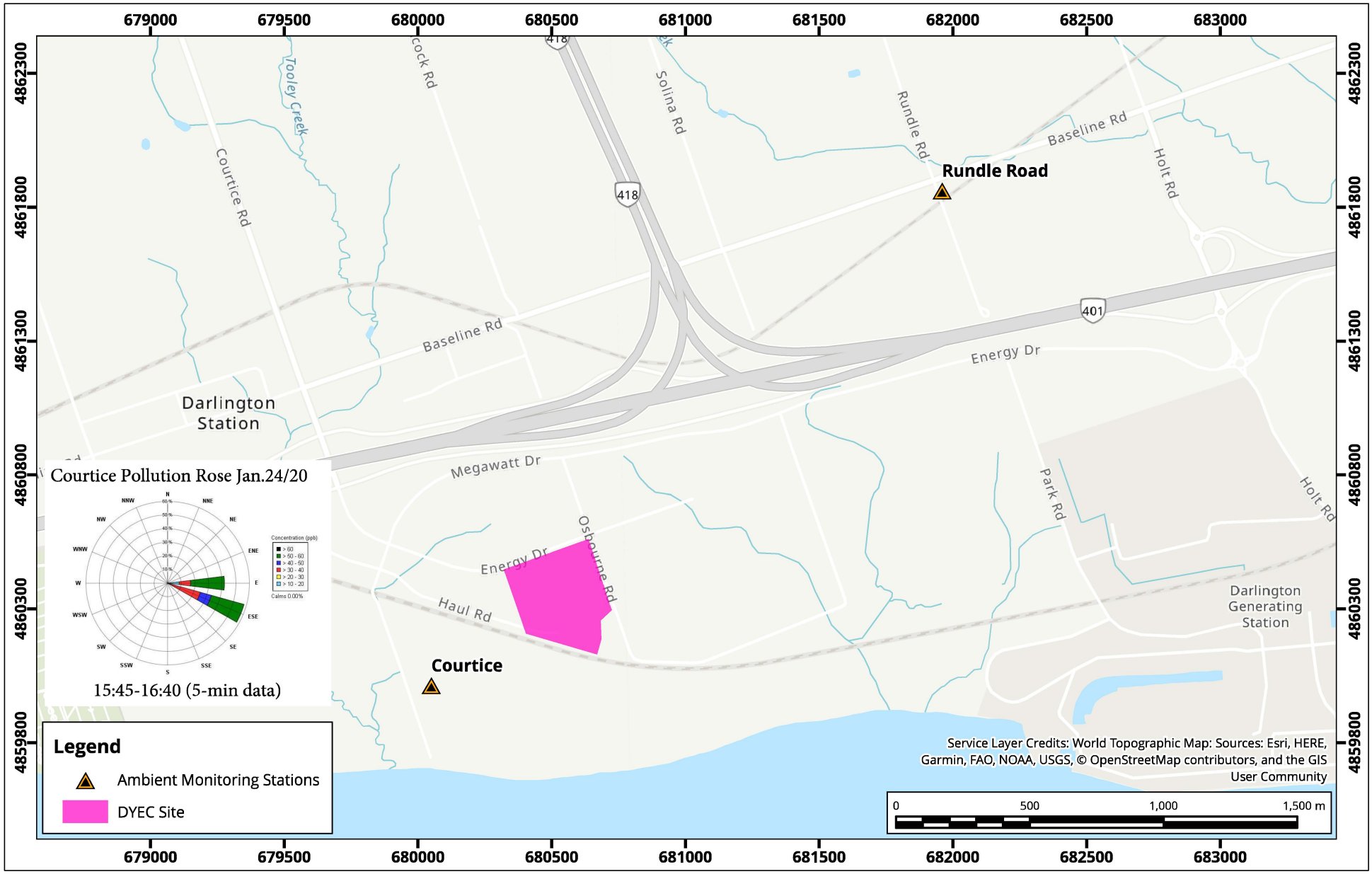
| | |
|---|---|
| Drawn by: VML | Figure: 1 |
| Approx. Scale: | 1:20,000 |
| Date Revised: May 5, 2020 | |

Map Projection: NAD 1983 UTM Zone 17N

DYEC - Region of Durham, Ontario

Project #: 1803743

Map Document: C:\GIS Temp - Copy\1803743\1803743_Durham_Energy_Centre.aprx




$SO_2$ 1-Hour Running Average Exceedance: January 24, 2020 16:40

True North

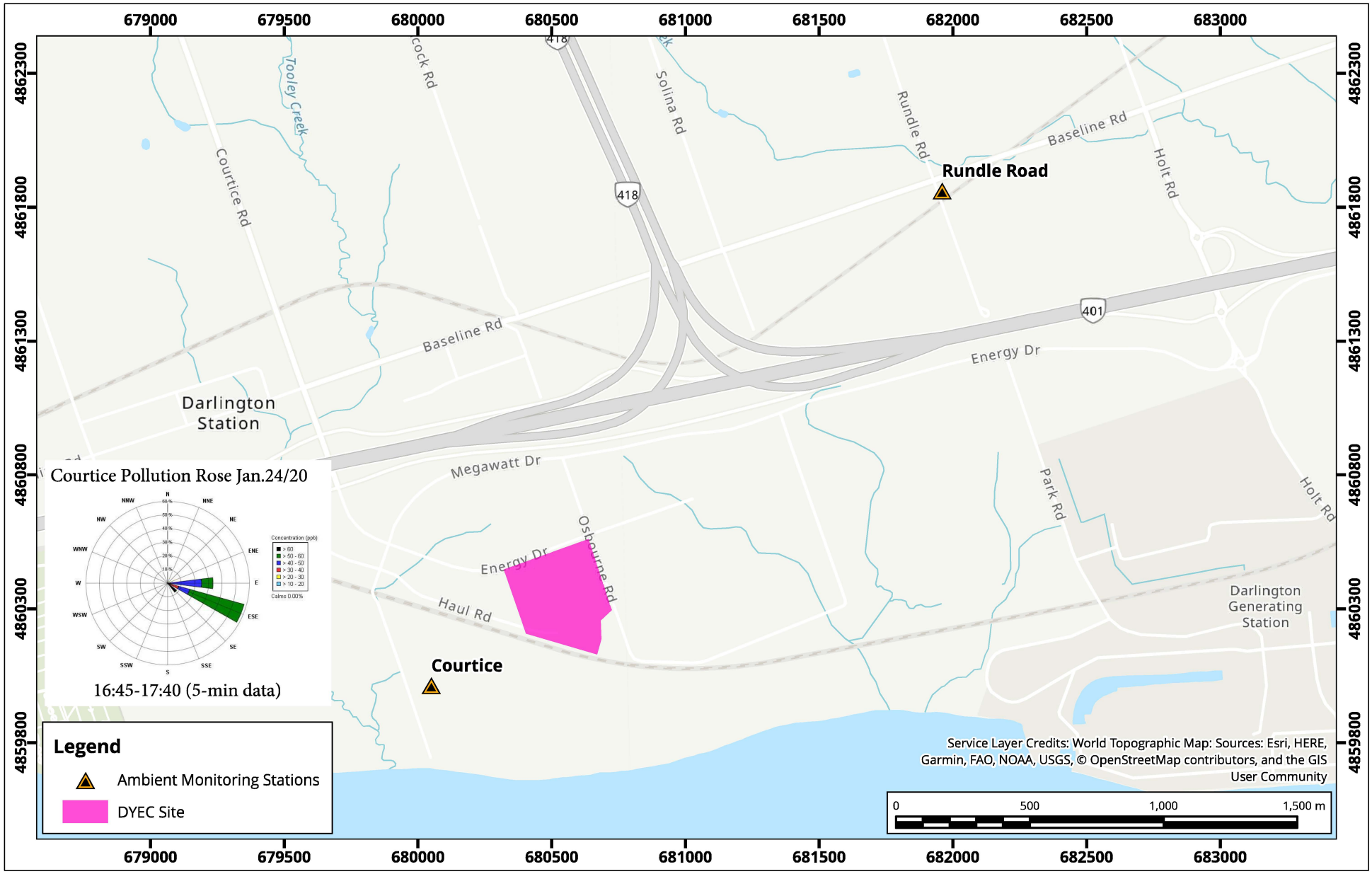
| | |
|---|---|
| Drawn by: VML | Figure: 2 |
| Approx. Scale: | 1:20,000 |
| Date Revised: May 5, 2020 | |

Map Projection: NAD 1983 UTM Zone 17N

DYEC - Region of Durham, Ontario

Project #: 1803743

Map Document: C:\GIS Temp - Copy\1803743\1803743_Durham_Energy_Centre.aprx




$SO_2$ 1-Hour Running Average Exceedance: January 24, 2020 17:40

True North

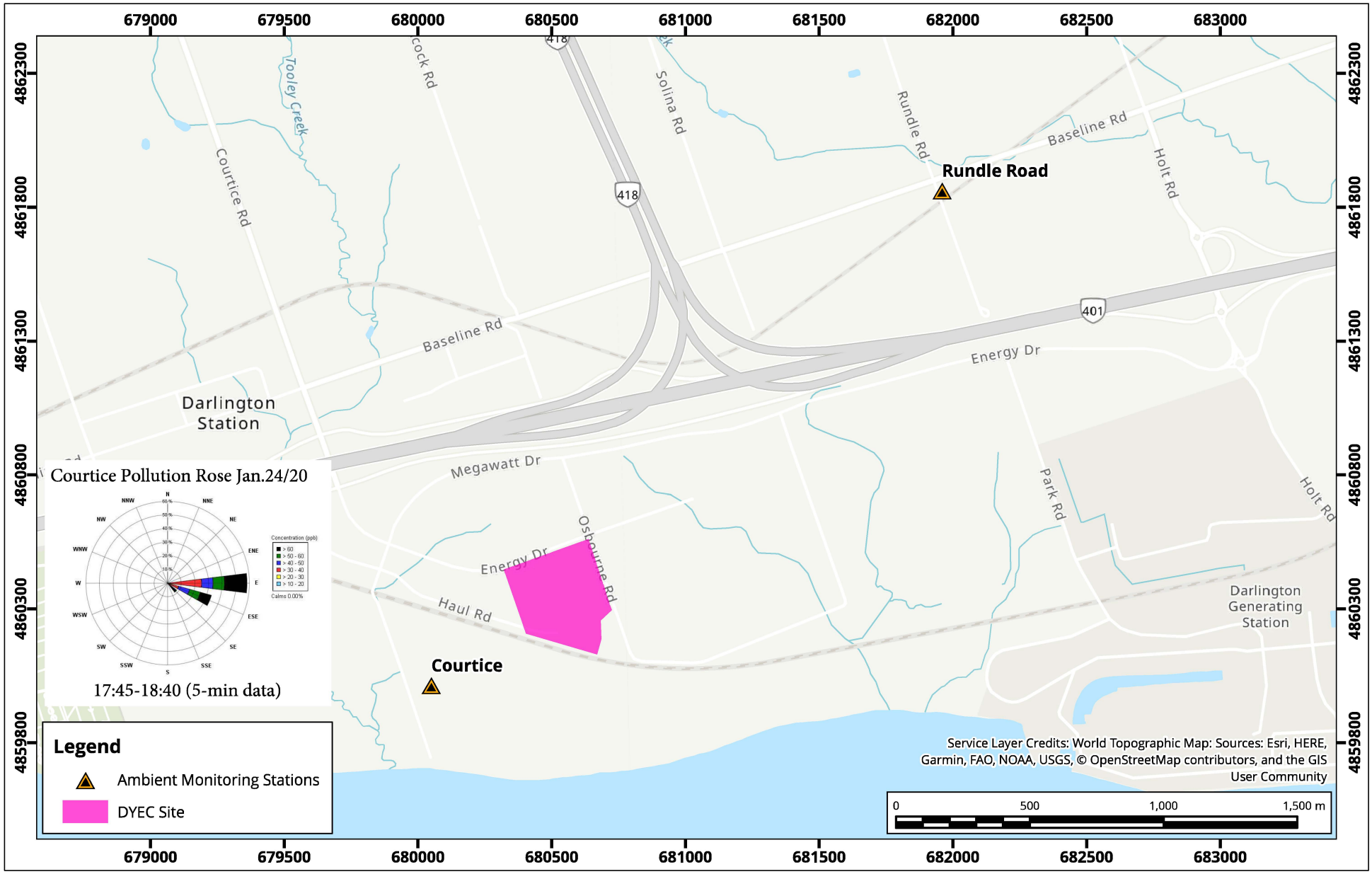
| | |
|---|---|
| Drawn by: VML | Figure: 3 |
| Approx. Scale: | 1:20,000 |
| Date Revised: May 5, 2020 | |

Map Projection: NAD 1983 UTM Zone 17N

DYEC - Region of Durham, Ontario

Project #: 1803743

Map Document: C:\GIS Temp - Copy\1803743\1803743_Durham_Energy_Centre.aprx




$SO_2$ 1-Hour Running Average Exceedance: January 24, 2020 18:40

True North

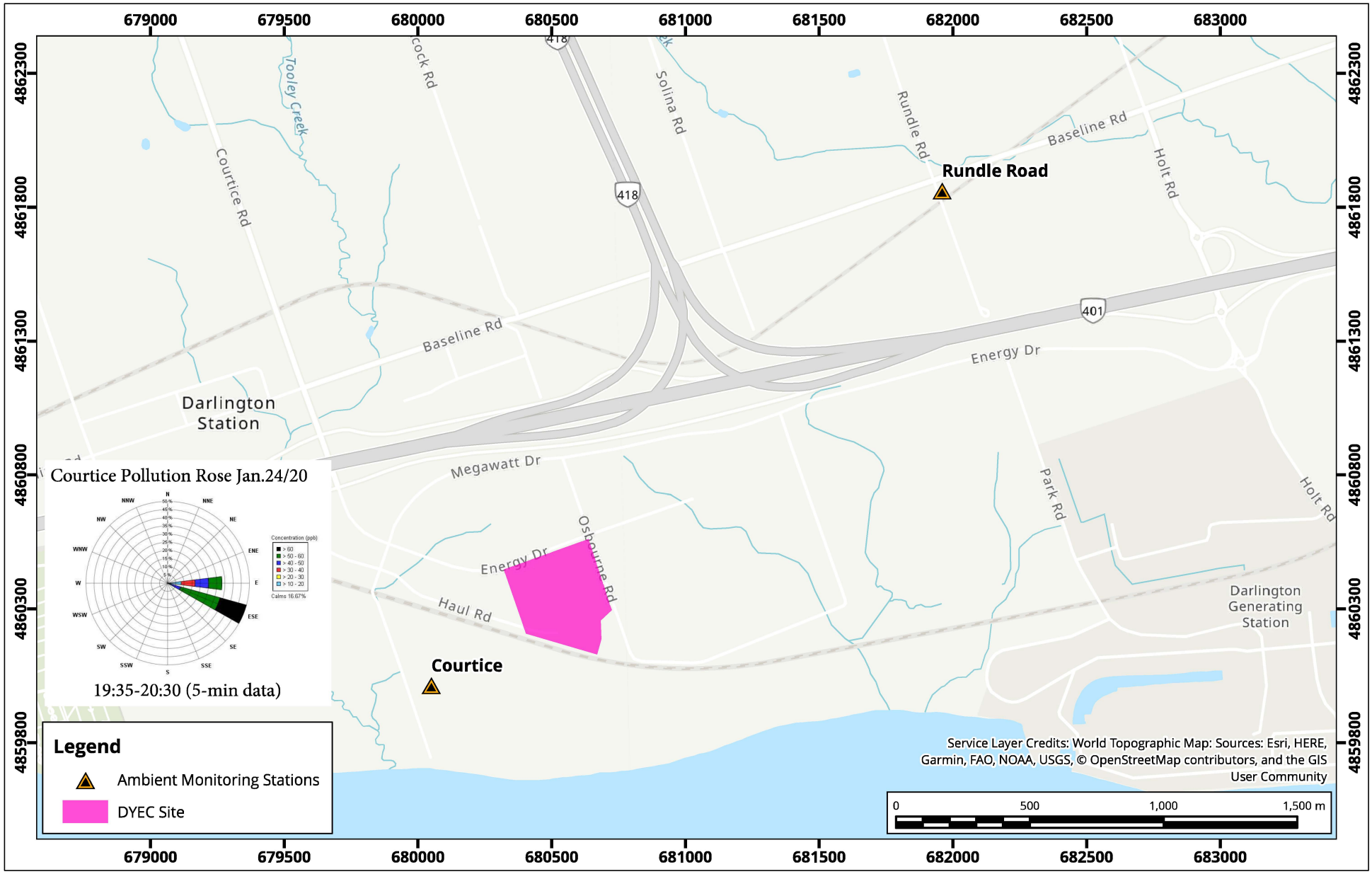
| | |
|---|---|
| Drawn by: VML | Figure: 4 |
| Approx. Scale: | 1:20,000 |
| Date Revised: May 5, 2020 | |

Map Projection: NAD 1983 UTM Zone 17N

DYEC - Region of Durham, Ontario

Project #: 1803743

Map Document: C:\GIS Temp - Copy\1803743\1803743_Durham_Energy_Centre.aprx




$SO_2$ 1-Hour Running Average Exceedance: January 24, 2020 20:30

True North

| | |
|---|---|
| Drawn by: VML | Figure: 5 |
| Approx. Scale: | 1:20,000 |
| Date Revised: May 5, 2020 | |

Map Projection: NAD 1983 UTM Zone 17N

DYEC - Region of Durham, Ontario

Project #: 1803743

Map Document: C:\GIS Temp - Copy\1803743\1803743_Durham_Energy_Centre.aprx

**Table E1. $SO_2$ Courtice Monitoring Station 10-min Running Average Exceedance Period on January 24, 2020**

| Date & Time | $SO_2$ 5-min Avg. | $SO_2$ 10-min Running Avg. | |
|---|---|---|---|
| EST | ppb | ppb | |
| 24/01/2020 17:30 | 55.517 | 53.902 | |
| 24/01/2020 17:35 | 41.936 | 48.727 | |
| 24/01/2020 17:40 | 63.922 | 52.929 | |
| 24/01/2020 17:45 | 65.415 | 64.668 | |
| 24/01/2020 17:50 | 61.628 | 63.522 | |
| 24/01/2020 17:55 | 82.391 | 72.01 | 1 |
| 24/01/2020 18:00 | 75.743 | 79.067 | |
| 24/01/2020 18:05 | 49.038 | 62.39 | |
| 24/01/2020 18:10 | 37.644 | 43.341 | |
| 24/01/2020 18:15 | 50.972 | 44.308 | |

| | |
|---|---|
| D, T & V | Date, Time & Exceedance Value Reported (Reported exceedance is the first running avg. value highlighted) |
| **Max** | Maximum of the Range |
| Min | Minimum of the Range |
| Faded Values | These values are not used to calculate the number of reportable exceedances |
| | Range of 5-minute measurements that contribute to the exceedance value reported |
| | Range of running average values during exceedance period |
| | Exceedance number |

**Table E2. $SO_2$ Courtice Monitoring Station 1-Hour Running Average Exceedance Periods on January 24, 2020**

| Date & Time | $SO_2$ 5-min Avg. | $SO_2$ 1-hr Running Avg. | |
|---|---|---|---|
| EST | ppb | ppb | |
| 24/01/2020 15:00 | 0.899 | 5.352 | |
| 24/01/2020 15:05 | 1.012 | 4.951 | |
| 24/01/2020 15:10 | 1.797 | 3.842 | |
| 24/01/2020 15:15 | 8.581 | 3.021 | |
| 24/01/2020 15:20 | 15.327 | 3.303 | |
| 24/01/2020 15:25 | 15.006 | 4.217 | |
| 24/01/2020 15:30 | 5.486 | 4.518 | |
| 24/01/2020 15:35 | 2.31 | 4.58 | |
| 24/01/2020 15:40 | 3.415 | 4.738 | |
| 24/01/2020 15:45 | 14.285 | 5.844 | |
| 24/01/2020 15:50 | 38.518 | 8.968 | |
| 24/01/2020 15:55 | 46.771 | 12.784 | |
| 24/01/2020 16:00 | 50.29 | 16.9 | |
| 24/01/2020 16:05 | 37.827 | 19.968 | |
| 24/01/2020 16:10 | 33.705 | 22.627 | |
| 24/01/2020 16:15 | 38.554 | 25.125 | |
| 24/01/2020 16:20 | 50.816 | 28.082 | |
| 24/01/2020 16:25 | 58.051 | 31.669 | |
| 24/01/2020 16:30 | 55.436 | 35.832 | |
| 24/01/2020 16:35 | 50.044 | 39.809 | |
| 24/01/2020 16:40 | 51.985 | 43.857 | 1 |
| 24/01/2020 16:45 | 53.954 | 47.163 | |
| 24/01/2020 16:50 | 54.247 | 48.473 | |
| 24/01/2020 16:55 | 55.017 | 49.161 | |
| 24/01/2020 17:00 | 57.267 | 49.742 | |
| 24/01/2020 17:05 | 47.699 | 50.565 | |
| 24/01/2020 17:10 | 43.399 | 51.372 | |
| 24/01/2020 17:15 | 40.722 | **51.553** | |
| 24/01/2020 17:20 | 34.681 | 50.209 | |
| 24/01/2020 17:25 | 52.286 | 49.728 | |
| 24/01/2020 17:30 | 55.517 | 49.735 | |
| 24/01/2020 17:35 | 41.936 | 49.059 | |
| 24/01/2020 17:40 | 63.922 | 50.054 | 2 |
| 24/01/2020 17:45 | 65.415 | 51.009 | |
| 24/01/2020 17:50 | 61.628 | 51.624 | |
| 24/01/2020 17:55 | 82.391 | 53.905 | |
| 24/01/2020 18:00 | 75.743 | 55.445 | |
| 24/01/2020 18:05 | 49.038 | 55.556 | |
| 24/01/2020 18:10 | 37.644 | 55.077 | |
| 24/01/2020 18:15 | 50.972 | 55.931 | |
| 24/01/2020 18:20 | 38.181 | **56.223** | |
| 24/01/2020 18:25 | 30.201 | 54.382 | |
| 24/01/2020 18:30 | 35.003 | 52.673 | |
| 24/01/2020 18:35 | 49.585 | 53.31 | |
| 24/01/2020 18:40 | 53.377 | **52.432** | 3 |
| 24/01/2020 18:45 | 46.207 | 50.831 | |
| 24/01/2020 18:50 | 33.014 | 48.446 | |
| 24/01/2020 18:55 | 24.92 | 43.657 | |
| 24/01/2020 19:00 | 33.687 | 40.152 | |
| 24/01/2020 19:05 | 63.208 | 41.333 | |
| 24/01/2020 19:10 | 55.207 | 42.797 | |
| 24/01/2020 19:15 | 46.471 | 42.422 | |
| 24/01/2020 19:20 | 50.38 | 43.438 | |
| 24/01/2020 19:25 | 25.53 | 43.049 | |
| 24/01/2020 19:30 | 7.706 | 40.774 | |
| 24/01/2020 19:35 | 5.646 | 37.113 | |
| 24/01/2020 19:40 | 9.654 | 33.469 | |
| 24/01/2020 19:45 | 10.804 | 30.519 | |
| 24/01/2020 19:50 | 33.511 | 30.56 | |
| 24/01/2020 19:55 | 49.731 | 32.628 | |
| 24/01/2020 20:00 | 52.039 | 34.157 | |
| 24/01/2020 20:05 | 51.412 | 33.174 | |
| 24/01/2020 20:10 | 54.13 | 33.085 | |
| 24/01/2020 20:15 | 46.141 | 33.057 | |
| 24/01/2020 20:20 | 60.034 | 33.862 | |
| 24/01/2020 20:25 | 63.572 | 37.032 | |
| 24/01/2020 20:30 | 57.735 | 41.201 | 4 |
| 24/01/2020 20:35 | 50.756 | 44.96 | |
| 24/01/2020 20:40 | 43.893 | 47.813 | |
| 24/01/2020 20:45 | 29.878 | **49.403** | |
| 24/01/2020 20:50 | 12.592 | 47.659 | |
| 24/01/2020 20:55 | 13.683 | 44.655 | |
| 24/01/2020 21:00 | 18.591 | 41.868 | |
| 24/01/2020 21:05 | 16.755 | 38.98 | |
| 24/01/2020 21:10 | 8.49 | 35.177 | |
| 24/01/2020 21:15 | 18.448 | 32.869 | |
| 24/01/2020 21:20 | 38.095 | 31.041 | |
| 24/01/2020 21:25 | 41.641 | 29.213 | |
| 24/01/2020 21:30 | 43.064 | 27.991 | |
| 24/01/2020 21:35 | 35.232 | 26.697 | |
| 24/01/2020 21:40 | 33.221 | 25.807 | |
| 24/01/2020 21:45 | 44.172 | 26.999 | |
| 24/01/2020 21:50 | 36.804 | 29.016 | |
| 24/01/2020 21:55 | 32.044 | 30.546 | |
| 24/01/2020 22:00 | 39.016 | 32.249 | |

| | |
|---|---|
| D, T & V | Date, Time & Exceedance Value Reported (Reported exceedance is the first running avg. value highlighted) |
| **Max** | Maximum of the Range |
| Min | Minimum of the Range |
| Faded Values | These values are not used to calculate the number of reportable exceedances |
| | Range of 5-minute measurements that contribute to the exceedance value reported |
| | Range of running average values during exceedance period |
| | Exceedance number |

Ontario
Ministry of the Environment

# Notification of Exceedence – Regulation 419/05
## General Information and Instructions

### General Information

Information requested in this notification form is collected under the authority of the *Environmental Protection Act,* R.S.O. 1990 (EPA) and O. Reg. 419/05 and will be used to collect information relating to a measured or modelled air related exceedence as required by s.25(9), s.28(1) and s.30(3) of O. Reg. 419/05. The Ministry of the Environment (MOE) may also request additional information.

1. Questions regarding completion and submission of this notification form should be directed to your local MOE District Office. A list of these District Offices (including fax numbers) is available on the Ministry of the Environment Internet site at http://www.ene.gov.on.ca/envision/org/op.htm#Reg/Dist. A copy of this form may be acquired through the MOE public web site (www.ene.gov.on.ca) or by contacting any MOE office.

2. For notification under s.25(9) or 28(1), the completed notification form should be faxed, as soon as practicable, to the local Ministry of Environment (MOE) District Office which has jurisdiction over the area in which the facility is located.

3. For notification under s. 30, the completed notification form should be immediately faxed to the local Ministry of Environment (MOE) District Office which has jurisdiction over the area which the facility is located. If the exceedance is determined outside of the business hours of the District Office then the completed notification form should be faxed to the Spills Action Center (1-800-268-6061).

4. Information contained in this notification form may not be considered confidential and may be made available to the public upon request. Information may be claimed as confidential but will be subject to the *Freedom of Information and Protection of Privacy Act* (FOIPPA) and the *EBR*. If you do not claim confidentiality at the time of submitting the information, the Ministry of the Environment may make the information available to the public without further notice to you.

### Instructions

This form should be used to notify the MOE of a measured or modeled air related exceedence as required under O. Reg. 419/05. Failure to notify the MOE as required by regulation constitutes an offence under the O. Reg. 419/05 and the EPA.

The generic term "limits" in the context of this form means any numerical Point of Impingement Concentration limit set by the MOE including standards in O. Reg. 419/05 and guidelines provided by the MOE (Ministry POI Limits). For a comprehensive list of MOE POI Limits please refer to the publication titled "Summary of O. Reg. 419/05 Standards, Point of Impingement Guidelines, and Ambient Air Quality Criteria (AAQC's)" available on the Ministry of the Environment Internet site at http://www.ene.gov.on.ca/envision/gp/2424e01.htm. Note that contaminants that have guidelines limits or recommended levels for chemicals with no standard or guideline may be considered "contaminants not listed in any of Schedules 1, 2 and 3 and discharges of the contaminant may cause an adverse effect" as this language appears in O. Reg. 419/05.

This form may be used for notification of exceedences of more than one contaminant; Table 1 (or equvalent) should be completed for each contaminant. If this notification is made pursuant to s. 30 in combination with ss. 25(9) or 28(1) then this form must be submitted immediately in accordance with s.30.

### Regulatory Authority

*28. (1) A person who discharges or causes or permits the discharge of a contaminant shall, as soon as practicable, notify a provincial officer in writing if,*

- *(a) the person uses an approved dispersion model to predict concentrations of the contaminant that result from the discharges and,*
  - *(i) the use of the model indicates that discharges of the contaminant may result in a contravention of section 18, 19 or 20, or*
  - *(ii) the contaminant is not listed in any of Schedules 1, 2 and 3 and the use of the model indicates that discharges of the contaminant may cause an adverse effect;*
- *(b) measurements of air samples indicate that discharges of the contaminant may result in a contravention of section 18, 19 or 20; or*
- *(c) the contaminant is not listed in any of Schedules 1, 2 and 3 and measurements of air samples indicate that discharges of the contaminant may cause an adverse effect.*

*25. (9) A person who is required under subsection (8) to complete the update of a report not later than March 31 in a year shall, as soon as practicable after that date, notify a provincial officer in writing if the person has started to use an approved dispersion model with respect to a contaminant for the purpose of completing the update but has not yet complied with section 12, and,*

- *(a) the use of the model indicates that discharges of the contaminant may result in a contravention of section 18, 19 or 20; or*
- *(b) the contaminant is not listed in any of Schedules 1, 2 and 3 and the use of the model indicates that discharges of the contaminant may cause an adverse effect.*

*30. (1) A person who discharges or causes or permits the discharge of a contaminant listed in Schedule 6 into the air shall comply with subsections (3) and (4) if there is reason to believe, based on any relevant information, that discharges of the contaminant may result in the concentration of the contaminant exceeding the half hour upper risk threshold or other time period upper risk threshold set out for that contaminant in Schedule 6 at a point of impingement.*

*(2) Without limiting the generality of subsection (1), the reference in that subsection to relevant information includes relevant information from predictions of a dispersion model, including,*

- *(a) an approved dispersion model or other dispersion model; or*
- *(b) a dispersion model that is not used in accordance with this Regulation.*

*(3) If subsection (1) applies to a discharge, the person who discharged or caused or permitted the discharge of the contaminant shall immediately notify the Director in writing.*

Ontario
Ministry of the Environment

# Notification of Exceedence – Regulation 419/05

## 1. Ministry of the Environment District Office Information

| Date Form Submitted (Faxed) | Date Exceedednce Determined |
|---|---|
| | April 17, 2020 |
| District Office | Fax Number |
| York-Durham District Office | (905) 427-5602 |

Supporting information attached? ☒ Yes ☐ No

If yes, number of pages: 2

## 2. Site Information

| Name of Person Making the Notification | Business Name |
|---|---|
| Lyndsay Waller | Durham York Energy Centre |

| North American Industry Classification System (NAICS) Code | Business Activity Description *(a description of the business endeavour, this may include products sold, services provided, equipment used, etc.)* |
|---|---|
| 562210 | Waste Treatment and Disposal |

| Site Name | MOE District Office |
|---|---|
| Courtice AQ Station And Rundle AQ Station | York-Durham District Office |

Address Information:

| Site Address - Street information *(address that has civic numbering and street information includes street number, name, type and direction)* | Unit Identifier *(i.e. suite or apartment number)* |
|---|---|
| 1835 Energy Drive | |

Survey Address *(used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory)*

| Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number | | Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan | |
|---|---|---|---|
| Lot | Conc. | Part | Reference Plan |
| | | | |

Non Address Information *(includes any additional information to clarify applicants' physical location)*

| Municipality/Unorganized Township | County/District | Postal Code |
|---|---|---|
| Courtice | York-Durham | L1E2R2 |

Geo Reference

| Map Datum | Zone | Accuracy Estimate | Geo Referencing Method | UTM Easting | UTM Northing |
|---|---|---|---|---|---|
| | | | | | |

Certificate of Approval Number (s) – *attach a separate list if more space is required*

| | | |
|---|---|---|
| 7306-8FDKNX | | |

## 3. Type of Notification: Limit Exceedence – *Table 1 or Table 2 should be completed and submitted with this notification of exceedence.*

☒ This is a notification under Section 28(1) – Notice to Provincial Officer as a result of modelling or measurements relating to an exceedence of: (select all that apply)

☐ Schedule 1 ☐ Schedule 2 ☐ Schedule 3 ☐ POI Guideline ☒ Ambient Air Quality Criteria

☐ Other Limit (explain): _____

☐ This is a notification under Section 25 (9) – Notice to Provincial Officer as a result an update of an Emission Summary and Dispersion Modelling Report (select all that apply)

☐ Schedule 1 ☐ Schedule 2 ☐ Schedule 3 ☐ POI Guideline ☐ Ambient Air Quality Criteria

☐ Other Limit (explain): _____

Date that Refinement is anticipated to be complete (dd/mm/yyyy): _____

☐ This is a notification under Section 30 (3) – Notice to the Director as a result of an exceedence of Upper Risk Thresholds (Schedule 6)

☐ Yes ☐ No

## 4. Follow-Up Action

Section 28 Notifications

Will an Abatement Plan be submitted to the Ministry within 30 days of this notice as per s.29?

☐ Yes

☐ No If No, please provide the following:

| Type of Previously Approved Abatement Plan | Date Approved under s.29 of O. Reg. 419/05 (dd/mm/yyyy) |
|---|---|
| | |

Section 30 (3) Notifications for URT exceedence

Has an Emission Summary and Dispersion Modelling (ESDM) Report been prepared in accordance with s.30(4) and submitted to the Ministry?

☐ Yes

☐ No If No, what is the anticipated submission date for the ESDM* (dd/mm/yyyy)? _____

** Note: The ESDM must be submitted within three months of the discharge*

**5. Model Based Assessment –** *please complete this section if notifying of a modelled exceedence (complete Table 1)*

Was an ESDM Report prepared in accordance with s.26 O. Reg. 419/05?

☐ Yes ☐ No

If yes, was the ESDM Report prepared to fulfill *(select all that apply):*

- ☐ s.22 of O. Reg. 419/05 - Application for Certificate of Approval under section 9 of the *Environmental Protection Act*
- ☐ s.23 of O. Reg. 419/05 - Requirement for Schedule 4 or 5 sector facilities
- ☐ s.24 of O. Reg. 419/05 - Notice issued by Director
- ☐ s.25 of O. Reg. 419/05 - Requirement for updating ESDM Report
- ☐ s.30(4) of O. Reg 419/05 – Required as result of URT exceedence
- ☐ s.32(13) of O. Reg. 419/05 – Required as part of a Request for Alternative Standard
- ☐ Other (please specify): _____

Was the approved dispersion model refined as required by s.12 O. Reg. 419/05 (i.e. operating conditions, emission rates)?

☐ Yes ☐ No

Have you modelled for additional receptor locations other than the maximum POI? *(please include figure showing maximum POI location)*

☐ Yes ☐ No

If Yes, specify additional locations (i.e., land use) at which the exceedence may occur (*select all that apply – please include figure showing additional modelled locations*):

☐ Health Care ☐ Seniors Residence / Long Term Care Facility ☐ Child Care Facility ☐ Educational Facility ☐ Dwelling ☐ Unknown

☐ Location Specified by The Director (explain): _____ ☐ Other Location (explain): _____

**6. Measurement Based Assessment –** *please complete this section if notifying of a measured exceedence (Complete Table 2 or equivalent)*

| Type of Monitor / Measurement Type | Date of Exceedence (dd/mm/yyyy) | Duration of Exceedence |
|---|---|---|
| PS-1 Air Sampler | 28/03/2020 | 1 Events (24 hours) |

Is the monitoring approved by the Ministry of the Environment?

☒ Yes If yes, please describe the approval: 7306-8FDKNX

☐ No

Monitoring Reference Number: (if available)

Specify the location (i.e., land use) at which the exceedence did occur *(select all that apply)*:

☐ Health Care ☐ Seniors Residence / Long Term Care Facility ☐ Child Care Facility ☐ Educational Facility ☐ Dwelling ☐ Unknown

☐ Location Specified by The Director (explain): _____ ☒ Other Location (explain): Rundle AQ Station

**7. Statement of Company Official**

**I, the undersigned hereby declare that, to the best of my knowledge:**

- The information contained herein and the information submitted is complete and accurate in every way and I am aware of the penalties against providing false information as per s.184(2) of the *Environmental Protection Act*.
- I have been authorized to act on behalf of the company identified in this form for the purpose of providing this notification of exceedence under O.Reg 419/05 to the Ministry of the Environment
- I have used the most recent notification form (as obtained from the Ministry of the Environment Internet site at http://www.ene.gov.on.ca/envision/gp/index.htm#PartAir or from my local Ministry District Office and I have included all necessary information required by O. Reg. 419/05 and identified on this form.

| Name of Signing Authority *(please print)* | Title |
|---|---|
| Lyndsay Waller | Operations Technician |

| Civic Address *(address that has civic numbering and street information includes street number, name, type and direction)* | Unit Identifier *(i.e. suite or apartment number)* |
|---|---|
| 1835 Energy Dr | |

Delivery Designator:
If signing authority mailing address is a Rural Route, Suburban Service, Mobile Route or General Delivery *(i.e., RR#3)* _____

| Municipality | Postal Station | Province/State | Country | Postal Code |
|---|---|---|---|---|
| Courtice | | Ontario | Canada | L1E 2R2 |

| Telephone Number *(including area code & extension)* | Fax Number *(including area code)* | E-mail Address |
|---|---|---|
| 905-404-0888 x 4107 | | lyndsay.waller@durham.ca |

| Signature | Date *(dd/mm/yyyy)* |
|---|---|
| | |

# Table 1 - Information About Modelled Air Limit Exceedence – Contaminant Information

| Location of Maximum POI Concentration (e.g. UTM, street address, etc.) | Land Use at Maximum Point of Impingement (if known) |
|---|---|
| | |

| | Contaminant [a] | CAS [b] Number | Type of Assessment (Air Dispersion Model Used) | Maximum POI [c] Concentration (µg/m³) | Averaging Period (hours) | Current MOE AAQC or POI Limit (µg/m³) | Limiting Effect | Schedule (1, 2 or 3) | Percentage of MOE AAQC or POI Limit |
|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | |
| 2 | | | | | | | | | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |
| 7 | | | | | | | | | |
| 8 | | | | | | | | | |
| 9 | | | | | | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | | | | | | | | | |
| 13 | | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | | | | | | | | | |
| 16 | | | | | | | | | |
| 17 | | | | | | | | | |
| 18 | | | | | | | | | |
| 19 | | | | | | | | | |
| 20 | | | | | | | | | |
| 21 | | | | | | | | | |
| 22 | | | | | | | | | |

Notes:

(a) Proper Chemical Name should be given (Abbreviations, acronyms, numeric codes, trade names and mixtures NOT ACCEPTABLE).

(b) CAS Number : Chemical Abstracts Services Number (UNIQUE Identifier for a chemical)

(c) POI Concentration : Point of Impingement Concentration

# Table 2 - Information About Measured Air Limit Exceedence – Contaminant Information

| Location of Monitor (Describe) | Date (dd/mm/yyyy) | Time | Sampling Period | Land Use at Monitor |
|---|---|---|---|---|
| Rundle Station | 28/03/2020 | N/A | 24-Hours | |

| | | | Type of Assessment (Measurement Method) | Maximum POI Concentration (µg/m³) | Averaging Period (hours) | Current MOE AAQC POI Limi (µg/m³) | Limiting Effect | Schedule (1, 2 or 3) | Percentage of MOE AAQC POI Limit |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Benzo(a)Pyrene | 50-32-8 | PUF | 0.000058 | 24 | 0.00005 | Health | AAQS | 116% |
| | | | | | | | | | |
| 3 | | | | | | | | | |
| | | | | | | | | | |
| 5 | | | | | | | | | |
| | | | | | | | | | |
| 7 | | | | | | | | | |
| | | | | | | | | | |
| 9 | | | | | | | | | |
| | | | | | | | | | |
| 11 | | | | | | | | | |
| | | | | | | | | | |
| 13 | | | | | | | | | |
| | | | | | | | | | |
| 15 | | | | | | | | | |
| | | | | | | | | | |
| 17 | | | | | | | | | |
| | | | | | | | | | |
| 19 | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

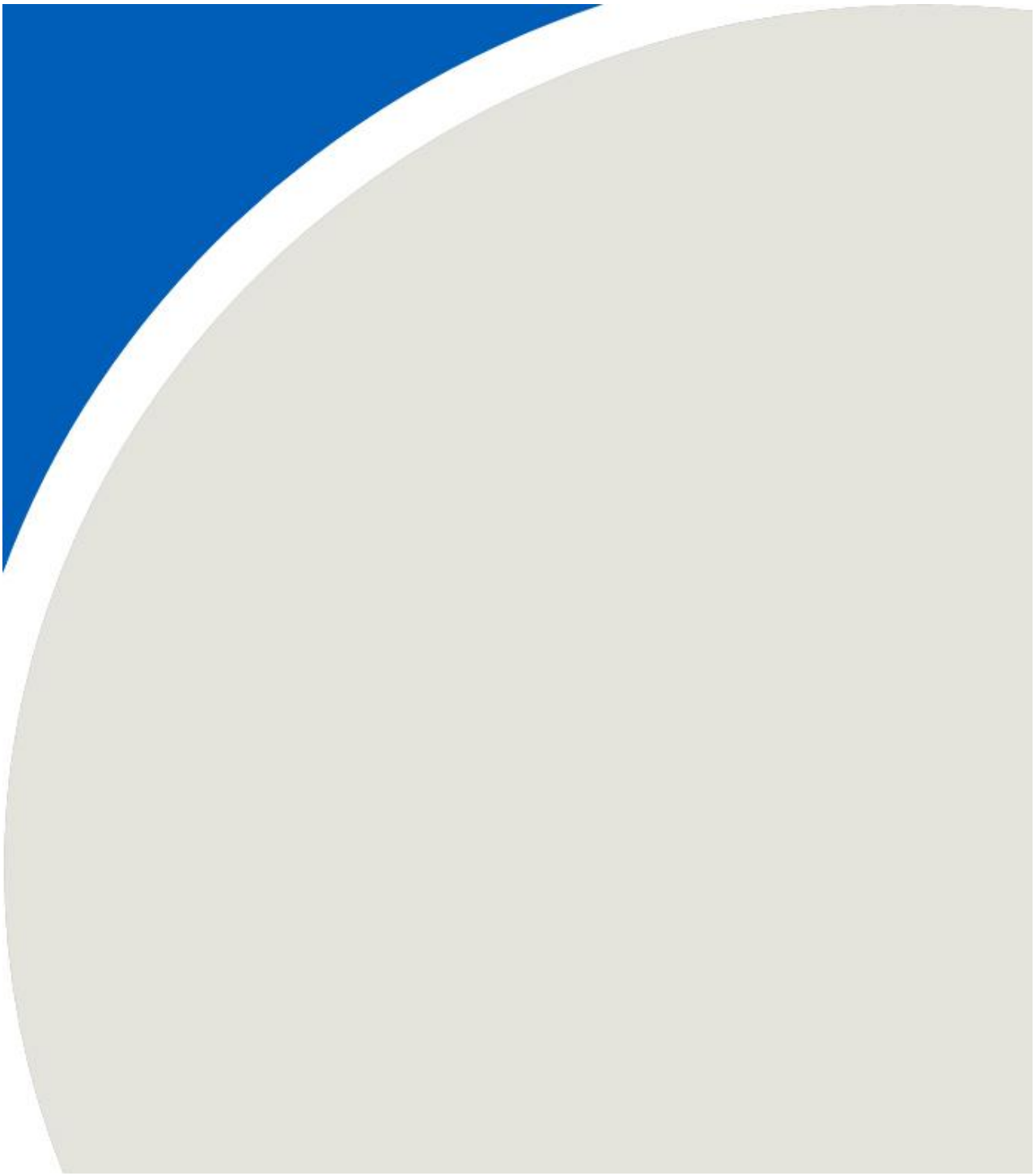
**** For additional measurement locations / sampling times, please included additional tables***
***** If you are reporting more than one exceedence, include the time of the exceedence in the contaminant column***

Notes:
(a) Proper Chemical Name should be given (Abbreviations, acronyms, numeric codes, trade names and mixtures NOT ACCEPTABLE).

(b) CAS Number : Chemical Abstracts Services Number (UNIQUE Identifier for a chemical)

(c) POI Concentration : Point of Impingement Concentration

# MEMO



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E-mail: solutions@rwdi.com

# MEMORANDUM

| | | |
|---|---|---|
| **DATE:** | 2020-04-20 | **RWDI Reference No.:** 1803743 |
| **TO:** | Lyndsay Waller | **EMAIL:** Lyndsay.Waller@Durham.ca |
| **CC:** | Andrew Evans | **EMAIL:** Andrew.Evans@Durham.ca |
| **CC:** | Gioseph Anello | **EMAIL:** Gioseph.Anello@Durham.ca |
| **FROM:** | John DeYoe | **EMAIL:**jd@rwdi.com |
| **RE:** | **Exceedance Report – Benzo(a)Pyrene March 28, 2020**<br>**Region of Durham, DYEC** | |

On April 17, 2020 the results from ALS Environmental were received regarding the PAH results from the March 28, 2020 sampling event. On April 20, 2020, the results were entered and assessed, and it was found that there was a measured Benzo(a)Pyrene concentration in excess of the 24-hour AAQC on the March 28 sampling date. Attached is the Exceedance Form PIBS 5354e for your reference. Below is a summary of the event.

March 28, 2020

On Saturday, March 28, 2020, there was one exceedance of the Benzo(a)Pyrene 24-hour AAQC, which occurred at the Rundle Road Station measured at the onsite PUF PS-1 sampler. Attached is a figure depicting the wind rose (indicating the wind speed and direction during the sampling day), and the location of the sampling station relative to the DYEC.

The following summarizes the BaP concentration and onsite conditions during the March 28th sampling date:

1. The guideline concentration for BaP is 0.00005 ug/$m^3$. The measured concentration at the Rundle Road Station sampler was 0.000058 ug/$m^3$. During the sampling day the wind was recorded predominantly from the ENE to ESE as recorded at the Rundle Meteorological Tower. Wind speeds ranged from 6.3 kph to 26.5 kph.

2. According to the Rundle meteorological data, the Rundle Road Station was neither upwind or downwind of the DYEC during the sampling period. Since the winds were coming from the East, it is likely that the measured BaP exceedances may be attributed to sources other that the Energy Centre operations.

At the Rundle Station, the $NO_2$ and $SO_2$ values were less than 5% of the criteria for the same period. The $PM_{2.5}$ 24-hour average value was 3.54 micrograms per cubic meter.

The Rundle Road March 28th BaP exceedance was likely the result of localized temporary source or unidentified error related to handling or analysis.

We have also attached the raw data files for the sample in question to aid with the review.

Respectfully submitted by:

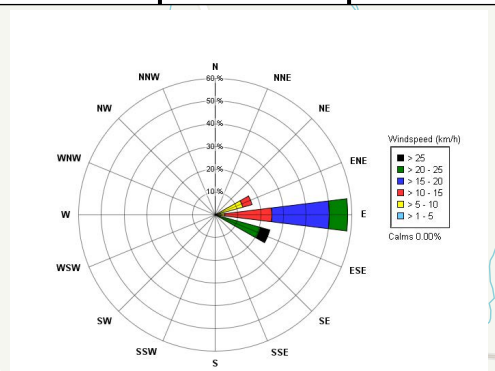
RWDI AIR Inc.

John DeYoe, B.A.
Senior Consultant / Principal

JD

Attach.

# FIGURE




Rundle Station Windrose Mar.28/20



# DYEC Site and Ambient Monitoring Station Locations

True North

Map Projection: NAD 1983 UTM Zone 17N

DYEC - Region of Durham, Ontario

Project #: 1803743

| | |
|---|---|
| Drawn by: DJH | Figure: 1 |
| Approx. Scale: | 1:20,000 |
| Date Revised: | Apr 17, 2020 |

Map Document: C:\GIS Temp - Copy\1803743\1803743_Durham_Energy_Centre.aprx

# SUPPORTING DATA

1435 Norjohn Court, Unit 1, Burlington ON, L7L 0E6
Phone: 905-331-3111, FAX: 905-331-4567

# Certificate of Analysis

| | | | |
|---|---|---|---|
| **ALS Project Contact:** | Claire Kocharakkal | **Client Name:** | RWDI Air Inc. |
| **ALS Project ID:** | 23601 | **Client Address:** | 600 Southgate Drive |
| **ALS WO#:** | L2433655 | | Guelph, ON N1G 4P6 |
| **Date of Report** | 17-Apr-20 | | Canada |
| **Date of Sample Receipt** | 2-Apr-20 | **Client Contact:** | John DeYoe |
| | | **Client Project ID:** | DYEC |

**COMMENTS:** **PAH by CARB method 429 (LR option)- Isotope dilution**

The recoveries of a few of the labelled standards were below the method control limit. Native target data are not expected to be biased as a result. Field standard recoveries are within limits.

Certified by:

Steve Kennedy
Technical Supervisor

# ALS Life Sciences

## Sample Analysis Summary Report

| Sample Name | Method Blank | | Method Blank | | RUNDLE-DX/PAH-MAR28 | | COURTICE-DX/PAH-MAR28 | | Laboratory Control Sample | |
|---|---|---|---|---|---|---|---|---|---|---|
| ALS Sample ID | WG3302880-1 | | WG3302880-4 | | L2433655-1 | | L2433655-2 | | WG3302880-2 | |
| Sample Size | 1 | | 1 | | 1 | | 1 | | 1 | |
| Sample units | sample | | sample | | sample | | sample | | n/a | |
| Moisture Content | n/a | | n/a | | n/a | | n/a | | n/a | |
| Matrix | QC | | QC | | Puf | | Puf | | QC | |
| Sampling Date | n/a | | n/a | | 28-Mar-20 | | 28-Mar-20 | | n/a | |
| Extraction Date | 3-Apr-20 | | 3-Apr-20 | | 3-Apr-20 | | 3-Apr-20 | | 3-Apr-20 | |
| **Target Analytes** | **ng/sample** | | **ng/sample** | | **ng/sample** | | **ng/sample** | | **%** | |
| Naphthalene | 126 | R | 26.0 | R | 10800 | | 12100 | | 93.1 | |
| 2-Methylnaphthalene | 8.42 | | 3.18 | M | 2450 | | 3730 | | 92.5 | |
| 1-Methylnaphthalene | 6.38 | | 2.26 | | 1700 | | 2410 | | 101.3 | |
| Acenaphthylene | <0.40 | U | <0.40 | U | 30.8 | R | 52.6 | R | 86.5 | |
| Acenaphthene | <0.40 | U | <0.40 | U | 786 | | 1340 | | 70.5 | |
| Fluorene | 4.36 | R | 1.20 | R | 806 | | 1210 | | 76.2 | |
| Phenanthrene | 8.14 | | 2.90 | | 1360 | | 2260 | | 93.5 | |
| Anthracene | 1.18 | | <0.40 | U | 21.6 | M | 36.3 | M | 87.0 | |
| Fluoranthene | 3.40 | R | 1.20 | | 296 | | 448 | | 88.0 | |
| Pyrene | 3.50 | | 1.14 | | 148 | | 192 | | 89.7 | |
| Benzo(a)Anthracene | <0.40 | U | <0.40 | U | 8.52 | R | 9.38 | R | 99.4 | |
| Chrysene | <0.40 | U | <0.40 | U | 56.1 | | 59.3 | | 90.2 | |
| Benzo(b)Fluoranthene | <0.40 | U | <0.40 | U | 44.1 | | 45.8 | | 107.1 | |
| Benzo(k)Fluoranthene | <0.40 | U | <0.40 | U | 24.8 | M | 27.7 | M | 103.9 | |
| Benzo(e)Pyrene | <0.40 | U | <0.40 | U | 18.4 | M | 24.5 | | 94.0 | |
| Benzo(a)Pyrene | <0.40 | U | <0.40 | U | 18.5 | | 12.5 | M | 88.6 | M |
| Perylene | <0.40 | U | <0.40 | U | <0.40 | U | <0.40 | U | 113.9 | |
| Indeno(1,2,3-cd)Pyrene | <0.40 | U | <0.40 | U | 22.2 | | 25.5 | | 86.5 | |
| Dibenzo(a,h)Anthracene | <0.40 | U | <0.40 | U | 2.80 | R | 3.16 | | 86.6 | |
| Benzo(g,h,i)Perylene | <0.40 | U | <0.40 | U | 22.0 | | 25.5 | | 89.7 | |
| **Additional Analytes** | | | | | | | | | | |
| Tetralin | 56.8 | | 1.34 | R | 811 | | 913 | | | |
| Biphenyl | 3.20 | | 1.22 | | 1250 | | 1430 | | | |
| o-Terphenyl | <0.40 | U | <0.40 | U | 7.04 | | 6.42 | | | |
| Benzo(a)fluorene | <0.40 | U | <0.40 | U | 21.5 | M | 23.6 | M | | |
| Benzo(b)fluorene | <0.40 | U | <0.40 | U | 9.50 | | 11.1 | | | |
| **Field Sampling Standards** | **% Rec** | | **% Rec** | | **% Rec** | | **% Rec** | | **% Rec** | |
| 1-Methylnaphthalene-D10 | NS | | NS | | 86.6 | | 103.5 | | NS | |
| Fluorene D10 | NS | | NS | | 83.7 | | 98.4 | | NS | |
| Terphenyl D14(Surr.) | NS | | NS | | 128.9 | M | 132.5 | M | NS | |
| **Extraction Standards** | **% Rec** | | **% Rec** | | **% Rec** | | **% Rec** | | **% Rec** | |
| Naphthalene D8 | 31.1 | | 54.9 | | 30.4 | R | 33.1 | R | 38.1 | |
| 2-Methylnaphthalene-D10 | 39.3 | | 66.5 | | 40.6 | | 43.8 | | 50.0 | |
| Acenaphthylene D8 | 62.3 | | 105.3 | | 60.4 | | 58.0 | | 83.1 | |
| Phenanthrene D10 | 54.4 | | 103.0 | | 47.1 | | 49.5 | | 67.0 | |
| Anthracene-D10 | 55.0 | | 113.8 | | 50.5 | | 54.2 | | 76.6 | |
| Fluoranthene D10 | 65.9 | | 133.6 | | 65.8 | | 68.3 | | 83.4 | |
| Benz(a)Anthracene-D12 | 58.6 | | 116.7 | | 47.7 | | 53.2 | | 76.7 | |
| Chrysene D12 | 59.2 | | 125.3 | | 51.8 | | 55.5 | | 88.7 | |
| Benzo(b)Fluoranthene-D12 | 69.4 | | 129.4 | | 43.1 | | 47.7 | | 72.2 | |
| Benzo(k)Fluoranthene-D12 | 52.3 | | 106.2 | R | 41.1 | R | 45.1 | | 68.8 | |
| Benzo(a)Pyrene D12 | 56.1 | M | 96.1 | M | 38.4 | M | 45.7 | M | 71.5 | M |
| Perylene D12 | 55.0 | | 101.8 | | 42.0 | | 39.2 | | 69.1 | |
| Indeno(1,2,3,cd)Pyrene-D12 | 63.7 | | 110.9 | | 39.4 | | 38.0 | | 70.6 | |
| Dibenz(a,h)Anthracene-D14 | 58.2 | | 106.4 | | 37.4 | | 35.1 | | 68.7 | |
| Benzo(g,h,i)Perylene D12 | 57.1 | | 105.8 | | 38.2 | | 37.2 | | 67.0 | |

| | |
|---|---|
| U | Indicates that this compound was not detected above the LOD. |
| M | Indicates that a peak has been manually integrated. |
| NS | Indicates that this compound was not spiked in |
| R | Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion. |

# ALS Life Sciences

## Laboratory Method Blank Analysis Report

| | | | |
|---|---|---|---|
| **Sample Name** | **Method Blank** | Sampling Date | n/a |
| ALS Sample ID | WG3302880-1 | Extraction Date | 3-Apr-20 |
| Analysis Method | PAH by CARB 429 | | |
| Analysis Type | blank | | |
| Sample Matrix | MEDIA | | |
| Sample Size | 1 sample | | |
| Percent Moisture | n/a | | |
| Split Ratio | 2 | Workgroup | WG3302880 |

Approved:
*Andrew Reid*
--e-signature--
09-Apr-2020

| **Run Information** | **Run 1** |
|---|---|
| Filename | 20040807.D |
| Run Date | 4/8/2020 7:44 |
| Final Volume | 0.1 mL |
| Dilution Factor | 1 |
| Analysis Units | ng/sample |
| Instrument | MSD-5 |
| Column | HP5MS UST530312H |

| **Target Analytes** | **Ret. Time** | **Concentration ng/sample** | **Flags** |
|---|---|---|---|
| Naphthalene | 2.79 | 126 | R |
| 2-Methylnaphthalene | 3.39 | 8.42 | |
| 1-Methylnaphthalene | 3.50 | 6.38 | |
| Acenaphthylene | NotFnd | <0.40 | U |
| Acenaphthene | NotFnd | <0.40 | U |
| Fluorene | 5.71 | 4.36 | R |
| Phenanthrene | 7.86 | 8.14 | |
| Anthracene | 7.98 | 1.18 | |
| Fluoranthene | 11.23 | 3.40 | R |
| Pyrene | 11.86 | 3.50 | |
| Benzo(a)Anthracene | NotFnd | <0.40 | U |
| Chrysene | NotFnd | <0.40 | U |
| Benzo(b)Fluoranthene | NotFnd | <0.40 | U |
| Benzo(k)Fluoranthene | NotFnd | <0.40 | U |
| Benzo(e)Pyrene | NotFnd | <0.40 | U |
| Benzo(a)Pyrene | NotFnd | <0.40 | U |
| Perylene | NotFnd | <0.40 | U |
| Indeno(1,2,3-cd)Pyrene | NotFnd | <0.40 | U |
| Dibenzo(a,h)Anthracene | NotFnd | <0.40 | U |
| Benzo(g,h,i)Perylene | NotFnd | <0.40 | U |
| **Additional Analytes** | | | |
| Tetralin | 2.67 | 56.8 | |
| Biphenyl | 3.92 | 3.20 | |
| o-Terphenyl | NotFnd | <0.40 | U |
| Benzo(a)fluorene | NotFnd | <0.40 | U |
| Benzo(b)fluorene | NotFnd | <0.40 | U |

| **Extraction Standards** | | | **% Rec** | | **Limits** |
|---|---|---|---|---|---|
| Naphthalene D8 | 200 | 2.78 | 31.1 | | 50-150 |
| 2-Methylnaphthalene-D10 | 200 | 3.36 | 39.3 | | 50-150 |
| Acenaphthylene D8 | 200 | 4.49 | 62.3 | | 50-150 |
| Phenanthrene D10 | 200 | 7.81 | 54.4 | | 50-150 |
| Anthracene-D10 | 200 | 7.93 | 55.0 | | 50-150 |
| Fluoranthene D10 | 200 | 11.18 | 65.9 | | 50-150 |
| Benz(a)Anthracene-D12 | 200 | 15.67 | 58.6 | | 50-150 |
| Chrysene D12 | 200 | 15.79 | 59.2 | | 50-150 |
| Benzo(b)Fluoranthene-D12 | 200 | 19.00 | 69.4 | | 50-150 |
| Benzo(k)Fluoranthene-D12 | 200 | 19.08 | 52.3 | | 50-150 |
| Benzo(a)Pyrene D12 | 200 | 19.88 | 56.1 | M | 50-150 |
| Perylene D12 | 200 | 20.10 | 55.0 | | 50-150 |
| Indeno(1,2,3,cd)Pyrene-D12 | 200 | 23.29 | 63.7 | | 50-150 |
| Dibenz(a,h)Anthracene-D14 | 200 | 23.44 | 58.2 | | 50-150 |
| Benzo(g,h,i)Perylene D12 | 200 | 24.18 | 57.1 | | 50-150 |

| | |
|---|---|
| M | Indicates that a peak has been manually integrated. |
| U | Indicates that this compound was not detected above the MDL. |
| R | Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion. |

# ALS Life Sciences

## Sample Analysis Report

| | | | | | |
|---|---|---|---|---|---|
| **Sample Name** | **Method Blank** | | Sampling Date | n/a | |
| ALS Sample ID | WG3302880-4 | | Extraction Date | 3-Apr-20 | |
| Analysis Method | PAH by CARB 429 | | | | |
| Analysis Type | sample | | | | |
| Sample Matrix | REAGENT | | | | Approved: |
| Sample Size | 1 | sample | | | *Andrew Reid* |
| Percent Moisture | n/a | | | | --e-signature-- |
| Split Ratio | 2 | | Workgroup | WG3302880 | 09-Apr-2020 |

| **Run Information** | **Run 1** |
|---|---|
| Filename | 20040808.D |
| Run Date | 4/8/2020 8:20 |
| Final Volume | 0.1 mL |
| Dilution Factor | 1 |
| Analysis Units | ng/sample |
| Instrument | MSD-5 |
| Column | HP5MS UST530312H |

| **Target Analytes** | **Ret. Time** | **Concentration ng/sample** | **Flags** |
|---|---|---|---|
| Naphthalene | 2.78 | 26.0 | R |
| 2-Methylnaphthalene | 3.38 | 3.18 | M |
| 1-Methylnaphthalene | 3.49 | 2.26 | |
| Acenaphthylene | NotFnd | <0.40 | U |
| Acenaphthene | NotFnd | <0.40 | U |
| Fluorene | 5.71 | 1.20 | R |
| Phenanthrene | 7.86 | 2.90 | |
| Anthracene | 7.98 | <0.40 | U |
| Fluoranthene | 11.22 | 1.20 | |
| Pyrene | 11.86 | 1.14 | |
| Benzo(a)Anthracene | NotFnd | <0.40 | U |
| Chrysene | NotFnd | <0.40 | U |
| Benzo(b)Fluoranthene | NotFnd | <0.40 | U |
| Benzo(k)Fluoranthene | NotFnd | <0.40 | U |
| Benzo(e)Pyrene | NotFnd | <0.40 | U |
| Benzo(a)Pyrene | NotFnd | <0.40 | U |
| Perylene | NotFnd | <0.40 | U |
| Indeno(1,2,3-cd)Pyrene | NotFnd | <0.40 | U |
| Dibenzo(a,h)Anthracene | NotFnd | <0.40 | U |
| Benzo(g,h,i)Perylene | NotFnd | <0.40 | U |
| **Additional Analytes** | | | |
| Tetralin | 2.66 | 1.34 | R |
| Biphenyl | 3.92 | 1.22 | |
| o-Terphenyl | NotFnd | <0.40 | U |
| Benzo(a)fluorene | NotFnd | <0.40 | U |
| Benzo(b)fluorene | NotFnd | <0.40 | U |

| **Extraction Standards** | | | **% Rec** | | **Limits** |
|---|---|---|---|---|---|
| Naphthalene D8 | 200 | 2.76 | 54.9 | | 50-150 |
| 2-Methylnaphthalene-D10 | 200 | 3.35 | 66.5 | | 50-150 |
| Acenaphthylene D8 | 200 | 4.49 | 105.3 | | 50-150 |
| Phenanthrene D10 | 200 | 7.81 | 103.0 | | 50-150 |
| Anthracene-D10 | 200 | 7.93 | 113.8 | | 50-150 |
| Fluoranthene D10 | 200 | 11.18 | 133.6 | | 50-150 |
| Benz(a)Anthracene-D12 | 200 | 15.68 | 116.7 | | 50-150 |
| Chrysene D12 | 200 | 15.79 | 125.3 | | 50-150 |
| Benzo(b)Fluoranthene-D12 | 200 | 19.00 | 129.4 | | 50-150 |
| Benzo(k)Fluoranthene-D12 | 200 | 19.08 | 106.2 | R | 50-150 |
| Benzo(a)Pyrene D12 | 200 | 19.87 | 96.1 | M | 50-150 |
| Perylene D12 | 200 | 20.10 | 101.8 | | 50-150 |
| Indeno(1,2,3,cd)Pyrene-D12 | 200 | 23.29 | 110.9 | | 50-150 |
| Dibenz(a,h)Anthracene-D14 | 200 | 23.44 | 106.4 | | 50-150 |
| Benzo(g,h,i)Perylene D12 | 200 | 24.18 | 105.8 | | 50-150 |

| | |
|---|---|
| M | Indicates that a peak has been manually integrated. |
| U | Indicates that this compound was not detected above the MDL. |
| R | Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion. |

# ALS Life Sciences

## Sample Analysis Report

| | | | |
|---|---|---|---|
| **Sample Name** | **RUNDLE-DX/PAH-MAR28** | Sampling Date | 28-Mar-20 00:00 |
| ALS Sample ID | L2433655-1 | Extraction Date | 3-Apr-20 |
| Analysis Method | PAH by CARB 429 | | |
| Analysis Type | sample | | |
| Sample Matrix | Puf | | |
| Sample Size | 1 sample | | |
| Percent Moisture | n/a | | |
| Split Ratio | 2 | Workgroup | WG3302880 |

Approved:
*Andrew Reid*
--e-signature--
09-Apr-2020

| **Run Information** | **Run 1** | **Run 2** |
|---|---|---|
| Filename | 20040811.D | 20040809.D |
| Run Date | 4/8/2020 10:07 | 4/8/2020 8:56 |
| Final Volume | 0.1 mL | 0.1 mL |
| Dilution Factor | 1 | 10 |
| Analysis Units | ng/sample | ng/sample |
| Instrument | MSD-5 | MSD-5 |
| Column | HP5MS UST530312H | HP5MS UST530312H |

| **Target Analytes** | **Ret. Time** | **Concentration ng/sample** | **Flags** | **Ret. Time.** | **Concentration ng/sample** | **Flags** |
|---|---|---|---|---|---|---|
| Naphthalene | | | | 2.79 | 10800 | |
| 2-Methylnaphthalene | | | | 3.39 | 2450 | |
| 1-Methylnaphthalene | | | | 3.50 | 1700 | |
| Acenaphthylene | 4.51 | 30.8 | R | | | |
| Acenaphthene | | | | 4.80 | 786 | |
| Fluorene | | | | 5.71 | 806 | |
| Phenanthrene | | | | 7.86 | 1360 | |
| Anthracene | 7.98 | 21.6 | M | | | |
| Fluoranthene | 11.22 | 296 | | | | |
| Pyrene | 11.86 | 148 | | | | |
| Benzo(a)Anthracene | 15.74 | 8.52 | R | | | |
| Chrysene | 15.87 | 56.1 | | | | |
| Benzo(b)Fluoranthene | 19.07 | 44.1 | | | | |
| Benzo(k)Fluoranthene | 19.11 | 24.8 | M | | | |
| Benzo(e)Pyrene | 19.81 | 18.4 | M | | | |
| Benzo(a)Pyrene | 19.94 | 18.5 | | | | |
| Perylene | NotFnd | <0.40 | U | | | |
| Indeno(1,2,3-cd)Pyrene | 23.37 | 22.2 | | | | |
| Dibenzo(a,h)Anthracene | 23.56 | 2.80 | R | | | |
| Benzo(g,h,i)Perylene | 24.28 | 22.0 | | | | |
| **Additional Analytes** | | | | | | |
| Tetralin | | | | 2.67 | 811 | |
| Biphenyl | | | | 3.92 | 1250 | |
| o-Terphenyl | 9.14 | 7.04 | | | | |
| Benzo(a)fluorene | 13.02 | 21.5 | M | | | |
| Benzo(b)fluorene | 13.25 | 9.50 | | | | |

| **Field Sampling Standards** | **ng spiked** | | **% Rec** | | **% Rec** | |
|---|---|---|---|---|---|---|
| 1-Methylnaphthalene-D10 | 400 | 3.46 | 86.6 | | | |
| Fluorene D10 | 400 | 5.65 | 83.7 | | | |
| Terphenyl D14(Surr.) | 400 | 12.68 | 128.9 | M | | |

| **Extraction Standards** | | | **% Rec** | | **Limits** | | **% Rec** | |
|---|---|---|---|---|---|---|---|---|
| Naphthalene D8 | 200 | | | | 50-150 | 2.78 | 30.4 | R |
| 2-Methylnaphthalene-D10 | 200 | | | | 50-150 | 3.36 | 40.6 | |
| Acenaphthylene D8 | 200 | 4.49 | 60.4 | | 50-150 | | | |
| Phenanthrene D10 | 200 | 7.81 | 47.1 | | 50-150 | | | |
| Anthracene-D10 | 200 | 7.93 | 50.5 | | 50-150 | | | |
| Fluoranthene D10 | 200 | 11.18 | 65.8 | | 50-150 | | | |
| Benz(a)Anthracene-D12 | 200 | 15.68 | 47.7 | | 50-150 | | | |
| Chrysene D12 | 200 | 15.79 | 51.8 | | 50-150 | | | |
| Benzo(b)Fluoranthene-D12 | 200 | 19.00 | 43.1 | | 50-150 | | | |
| Benzo(k)Fluoranthene-D12 | 200 | 19.09 | 41.1 | R | 50-150 | | | |
| Benzo(a)Pyrene D12 | 200 | 19.87 | 38.4 | M | 50-150 | | | |
| Perylene D12 | 200 | 20.11 | 42.0 | | 50-150 | | | |
| Indeno(1,2,3,cd)Pyrene-D12 | 200 | 23.30 | 39.4 | | 50-150 | | | |
| Dibenz(a,h)Anthracene-D14 | 200 | 23.44 | 37.4 | | 50-150 | | | |
| Benzo(g,h,i)Perylene D12 | 200 | 24.18 | 38.2 | | 50-150 | | | |

| | |
|---|---|
| M | Indicates that a peak has been manually integrated. |
| U | Indicates that this compound was not detected above the MDL. |
| R | Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion. |

# ALS Life Sciences

## Sample Analysis Report

| | | | |
|---|---|---|---|
| **Sample Name** | **COURTICE-DX/PAH-MAR28** | Sampling Date | 28-Mar-20 00:00 |
| ALS Sample ID | L2433655-2 | Extraction Date | 3-Apr-20 |
| Analysis Method | PAH by CARB 429 | | |
| Analysis Type | sample | | |
| Sample Matrix | Puf | | |
| Sample Size | 1 sample | | |
| Percent Moisture | n/a | | |
| Split Ratio | 2 | Workgroup | WG3302880 |

Approved:
*Andrew Reid*
--e-signature--
09-Apr-2020

| **Run Information** | **Run 1** | **Run 2** |
|---|---|---|
| Filename | 20040812.D | 20040810.D |
| Run Date | 4/8/2020 10:43 | 4/8/2020 9:31 |
| Final Volume | 0.1 mL | 0.1 mL |
| Dilution Factor | 1 | 10 |
| Analysis Units | ng/sample | ng/sample |
| Instrument | MSD-5 | MSD-5 |
| Column | HP5MS UST530312H | HP5MS UST530312H |

| **Target Analytes** | **Ret. Time** | **Concentration ng/sample** | **Flags** | **Ret. Time.** | **Concentration ng/sample** | **Flags** |
|---|---|---|---|---|---|---|
| Naphthalene | | | | 2.79 | 12100 | |
| 2-Methylnaphthalene | | | | 3.39 | 3730 | |
| 1-Methylnaphthalene | | | | 3.50 | 2410 | |
| Acenaphthylene | 4.51 | 52.6 | R | | | |
| Acenaphthene | | | | 4.80 | 1340 | |
| Fluorene | | | | 5.71 | 1210 | |
| Phenanthrene | | | | 7.86 | 2260 | |
| Anthracene | 7.98 | 36.3 | M | | | |
| Fluoranthene | | | | 11.22 | 448 | |
| Pyrene | 11.86 | 192 | | | | |
| Benzo(a)Anthracene | 15.74 | 9.38 | R | | | |
| Chrysene | 15.86 | 59.3 | | | | |
| Benzo(b)Fluoranthene | 19.07 | 45.8 | | | | |
| Benzo(k)Fluoranthene | 19.11 | 27.7 | M | | | |
| Benzo(e)Pyrene | 19.81 | 24.5 | | | | |
| Benzo(a)Pyrene | 19.94 | 12.5 | M | | | |
| Perylene | NotFnd | <0.40 | U | | | |
| Indeno(1,2,3-cd)Pyrene | 23.38 | 25.5 | | | | |
| Dibenzo(a,h)Anthracene | 23.56 | 3.16 | | | | |
| Benzo(g,h,i)Perylene | 24.28 | 25.5 | | | | |
| **Additional Analytes** | | | | | | |
| Tetralin | | | | 2.67 | 913 | |
| Biphenyl | | | | 3.92 | 1430 | |
| o-Terphenyl | 9.14 | 6.42 | | | | |
| Benzo(a)fluorene | 13.02 | 23.6 | M | | | |
| Benzo(b)fluorene | 13.25 | 11.1 | | | | |

| **Field Sampling Standards** | **ng spiked** | | **% Rec** |
|---|---|---|---|
| 1-Methylnaphthalene-D10 | 400 | 3.45 | 103.5 |
| Fluorene D10 | 400 | 5.65 | 98.4 |
| Terphenyl D14(Surr.) | 400 | 12.68 | 132.5 M |

| **Extraction Standards** | | | **% Rec** | **Limits** | | **% Rec** | |
|---|---|---|---|---|---|---|---|
| Naphthalene D8 | 200 | | | 50-150 | 2.78 | 33.1 | R |
| 2-Methylnaphthalene-D10 | 200 | | | 50-150 | 3.36 | 43.8 | |
| Acenaphthylene D8 | 200 | 4.49 | 58.0 | 50-150 | | | |
| Phenanthrene D10 | 200 | 7.81 | 49.5 | 50-150 | | | |
| Anthracene-D10 | 200 | 7.93 | 54.2 | 50-150 | | | |
| Fluoranthene D10 | 200 | 11.18 | 68.3 | 50-150 | | | |
| Benz(a)Anthracene-D12 | 200 | 15.68 | 53.2 | 50-150 | | | |
| Chrysene D12 | 200 | 15.79 | 55.5 | 50-150 | | | |
| Benzo(b)Fluoranthene-D12 | 200 | 19.00 | 47.7 | 50-150 | | | |
| Benzo(k)Fluoranthene-D12 | 200 | 19.09 | 45.1 | 50-150 | | | |
| Benzo(a)Pyrene D12 | 200 | 19.87 | 45.7 M | 50-150 | | | |
| Perylene D12 | 200 | 20.11 | 39.2 | 50-150 | | | |
| Indeno(1,2,3,cd)Pyrene-D12 | 200 | 23.29 | 38.0 | 50-150 | | | |
| Dibenz(a,h)Anthracene-D14 | 200 | 23.45 | 35.1 | 50-150 | | | |
| Benzo(g,h,i)Perylene D12 | 200 | 24.18 | 37.2 | 50-150 | | | |

| | |
|---|---|
| M | Indicates that a peak has been manually integrated. |
| U | Indicates that this compound was not detected above the MDL. |
| R | Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion. |

# ALS Life Sciences

## Laboratory Control Sample Analysis Report

| | | | | | |
|---|---|---|---|---|---|
| **Sample Name** | **Laboratory Control Sample** | | Sampling Date | n/a | |
| ALS Sample ID | WG3302880-2 | | Extraction Date | 3-Apr-20 | |
| Analysis Method | PAH by CARB 429 | | | | |
| Analysis Type | LCS | | | | |
| Sample Matrix | QC | | | | Approved: |
| Sample Size | 1 | n/a | | | *Andrew Reid* |
| Percent Moisture | n/a | | | | --e-signature-- |
| Split Ratio | 2 | | Workgroup | WG3302880 | 09-Apr-2020 |

| **Run Information** | **Run 1** |
|---|---|
| Filename | 20040805.D |
| Run Date | 4/8/2020 6:33 |
| Final Volume | 0.1 mL |
| Dilution Factor | 1 |
| Analysis Units | % Rec |
| Instrument | MSD-5 |
| Column | HP5MS UST530312H |

| **Target Analytes** | **ug spiked** | **Ret. Time** | **%** | **Flags** | **Limits** |
|---|---|---|---|---|---|
| Naphthalene | 200 | 2.77 | 93.1 | | 50-150 |
| 2-Methylnaphthalene | 200 | 3.38 | 92.5 | | 50-150 |
| 1-Methylnaphthalene | 200 | 3.49 | 101.3 | | 50-150 |
| Acenaphthylene | 200 | 4.51 | 86.5 | | 50-150 |
| Acenaphthene | 200 | 4.80 | 70.5 | | 50-150 |
| Fluorene | 200 | 5.71 | 76.2 | | 50-150 |
| Phenanthrene | 200 | 7.86 | 93.5 | | 50-150 |
| Anthracene | 200 | 7.98 | 87 | | 50-150 |
| Fluoranthene | 200 | 11.23 | 88 | | 50-150 |
| Pyrene | 200 | 11.86 | 89.7 | | 50-150 |
| Benzo(a)Anthracene | 200 | 15.74 | 99.4 | | 50-150 |
| Chrysene | 200 | 15.87 | 90.2 | | 50-150 |
| Benzo(b)Fluoranthene | 200 | 19.07 | 107.1 | | 50-150 |
| Benzo(k)Fluoranthene | 200 | 19.14 | 103.9 | | 50-150 |
| Benzo(e)Pyrene | 200 | 19.81 | 94 | | 50-150 |
| Benzo(a)Pyrene | 200 | 19.94 | 88.6 | M | 50-150 |
| Perylene | 200 | 20.18 | 113.9 | | 50-150 |
| Indeno(1,2,3-cd)Pyrene | 200 | 23.37 | 86.5 | | 50-150 |
| Dibenzo(a,h)Anthracene | 200 | 23.56 | 86.6 | | 50-150 |
| Benzo(g,h,i)Perylene | 200 | 24.28 | 89.7 | | 50-150 |
| **Extraction Standards** | | | **% Rec** | | **Limits** |
| Naphthalene D8 | 200 | 2.76 | 38.1 | | 30-150 |
| 2-Methylnaphthalene-D10 | 200 | 3.35 | 50.0 | | 30-150 |
| Acenaphthylene D8 | 200 | 4.49 | 83.1 | | 30-150 |
| Phenanthrene D10 | 200 | 7.81 | 67.0 | | 50-150 |
| Anthracene-D10 | 200 | 7.93 | 76.6 | | 50-150 |
| Fluoranthene D10 | 200 | 11.18 | 83.4 | | 50-150 |
| Benz(a)Anthracene-D12 | 200 | 15.68 | 76.7 | | 50-150 |
| Chrysene D12 | 200 | 15.79 | 88.7 | | 50-150 |
| Benzo(b)Fluoranthene-D12 | 200 | 19.00 | 72.2 | | 50-150 |
| Benzo(k)Fluoranthene-D12 | 200 | 19.08 | 68.8 | | 50-150 |
| Benzo(a)Pyrene D12 | 200 | 19.88 | 71.5 | M | 30-150 |
| Perylene D12 | 200 | 20.11 | 69.1 | | 50-150 |
| Indeno(1,2,3,cd)Pyrene-D12 | 200 | 23.29 | 70.6 | | 50-150 |
| Dibenz(a,h)Anthracene-D14 | 200 | 23.44 | 68.7 | | 50-150 |
| Benzo(g,h,i)Perylene D12 | 200 | 24.18 | 67.0 | | 50-150 |

M Indicates that a peak has been manually integrated.

# Chain of Custody (COC) / Analytical ~~Request Form~~

ALS Environmental

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

L2433648-COFC

L2433655-COFC

| Report To | Contact and company name below will appear on the final report |
|---|---|
| Company: | RWDI |
| Contact: | John Deyoe |
| Phone: | |
| | Company address below will appear on the final report |
| Street: | 600 Southgate Dr. |
| City/Province: | Guelph, ON |
| Postal Code: | N1G 4P6 |

| Report Format / Distribution | |
|---|---|
| Select Report Format: | ☑ PDF ☑ EXCEL ☐ EDD (DIGITAL) |
| Quality Control (QC) Report with Report | ☐ YES ☐ NO |
| ☐ Compare Results to Criteria on Report - provide details below if box checked | |
| Select Distribution: | ☑ EMAIL ☐ MAIL ☐ FAX |
| Email 1 or Fax | |
| Email 2 | |
| Email 3 | |

Select Service Level Below - Contact your AM to confirm all E&P TATs (surcharges may apply)

Regular [R] ☑ Standard TAT if received by 3 pm - business days - no surcharges apply

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business day [E - 100%] ☐ | Same Day, Weekend or Statutory holiday [E2 -200% (Laboratory opening fees may apply)] ☐

Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm

For tests that can not be performed according to the service level selected, you will be contacted.

| Invoice To | | |
|---|---|---|
| | Same as Report To | ☑ YES ☐ NO |
| | ~~Copy of Invoice with Report~~ | ☐ YES ☐ NO |
| Company: | | |
| Contact: | | |

| Invoice Distribution | |
|---|---|
| Select Invoice Distribution: | ☑ EMAIL ☐ MAIL ☐ FAX |
| Email 1 or Fax | |
| Email 2 | |

| Project Information | | Oil and Gas Required Fields (client use) | |
|---|---|---|---|
| ALS Account # / Quote #: | | AFE/Cost Center: | PO# |
| Job #: | DYEC | Major/Minor Code: | Routing Code: |
| PO / AFE: | L4033743 - 1000-100 | Requisitioner: | |
| LSD: | | Location: | |

ALS Lab Work Order # (lab use only):

ALS Contact:

Sampler:

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

| ALS Sample # (lab use only) | Sample Identification and/or Coordinates (This description will appear on the report) | Date (dd-mmm-yy) | Time (hh:mm) | Sample Type | NUMBER OF CONTAINERS | TSP, ICP on Hi Vol Glass Fiber | PAH | DX | Sample Volume (m3) | SAMPLES ON HOLD | SUSPECTED HAZARD (see Special Instructions) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 740312 - Rundle Hi Vol Mar 22 | 22-03-20 | 00:00 | Ambient | | X | | | 1647 | | |
| 2 | 740313 - Courtice Hi Vol Mar 22 | 22-03-20 | 00:00 | ↓ | | X | | | 1706 | | |
| 3 | 740379 - Rundle Hi Vol Mar 28 | 28-03-20 | 00:00 | | | X | | | 1661 | | |
| 4 | 740380 - Courtice Hi Vol Mar 28 | 28-03-20 | 00:00 | | | X | | | 1614 | | |
| 1 | L2428310-2 Rundle PUF Mar 28 | 28-03-20 | 00:00 | | | | X | X | 319 | | |
| 2 | L2428310-3 Courtice PUF Mar 28 | 28-03-20 | 00:00 | ↓ | | | X | X | 319 | | |

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? ☐ YES ☑ NO

Are samples for human consumption/ use? ☐ YES ☑ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ SIF Observations Yes ☐ No ☐

Ice Packs ☒ Ice Cubes ☐ Custody seal intact Yes ☐ No ☐

Cooling Initiated ☒

| INITIAL COOLER TEMPERATURES °C | | | | FINAL COOLER TEMPERATURES °C | | | |
|---|---|---|---|---|---|---|---|
| 9.4°C | 20.8°C | | | | | | |

| SHIPMENT RELEASE (client use) | | | INITIAL SHIPMENT RECEPTION (lab use only) | | | FINAL SHIPMENT RECEPTION (lab use only) | | |
|---|---|---|---|---|---|---|---|---|
| Released by: | Date: | Time: | Received by: | Date: | Time: | Received by: | Date: | Time: |
| | Apr. 2 '20 | 10:45 | ARAN AUSTON | 2-Apr-2020 | 10:45 | | | |

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

JUNE 2018 FRONT

1. ~~If any water samples are taken from a Regulated Drinking Water (DW) System~~, please submit using an Authorized DW COC form.

Station: RofD Rundle  Daily: 28/03/2020  Type: AVG 1 Hr. [5 Mins.]

| Date & Time | PM2.5 | NO | NO2 | NOX | SO2 | Batt Min | Temperature - Ambient | Tr_Temp | RH AVG | Rain total | WS km/hr | WD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ug/m3 | ppb | ppb | ppb | ppb | Volts | C° | C° | % | mm | km/hr | Deg |
| 28/03/2020 00:00 | 13.14 | 7.7 | 12 | 19.7 | 0.063 | 13.2 | 0 | 21 | 96.3 | 0 | 6.83 | 68.73 |
| 28/03/2020 01:00 | 9.4 | 0.4 | 9.5 | 10 | 0.001 | 13.2 | 0.2 | 20.9 | 90 | 0 | 6.34 | 62.27 |
| 28/03/2020 02:00 | 6.24 | 0.1 | 2.7 | 2.9 | 0.009 | 13.2 | 0.9 | 21 | 84.4 | 0 | 7.23 | 71.14 |
| 28/03/2020 03:00 | 4.22 | 7.2 | 6.1 | 13.4 | 0.105 | 13.2 | 1.3 | 20.9 | 79.8 | 0 | 9.42 | 80.72 |
| 28/03/2020 04:00 | 3.39 | 0 | 2.5 | 2.3 | 0.018 | 13.2 | 1.8 | 20.9 | 76.3 | 0 | 11.1 | 81.68 |
| 28/03/2020 05:00 | 3.25 | 0.2 | 2.7 | 2.9 | 0.015 | 13.2 | 2.1 | 20.9 | 75.3 | 0 | 10.04 | 78.47 |
| 28/03/2020 06:00 | 2.88 | 0 | 2.3 | 2.1 | 0.005 | 13.2 | 2.6 | 20.8 | 70.9 | 0 | 12.43 | 80.45 |
| 28/03/2020 07:00 | 3.17 | 0.6 | 3 | 3.6 | 0.023 | 13.2 | 3.5 | 20.8 | 65.2 | 0 | 13 | 80.24 |
| 28/03/2020 08:00 | 2.71 | 0.2 | 2.1 | 2.3 | 0.058 | 13.2 | 4.8 | 21 | 61.2 | 0 | 14.1 | 83.72 |
| 28/03/2020 09:00 | 1.99 | 6.1 | 6.3 | 12.4 | 0.141 | 13.2 | 5.9 | 20.8 | 55.7 | 0 | 14.08 | 96.86 |
| 28/03/2020 10:00 | 2.15 | 0.3 | 2.3 | 2.5 | 0.052 | 13.2 | 5 | 20.6 | 64.9 | 0.1 | 21.14 | 108.85 |
| 28/03/2020 11:00 | 2.95 | 0.2 | 1.8 | 2 | 0.093 | 13.2 | 4.7 | 20.7 | 71.8 | 0.2 | 22.4 | 104.44 |
| 28/03/2020 12:00 | 3.48 | 4.4 | 2.9 | 7.3 | 0.152 | 13.2 | 5.3 | 20.6 | 74.4 | 0.2 | 21.43 | 102.13 |
| 28/03/2020 13:00 | 3.45 | 0.2 | 2 | 2.2 | 0.064 | 13.2 | 6.6 | 20.8 | 72 | 0 | 17.73 | 90.65 |
| 28/03/2020 14:00 | 3.31 | 0.4 | 2.2 | 2.6 | 0.067 | 13.2 | 7.6 | 21.5 | 73 | 0 | 17.86 | 98.25 |
| 28/03/2020 15:00 | 2.76 | 2.8 | 8.1 | 10.9 | 0.097 | 13.2 | 8.3 | 22.1 | 72.3 | 0 | 19.96 | 98.72 |
| 28/03/2020 16:00 | 2.55 | 5.3 | 4.6 | 9.9 | 0.135 | 13.2 | 7.8 | 22.3 | 75.7 | 0 | 23.46 | 104.33 |
| 28/03/2020 17:00 | 2.43 | 0 | 2.3 | 2.2 | 0.007 | 13.2 | 6.8 | 22 | 80 | 0 | 21.2 | 109.43 |
| 28/03/2020 18:00 | 2.49 | 0 | 2.2 | 2.2 | 0.048 | 13.2 | 6.1 | 21.6 | 85.1 | 0 | 19.71 | 94.25 |
| 28/03/2020 19:00 | 2.27 | 0 | 1.8 | 1.7 | 0.034 | 13.2 | 6 | 21 | 94.5 | 0 | 19.02 | 92.45 |
| 28/03/2020 20:00 | 2.19 | 0 | 1.9 | 1.8 | 0.023 | 13.2 | 5.8 | 20.7 | 95.8 | 0 | 16.73 | 87.8 |
| 28/03/2020 21:00 | 1.57 | 0.1 | 1.8 | 1.7 | 0.06 | 13.2 | 6.3 | 20.4 | 95.2 | 0 | 20.46 | 96.65 |
| 28/03/2020 22:00 | 1.47 | 0.1 | 1.7 | 1.6 | 0.043 | 13.2 | 6.5 | 20.9 | 93.7 | 0 | 24.24 | 100.26 |
| 28/03/2020 23:00 | 1.45 | 0.1 | 1.6 | 1.5 | 0.08 | 13.2 | 6.5 | 20.4 | 93.1 | 0 | 26.49 | 102.98 |
| Minimum | 1.45 | 0 | 1.6 | 1.5 | 0.001 | 13.2 | 0 | 20.4 | 55.7 | 0 | 6.34 | 62.27 |
| MinDate | 23:00 | 04:00 | 23:00 | 23:00 | 01:00 | 00:00 | 00:00 | 21:00 | 09:00 | 00:00 | 01:00 | 01:00 |
| Maximum | 13.14 | 7.7 | 12 | 19.7 | 0.152 | 13.2 | 8.3 | 22.3 | 96.3 | 0.18 | 26.49 | 109.43 |
| MaxDate | 00:00 | 00:00 | 00:00 | 00:00 | 12:00 | 00:00 | 15:00 | 16:00 | 00:00 | 12:00 | 23:00 | 17:00 |
| Avg | 3.54 | 1.5 | 3.6 | 5.1 | 0.058 | 13.2 | 4.7 | 21 | 79 | 0.01 | 16.52 | 90.64 |
| Num | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Data[%] | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| STD | 2.6 | 2.5 | 2.7 | 4.8 | 0 | No Data | 2.5 | 0.5 | 11.6 | 0 | 5.8 | 12.8 |

**Table B6: 2020 Rundle Station Q1 Monitoring Results for PAHs**

| Contaminant | Units | *MECP Criteria* | *HHRA Health Based Criteria* | 28-Mar-20 |
|---|---|---|---|---|
| 1-Methylnaphthalene | ng/m$^3$ | *12000* | - | 5.33E+00 |
| 2-Methylnaphthalene | ng/m$^3$ | *10000* | - | 7.68E+00 |
| Acenaphthene | ng/m$^3$ | - | - | 2.46E+00 |
| Acenaphthylene | ng/m$^3$ | *3500* | - | 9.66E-02 |
| Anthracene | ng/m$^3$ | *200* | - | 6.77E-02 |
| Benzo(a)Anthracene | ng/m$^3$ | - | - | 2.67E-02 |
| Benzo(a)fluorene | ng/m$^3$ | - | - | 6.74E-02 |
| Benzo(a)Pyrene | ng/m$^3$ | *0.05* [1]<br>*5* [2]<br>*1.1* [3] | *1* | 5.80E-02 |
| Benzo(b)Fluoranthene | ng/m$^3$ | - | - | 1.38E-01 |
| Benzo(b)fluorene | ng/m$^3$ | - | - | 2.98E-02 |
| Benzo(e)Pyrene | ng/m$^3$ | - | - | 5.77E-02 |
| Benzo(g,h,i)Perylene | ng/m$^3$ | - | - | 6.90E-02 |
| Benzo(k)Fluoranthene | ng/m$^3$ | - | - | 7.77E-02 |
| Biphenyl | ng/m$^3$ | - | - | 3.92E+00 |
| Chrysene | ng/m$^3$ | - | - | 1.76E-01 |
| Dibenzo(a,h)Anthracene | ng/m$^3$ | - | - | 8.78E-03 |
| Fluoranthene | ng/m$^3$ | - | - | 9.28E-01 |
| Fluorene | ng/m$^3$ | - | - | 2.53E+00 |
| Indeno(1,2,3-cd)Pyrene | ng/m$^3$ | - | - | 6.96E-02 |
| Naphthalene | ng/m$^3$ | *22500* | *22500* | 3.39E+01 |
| o-Terphenyl | ng/m$^3$ | - | - | 2.21E-02 |
| Perylene | ng/m$^3$ | - | - | 6.27E-04 |
| Phenanthrene | ng/m$^3$ | - | - | 4.26E+00 |
| Pyrene | ng/m$^3$ | - | - | 4.64E-01 |
| Tetralin | ng/m$^3$ | - | - | 2.54E+00 |
| Total PAH[4] | ng/m$^3$ | - | - | 6.49E+01 |

Station: RofD Rundle Periodically: 28/03/2020 00:00-28/03/2020 23:59 Type: AVG 1 Min. [1 Min.]

| | | | Courtice | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date & Time | Temperature - Ambient | Temperature - Ambient | Pressure | Pressure | Hi-Vol Pressure | HiVol | | PUF Pressure | PUF | |
| | C° | K° | in HG | kPa | in H20 | cfm | m3 | in H20 | cfm | m3 |
| 28/03/2020 00:00 | -0.6 | 272.55 | 29.77 | 100.81 | 4.23 | 40.69 | 1.15 | 54.47 | 8.19 | 0.23 |
| 28/03/2020 00:01 | -0.5 | 272.65 | 29.77 | 100.81 | 4.48 | 42.19 | 1.19 | 54.34 | 8.18 | 0.23 |
| 28/03/2020 00:02 | -0.4 | 272.75 | 29.77 | 100.81 | 4.53 | 42.48 | 1.2 | 53.3 | 8.11 | 0.23 |
| 28/03/2020 00:03 | -0.3 | 272.85 | 29.77 | 100.81 | 4.5 | 42.29 | 1.2 | 52.87 | 8.08 | 0.23 |
| 28/03/2020 00:04 | -0.3 | 272.85 | 29.77 | 100.81 | 4.48 | 42.17 | 1.19 | 52.92 | 8.08 | 0.23 |
| 28/03/2020 00:05 | -0.2 | 272.95 | 29.77 | 100.81 | 4.47 | 42.1 | 1.19 | 52.97 | 8.08 | 0.23 |
| 28/03/2020 00:06 | -0.2 | 272.95 | 29.77 | 100.81 | 4.48 | 42.16 | 1.19 | 52.84 | 8.07 | 0.23 |
| 28/03/2020 00:07 | -0.2 | 272.95 | 29.77 | 100.81 | 4.48 | 42.16 | 1.19 | 52.96 | 8.08 | 0.23 |
| 28/03/2020 00:08 | -0.3 | 272.85 | 29.77 | 100.81 | 4.46 | 42.05 | 1.19 | 52.9 | 8.08 | 0.23 |
| 28/03/2020 00:09 | -0.4 | 272.75 | 29.76 | 100.78 | 4.49 | 42.23 | 1.2 | 52.52 | 8.05 | 0.23 |
| 28/03/2020 00:10 | -0.4 | 272.75 | 29.77 | 100.81 | 4.45 | 42 | 1.19 | 53.16 | 8.1 | 0.23 |
| 28/03/2020 00:11 | -0.4 | 272.75 | 29.76 | 100.78 | 4.44 | 41.93 | 1.19 | 52.61 | 8.06 | 0.23 |
| 28/03/2020 00:12 | -0.3 | 272.85 | 29.76 | 100.78 | 4.51 | 42.34 | 1.2 | 50.85 | 7.93 | 0.22 |
| 28/03/2020 00:13 | -0.3 | 272.85 | 29.77 | 100.81 | 4.45 | 41.99 | 1.19 | 52.93 | 8.08 | 0.23 |
| 28/03/2020 00:14 | -0.3 | 272.85 | 29.76 | 100.78 | 4.48 | 42.16 | 1.19 | 52.62 | 8.06 | 0.23 |
| 28/03/2020 00:15 | -0.3 | 272.85 | 29.77 | 100.81 | 4.48 | 42.17 | 1.19 | 52.76 | 8.07 | 0.23 |
| 28/03/2020 00:16 | -0.4 | 272.75 | 29.77 | 100.81 | 4.44 | 41.94 | 1.19 | 52.81 | 8.07 | 0.23 |
| 28/03/2020 00:17 | -0.5 | 272.65 | 29.77 | 100.81 | 4.51 | 42.37 | 1.2 | 52.97 | 8.09 | 0.23 |
| 28/03/2020 00:18 | -0.4 | 272.75 | 29.77 | 100.81 | 4.49 | 42.24 | 1.2 | 52.35 | 8.04 | 0.23 |
| 28/03/2020 00:19 | -0.4 | 272.75 | 29.77 | 100.81 | 4.5 | 42.3 | 1.2 | 53.07 | 8.09 | 0.23 |
| 28/03/2020 00:20 | -0.3 | 272.85 | 29.76 | 100.78 | 4.48 | 42.16 | 1.19 | 52.92 | 8.08 | 0.23 |
| 28/03/2020 00:21 | -0.3 | 272.85 | 29.76 | 100.78 | 4.46 | 42.04 | 1.19 | 52.64 | 8.06 | 0.23 |
| 28/03/2020 00:22 | -0.2 | 272.95 | 29.76 | 100.78 | 4.44 | 41.91 | 1.19 | 52.79 | 8.07 | 0.23 |
| 28/03/2020 00:23 | -0.2 | 272.95 | 29.76 | 100.78 | 4.46 | 42.03 | 1.19 | 53.24 | 8.1 | 0.23 |
| 28/03/2020 00:24 | -0.1 | 273.05 | 29.76 | 100.78 | 4.46 | 42.02 | 1.19 | 52.82 | 8.07 | 0.23 |
| 28/03/2020 00:25 | 0 | 273.15 | 29.76 | 100.78 | 4.48 | 42.13 | 1.19 | 52.95 | 8.08 | 0.23 |
| 28/03/2020 00:26 | 0 | 273.15 | 29.76 | 100.78 | 4.42 | 41.78 | 1.18 | 52.57 | 8.05 | 0.23 |
| 28/03/2020 00:27 | 0 | 273.15 | 29.76 | 100.78 | 4.48 | 42.13 | 1.19 | 52.73 | 8.06 | 0.23 |
| 28/03/2020 00:28 | 0.1 | 273.25 | 29.76 | 100.78 | 4.47 | 42.06 | 1.19 | 52.72 | 8.06 | 0.23 |
| 28/03/2020 00:29 | 0.1 | 273.25 | 29.77 | 100.81 | 4.47 | 42.07 | 1.19 | 52.73 | 8.06 | 0.23 |
| 28/03/2020 00:30 | 0 | 273.15 | 29.76 | 100.78 | 4.44 | 41.9 | 1.19 | 53.23 | 8.1 | 0.23 |
| 28/03/2020 00:31 | 0 | 273.15 | 29.77 | 100.81 | 4.51 | 42.32 | 1.2 | 52.49 | 8.04 | 0.23 |
| 28/03/2020 00:32 | 0 | 273.15 | 29.76 | 100.78 | 4.43 | 41.84 | 1.18 | 52.41 | 8.04 | 0.23 |
| 28/03/2020 00:33 | 0 | 273.15 | 29.76 | 100.78 | 4.49 | 42.19 | 1.19 | 52.64 | 8.05 | 0.23 |
| 28/03/2020 00:34 | 0 | 273.15 | 29.76 | 100.78 | 4.46 | 42.01 | 1.19 | 52.63 | 8.05 | 0.23 |
| 28/03/2020 00:35 | 0 | 273.15 | 29.76 | 100.78 | 4.44 | 41.9 | 1.19 | 53.26 | 8.1 | 0.23 |
| 28/03/2020 00:36 | 0 | 273.15 | 29.76 | 100.78 | 4.45 | 41.95 | 1.19 | 52.89 | 8.07 | 0.23 |
| 28/03/2020 00:37 | 0 | 273.15 | 29.76 | 100.78 | 4.46 | 42.01 | 1.19 | 53.46 | 8.11 | 0.23 |
| 28/03/2020 00:38 | 0 | 273.15 | 29.76 | 100.78 | 4.43 | 41.84 | 1.18 | 53.21 | 8.09 | 0.23 |
| 28/03/2020 00:39 | -0.1 | 273.05 | 29.76 | 100.78 | 4.47 | 42.08 | 1.19 | 52.59 | 8.05 | 0.23 |
| 28/03/2020 00:40 | 0 | 273.15 | 29.76 | 100.78 | 4.48 | 42.13 | 1.19 | 52.29 | 8.03 | 0.23 |
| 28/03/2020 00:41 | 0 | 273.15 | 29.76 | 100.78 | 4.45 | 41.95 | 1.19 | 51.69 | 7.99 | 0.23 |
| 28/03/2020 00:42 | 0 | 273.15 | 29.76 | 100.78 | 4.42 | 41.78 | 1.18 | 53.06 | 8.08 | 0.23 |
| 28/03/2020 00:43 | 0 | 273.15 | 29.76 | 100.78 | 4.47 | 42.07 | 1.19 | 52.77 | 8.06 | 0.23 |
| 28/03/2020 00:44 | 0.1 | 273.25 | 29.76 | 100.78 | 4.42 | 41.77 | 1.18 | 52.83 | 8.07 | 0.23 |
| 28/03/2020 00:45 | 0.3 | 273.45 | 29.76 | 100.78 | 4.46 | 41.99 | 1.19 | 53.29 | 8.1 | 0.23 |
| 28/03/2020 00:46 | 0.4 | 273.55 | 29.76 | 100.78 | 4.41 | 41.68 | 1.18 | 52.91 | 8.07 | 0.23 |
| 28/03/2020 00:47 | 0.4 | 273.55 | 29.76 | 100.78 | 4.46 | 41.98 | 1.19 | 53.09 | 8.08 | 0.23 |
| 28/03/2020 00:48 | 0.5 | 273.65 | 29.75 | 100.75 | 4.46 | 41.96 | 1.19 | 52.97 | 8.07 | 0.23 |
| 28/03/2020 00:49 | 0.5 | 273.65 | 29.75 | 100.75 | 4.44 | 41.84 | 1.18 | 52.99 | 8.07 | 0.23 |
| 28/03/2020 00:50 | 0.5 | 273.65 | 29.75 | 100.75 | 4.48 | 42.08 | 1.19 | 53.26 | 8.09 | 0.23 |
| 28/03/2020 00:51 | 0.6 | 273.75 | 29.75 | 100.75 | 4.46 | 41.95 | 1.19 | 52.83 | 8.06 | 0.23 |
| 28/03/2020 00:52 | 0.5 | 273.65 | 29.75 | 100.75 | 4.41 | 41.66 | 1.18 | 53.22 | 8.09 | 0.23 |
| 28/03/2020 00:53 | 0.6 | 273.75 | 29.75 | 100.75 | 4.46 | 41.95 | 1.19 | 53.15 | 8.08 | 0.23 |
| 28/03/2020 00:54 | 0.6 | 273.75 | 29.75 | 100.75 | 4.44 | 41.83 | 1.18 | 53.28 | 8.09 | 0.23 |
| 28/03/2020 00:55 | 0.5 | 273.65 | 29.76 | 100.78 | 4.48 | 42.08 | 1.19 | 53.33 | 8.1 | 0.23 |
| 28/03/2020 00:56 | 0.5 | 273.65 | 29.76 | 100.78 | 4.44 | 41.85 | 1.19 | 52.68 | 8.05 | 0.23 |
| 28/03/2020 00:57 | 0.5 | 273.65 | 29.75 | 100.75 | 4.42 | 41.72 | 1.18 | 53.07 | 8.08 | 0.23 |
| 28/03/2020 00:58 | 0.5 | 273.65 | 29.75 | 100.75 | 4.42 | 41.72 | 1.18 | 52.74 | 8.05 | 0.23 |
| 28/03/2020 00:59 | 0.5 | 273.65 | 29.75 | 100.75 | 4.39 | 41.54 | 1.18 | 53.08 | 8.08 | 0.23 |
| 28/03/2020 01:00 | 0.5 | 273.65 | 29.75 | 100.75 | 4.43 | 41.78 | 1.18 | 53.15 | 8.08 | 0.23 |
| 28/03/2020 01:01 | 0.4 | 273.55 | 29.75 | 100.75 | 4.37 | 41.43 | 1.17 | 52.95 | 8.07 | 0.23 |
| 28/03/2020 01:02 | 0.3 | 273.45 | 29.75 | 100.75 | 4.41 | 41.68 | 1.18 | 52.98 | 8.07 | 0.23 |
| 28/03/2020 01:03 | 0.3 | 273.45 | 29.76 | 100.78 | 4.41 | 41.69 | 1.18 | 52.8 | 8.06 | 0.23 |
| 28/03/2020 01:04 | 0.3 | 273.45 | 29.76 | 100.78 | 4.42 | 41.75 | 1.18 | 53.1 | 8.08 | 0.23 |
| 28/03/2020 01:05 | 0.2 | 273.35 | 29.76 | 100.78 | 4.41 | 41.7 | 1.18 | 53.1 | 8.08 | 0.23 |
| 28/03/2020 01:06 | 0.2 | 273.35 | 29.76 | 100.78 | 4.41 | 41.7 | 1.18 | 52.79 | 8.06 | 0.23 |
| 28/03/2020 01:07 | 0.2 | 273.35 | 29.76 | 100.78 | 4.41 | 41.7 | 1.18 | 52.77 | 8.06 | 0.23 |
| 28/03/2020 01:08 | 0.3 | 273.45 | 29.76 | 100.78 | 4.42 | 41.75 | 1.18 | 52.83 | 8.06 | 0.23 |
| 28/03/2020 01:09 | 0.3 | 273.45 | 29.75 | 100.75 | 4.44 | 41.86 | 1.19 | 53.41 | 8.1 | 0.23 |
| 28/03/2020 01:10 | 0.3 | 273.45 | 29.75 | 100.75 | 4.49 | 42.16 | 1.19 | 52.9 | 8.07 | 0.23 |
| 28/03/2020 01:11 | 0.3 | 273.45 | 29.75 | 100.75 | 4.44 | 41.86 | 1.19 | 53.67 | 8.12 | 0.23 |
| 28/03/2020 01:12 | 0.3 | 273.45 | 29.75 | 100.75 | 4.41 | 41.68 | 1.18 | 52.99 | 8.07 | 0.23 |
| 28/03/2020 01:13 | 0.2 | 273.35 | 29.75 | 100.75 | 4.44 | 41.87 | 1.19 | 53.14 | 8.09 | 0.23 |
| 28/03/2020 01:14 | 0.1 | 273.25 | 29.75 | 100.75 | 4.46 | 42 | 1.19 | 51.54 | 7.97 | 0.23 |
| 28/03/2020 01:15 | 0.1 | 273.25 | 29.75 | 100.75 | 4.43 | 41.82 | 1.18 | 53.26 | 8.09 | 0.23 |
| 28/03/2020 01:16 | 0 | 273.15 | 29.75 | 100.75 | 4.42 | 41.77 | 1.18 | 53.17 | 8.09 | 0.23 |
| 28/03/2020 01:17 | 0 | 273.15 | 29.75 | 100.75 | 4.47 | 42.07 | 1.19 | 53.15 | 8.09 | 0.23 |
| 28/03/2020 01:18 | 0 | 273.15 | 29.75 | 100.75 | 4.45 | 41.95 | 1.19 | 52.3 | 8.03 | 0.23 |
| 28/03/2020 01:19 | -0.1 | 273.05 | 29.75 | 100.75 | 4.47 | 42.08 | 1.19 | 53.32 | 8.1 | 0.23 |
| 28/03/2020 01:20 | -0.1 | 273.05 | 29.75 | 100.75 | 4.48 | 42.14 | 1.19 | 53.14 | 8.09 | 0.23 |
| 28/03/2020 01:21 | -0.1 | 273.05 | 29.75 | 100.75 | 4.42 | 41.78 | 1.18 | 52.81 | 8.07 | 0.23 |
| 28/03/2020 01:22 | -0.1 | 273.05 | 29.75 | 100.75 | 4.44 | 41.9 | 1.19 | 53.21 | 8.09 | 0.23 |

Station: RofD Rundle Periodically: 28/03/2020 00:00-28/03/2020 23:59 Type: AVG 1 Min. [1 Min.]

| | | | Courtice | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date & Time | Temperature - Ambient | Temperature - Ambient | Pressure | Pressure | Hi-Vol Pressure | HiVol | | PUF Pressure | PUF | |
| | C° | K° | in HG | kPa | in H20 | cfm | m3 | in H20 | cfm | m3 |
| 28/03/2020 01:23 | -0.1 | 273.05 | 29.75 | 100.75 | 4.46 | 42.02 | 1.19 | 52.99 | 8.08 | 0.23 |
| 28/03/2020 01:24 | -0.1 | 273.05 | 29.75 | 100.75 | 4.52 | 42.37 | 1.2 | 53.2 | 8.09 | 0.23 |
| 28/03/2020 01:25 | -0.1 | 273.05 | 29.74 | 100.71 | 4.46 | 42.01 | 1.19 | 53.37 | 8.1 | 0.23 |
| 28/03/2020 01:26 | -0.1 | 273.05 | 29.74 | 100.71 | 4.48 | 42.12 | 1.19 | 53.13 | 8.09 | 0.23 |
| 28/03/2020 01:27 | -0.1 | 273.05 | 29.74 | 100.71 | 4.45 | 41.95 | 1.19 | 53.3 | 8.1 | 0.23 |
| 28/03/2020 01:28 | 0 | 273.15 | 29.74 | 100.71 | 4.42 | 41.76 | 1.18 | 53.05 | 8.08 | 0.23 |
| 28/03/2020 01:29 | 0 | 273.15 | 29.74 | 100.71 | 4.47 | 42.06 | 1.19 | 52.98 | 8.08 | 0.23 |
| 28/03/2020 01:30 | 0.1 | 273.25 | 29.74 | 100.71 | 4.46 | 41.99 | 1.19 | 53.48 | 8.11 | 0.23 |
| 28/03/2020 01:31 | 0.1 | 273.25 | 29.74 | 100.71 | 4.42 | 41.75 | 1.18 | 52.85 | 8.06 | 0.23 |
| 28/03/2020 01:32 | 0.1 | 273.25 | 29.74 | 100.71 | 4.39 | 41.57 | 1.18 | 52.82 | 8.06 | 0.23 |
| 28/03/2020 01:33 | 0.1 | 273.25 | 29.74 | 100.71 | 4.41 | 41.69 | 1.18 | 53.58 | 8.12 | 0.23 |
| 28/03/2020 01:34 | 0.1 | 273.25 | 29.74 | 100.71 | 4.48 | 42.11 | 1.19 | 52.97 | 8.07 | 0.23 |
| 28/03/2020 01:35 | 0.2 | 273.35 | 29.74 | 100.71 | 4.42 | 41.74 | 1.18 | 53.1 | 8.08 | 0.23 |
| 28/03/2020 01:36 | 0.2 | 273.35 | 29.73 | 100.68 | 4.45 | 41.91 | 1.19 | 53.35 | 8.1 | 0.23 |
| 28/03/2020 01:37 | 0.2 | 273.35 | 29.73 | 100.68 | 4.45 | 41.91 | 1.19 | 52.92 | 8.07 | 0.23 |
| 28/03/2020 01:38 | 0.2 | 273.35 | 29.73 | 100.68 | 4.41 | 41.67 | 1.18 | 52.5 | 8.04 | 0.23 |
| 28/03/2020 01:39 | 0.2 | 273.35 | 29.73 | 100.68 | 4.46 | 41.97 | 1.19 | 52.42 | 8.03 | 0.23 |
| 28/03/2020 01:40 | 0.3 | 273.45 | 29.74 | 100.71 | 4.45 | 41.91 | 1.19 | 52.34 | 8.03 | 0.23 |
| 28/03/2020 01:41 | 0.3 | 273.45 | 29.74 | 100.71 | 4.41 | 41.67 | 1.18 | 52.79 | 8.06 | 0.23 |
| 28/03/2020 01:42 | 0.3 | 273.45 | 29.74 | 100.71 | 4.49 | 42.15 | 1.19 | 52.77 | 8.06 | 0.23 |
| 28/03/2020 01:43 | 0.3 | 273.45 | 29.74 | 100.71 | 4.43 | 41.79 | 1.18 | 52.77 | 8.06 | 0.23 |
| 28/03/2020 01:44 | 0.3 | 273.45 | 29.74 | 100.71 | 4.43 | 41.79 | 1.18 | 51.29 | 7.95 | 0.23 |
| 28/03/2020 01:45 | 0.3 | 273.45 | 29.74 | 100.71 | 4.46 | 41.97 | 1.19 | 52.9 | 8.07 | 0.23 |
| 28/03/2020 01:46 | 0.3 | 273.45 | 29.74 | 100.71 | 4.44 | 41.85 | 1.19 | 53.08 | 8.08 | 0.23 |
| 28/03/2020 01:47 | 0.4 | 273.55 | 29.74 | 100.71 | 4.43 | 41.78 | 1.18 | 52.57 | 8.04 | 0.23 |
| 28/03/2020 01:48 | 0.4 | 273.55 | 29.74 | 100.71 | 4.44 | 41.84 | 1.18 | 53.03 | 8.07 | 0.23 |
| 28/03/2020 01:49 | 0.4 | 273.55 | 29.74 | 100.71 | 4.43 | 41.78 | 1.18 | 53.3 | 8.09 | 0.23 |
| 28/03/2020 01:50 | 0.3 | 273.45 | 29.74 | 100.71 | 4.46 | 41.97 | 1.19 | 53.05 | 8.08 | 0.23 |
| 28/03/2020 01:51 | 0.3 | 273.45 | 29.74 | 100.71 | 4.48 | 42.09 | 1.19 | 53.53 | 8.11 | 0.23 |
| 28/03/2020 01:52 | 0.3 | 273.45 | 29.74 | 100.71 | 4.4 | 41.61 | 1.18 | 53.4 | 8.1 | 0.23 |
| 28/03/2020 01:53 | 0.3 | 273.45 | 29.74 | 100.71 | 4.43 | 41.79 | 1.18 | 53.37 | 8.1 | 0.23 |
| 28/03/2020 01:54 | 0.3 | 273.45 | 29.74 | 100.71 | 4.45 | 41.91 | 1.19 | 53.06 | 8.08 | 0.23 |
| 28/03/2020 01:55 | 0.3 | 273.45 | 29.74 | 100.71 | 4.42 | 41.73 | 1.18 | 53.1 | 8.08 | 0.23 |
| 28/03/2020 01:56 | 0.3 | 273.45 | 29.74 | 100.71 | 4.41 | 41.67 | 1.18 | 53.46 | 8.1 | 0.23 |
| 28/03/2020 01:57 | 0.3 | 273.45 | 29.74 | 100.71 | 4.44 | 41.85 | 1.19 | 53.52 | 8.11 | 0.23 |
| 28/03/2020 01:58 | 0.3 | 273.45 | 29.74 | 100.71 | 4.45 | 41.91 | 1.19 | 53.12 | 8.08 | 0.23 |
| 28/03/2020 01:59 | 0.4 | 273.55 | 29.74 | 100.71 | 4.42 | 41.72 | 1.18 | 53.9 | 8.13 | 0.23 |
| 28/03/2020 02:00 | 0.5 | 273.65 | 29.73 | 100.68 | 4.44 | 41.82 | 1.18 | 53.39 | 8.1 | 0.23 |
| 28/03/2020 02:01 | 0.5 | 273.65 | 29.73 | 100.68 | 4.44 | 41.82 | 1.18 | 53.04 | 8.07 | 0.23 |
| 28/03/2020 02:02 | 0.6 | 273.75 | 29.74 | 100.71 | 4.46 | 41.94 | 1.19 | 52.63 | 8.04 | 0.23 |
| 28/03/2020 02:03 | 0.6 | 273.75 | 29.73 | 100.68 | 4.41 | 41.63 | 1.18 | 53.34 | 8.09 | 0.23 |
| 28/03/2020 02:04 | 0.6 | 273.75 | 29.73 | 100.68 | 4.42 | 41.69 | 1.18 | 53.08 | 8.07 | 0.23 |
| 28/03/2020 02:05 | 0.6 | 273.75 | 29.73 | 100.68 | 4.42 | 41.69 | 1.18 | 52.79 | 8.05 | 0.23 |
| 28/03/2020 02:06 | 0.6 | 273.75 | 29.73 | 100.68 | 4.41 | 41.63 | 1.18 | 53.12 | 8.08 | 0.23 |
| 28/03/2020 02:07 | 0.6 | 273.75 | 29.73 | 100.68 | 4.41 | 41.63 | 1.18 | 52.79 | 8.05 | 0.23 |
| 28/03/2020 02:08 | 0.6 | 273.75 | 29.73 | 100.68 | 4.44 | 41.81 | 1.18 | 53.5 | 8.1 | 0.23 |
| 28/03/2020 02:09 | 0.6 | 273.75 | 29.73 | 100.68 | 4.45 | 41.87 | 1.19 | 52.53 | 8.03 | 0.23 |
| 28/03/2020 02:10 | 0.6 | 273.75 | 29.73 | 100.68 | 4.43 | 41.75 | 1.18 | 52.97 | 8.07 | 0.23 |
| 28/03/2020 02:11 | 0.7 | 273.85 | 29.73 | 100.68 | 4.43 | 41.74 | 1.18 | 53.49 | 8.1 | 0.23 |
| 28/03/2020 02:12 | 0.7 | 273.85 | 29.73 | 100.68 | 4.48 | 42.04 | 1.19 | 52.72 | 8.05 | 0.23 |
| 28/03/2020 02:13 | 0.8 | 273.95 | 29.73 | 100.68 | 4.38 | 41.43 | 1.17 | 53.14 | 8.07 | 0.23 |
| 28/03/2020 02:14 | 0.8 | 273.95 | 29.73 | 100.68 | 4.45 | 41.85 | 1.19 | 52.99 | 8.06 | 0.23 |
| 28/03/2020 02:15 | 0.8 | 273.95 | 29.73 | 100.68 | 4.35 | 41.25 | 1.17 | 52.78 | 8.05 | 0.23 |
| 28/03/2020 02:16 | 0.8 | 273.95 | 29.73 | 100.68 | 4.43 | 41.73 | 1.18 | 51.75 | 7.98 | 0.23 |
| 28/03/2020 02:17 | 0.8 | 273.95 | 29.74 | 100.71 | 4.39 | 41.5 | 1.18 | 53.27 | 8.08 | 0.23 |
| 28/03/2020 02:18 | 0.8 | 273.95 | 29.74 | 100.71 | 4.43 | 41.74 | 1.18 | 52.66 | 8.04 | 0.23 |
| 28/03/2020 02:19 | 0.8 | 273.95 | 29.74 | 100.71 | 4.43 | 41.74 | 1.18 | 53.34 | 8.09 | 0.23 |
| 28/03/2020 02:20 | 0.8 | 273.95 | 29.74 | 100.71 | 4.44 | 41.8 | 1.18 | 53.22 | 8.08 | 0.23 |
| 28/03/2020 02:21 | 0.8 | 273.95 | 29.74 | 100.71 | 4.42 | 41.68 | 1.18 | 53.41 | 8.09 | 0.23 |
| 28/03/2020 02:22 | 0.8 | 273.95 | 29.74 | 100.71 | 4.42 | 41.68 | 1.18 | 53.43 | 8.1 | 0.23 |
| 28/03/2020 02:23 | 0.8 | 273.95 | 29.73 | 100.68 | 4.42 | 41.67 | 1.18 | 53.26 | 8.08 | 0.23 |
| 28/03/2020 02:24 | 0.8 | 273.95 | 29.73 | 100.68 | 4.41 | 41.61 | 1.18 | 52.92 | 8.06 | 0.23 |
| 28/03/2020 02:25 | 0.8 | 273.95 | 29.73 | 100.68 | 4.41 | 41.61 | 1.18 | 52.99 | 8.06 | 0.23 |
| 28/03/2020 02:26 | 0.8 | 273.95 | 29.73 | 100.68 | 4.44 | 41.79 | 1.18 | 52.59 | 8.04 | 0.23 |
| 28/03/2020 02:27 | 0.8 | 273.95 | 29.73 | 100.68 | 4.45 | 41.85 | 1.19 | 52.98 | 8.06 | 0.23 |
| 28/03/2020 02:28 | 0.9 | 274.05 | 29.73 | 100.68 | 4.42 | 41.66 | 1.18 | 52.78 | 8.05 | 0.23 |
| 28/03/2020 02:29 | 0.9 | 274.05 | 29.73 | 100.68 | 4.4 | 41.54 | 1.18 | 52.37 | 8.02 | 0.23 |
| 28/03/2020 02:30 | 0.9 | 274.05 | 29.73 | 100.68 | 4.44 | 41.78 | 1.18 | 53.47 | 8.1 | 0.23 |
| 28/03/2020 02:31 | 0.9 | 274.05 | 29.73 | 100.68 | 4.46 | 41.9 | 1.19 | 52.76 | 8.05 | 0.23 |
| 28/03/2020 02:32 | 1 | 274.15 | 29.73 | 100.68 | 4.43 | 41.71 | 1.18 | 52.92 | 8.06 | 0.23 |
| 28/03/2020 02:33 | 1 | 274.15 | 29.73 | 100.68 | 4.39 | 41.47 | 1.17 | 52.44 | 8.02 | 0.23 |
| 28/03/2020 02:34 | 1 | 274.15 | 29.72 | 100.64 | 4.45 | 41.82 | 1.18 | 52.46 | 8.02 | 0.23 |
| 28/03/2020 02:35 | 1 | 274.15 | 29.72 | 100.64 | 4.46 | 41.88 | 1.19 | 53.04 | 8.06 | 0.23 |
| 28/03/2020 02:36 | 1 | 274.15 | 29.72 | 100.64 | 4.41 | 41.58 | 1.18 | 52.89 | 8.05 | 0.23 |
| 28/03/2020 02:37 | 1 | 274.15 | 29.72 | 100.64 | 4.43 | 41.7 | 1.18 | 52.53 | 8.03 | 0.23 |
| 28/03/2020 02:38 | 1 | 274.15 | 29.72 | 100.64 | 4.38 | 41.4 | 1.17 | 52.81 | 8.05 | 0.23 |
| 28/03/2020 02:39 | 1 | 274.15 | 29.72 | 100.64 | 4.41 | 41.58 | 1.18 | 52.75 | 8.04 | 0.23 |
| 28/03/2020 02:40 | 1 | 274.15 | 29.72 | 100.64 | 4.44 | 41.76 | 1.18 | 52.17 | 8 | 0.23 |
| 28/03/2020 02:41 | 1 | 274.15 | 29.72 | 100.64 | 4.48 | 42 | 1.19 | 52.38 | 8.02 | 0.23 |
| 28/03/2020 02:42 | 1.1 | 274.25 | 29.72 | 100.64 | 4.43 | 41.69 | 1.18 | 52.96 | 8.06 | 0.23 |
| 28/03/2020 02:43 | 1.1 | 274.25 | 29.72 | 100.64 | 4.42 | 41.63 | 1.18 | 53.27 | 8.08 | 0.23 |
| 28/03/2020 02:44 | 1.1 | 274.25 | 29.72 | 100.64 | 4.43 | 41.69 | 1.18 | 53.37 | 8.09 | 0.23 |
| 28/03/2020 02:45 | 1.1 | 274.25 | 29.72 | 100.64 | 4.45 | 41.81 | 1.18 | 52.64 | 8.03 | 0.23 |

Station: RofD Rundle Periodically: 28/03/2020 00:00-28/03/2020 23:59 Type: AVG 1 Min. [1 Min.]

| | | | Courtice | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date & Time | Temperature - Ambient | Temperature - Ambient | Pressure | Pressure | Hi-Vol Pressure | HiVol | | PUF Pressure | PUF | |
| | C° | K° | in HG | kPa | in H20 | cfm | m3 | in H20 | cfm | m3 |
| 28/03/2020 02:46 | 1.2 | 274.35 | 29.72 | 100.64 | 4.39 | 41.44 | 1.17 | 53.09 | 8.06 | 0.23 |
| 28/03/2020 02:47 | 1.2 | 274.35 | 29.72 | 100.64 | 4.39 | 41.44 | 1.17 | 52.69 | 8.04 | 0.23 |
| 28/03/2020 02:48 | 1.2 | 274.35 | 29.72 | 100.64 | 4.44 | 41.74 | 1.18 | 52.83 | 8.05 | 0.23 |
| 28/03/2020 02:49 | 1.2 | 274.35 | 29.73 | 100.68 | 4.39 | 41.45 | 1.17 | 51.59 | 7.96 | 0.23 |
| 28/03/2020 02:50 | 1.2 | 274.35 | 29.73 | 100.68 | 4.46 | 41.87 | 1.19 | 51.91 | 7.98 | 0.23 |
| 28/03/2020 02:51 | 1.1 | 274.25 | 29.72 | 100.64 | 4.36 | 41.27 | 1.17 | 52.37 | 8.02 | 0.23 |
| 28/03/2020 02:52 | 1.1 | 274.25 | 29.73 | 100.68 | 4.42 | 41.64 | 1.18 | 52.95 | 8.06 | 0.23 |
| 28/03/2020 02:53 | 1.1 | 274.25 | 29.72 | 100.64 | 4.44 | 41.75 | 1.18 | 53.01 | 8.06 | 0.23 |
| 28/03/2020 02:54 | 1.1 | 274.25 | 29.73 | 100.68 | 4.41 | 41.58 | 1.18 | 52.89 | 8.05 | 0.23 |
| 28/03/2020 02:55 | 1.1 | 274.25 | 29.73 | 100.68 | 4.4 | 41.52 | 1.18 | 52.61 | 8.03 | 0.23 |
| 28/03/2020 02:56 | 1.1 | 274.25 | 29.73 | 100.68 | 4.42 | 41.64 | 1.18 | 52.8 | 8.05 | 0.23 |
| 28/03/2020 02:57 | 1.1 | 274.25 | 29.73 | 100.68 | 4.42 | 41.64 | 1.18 | 52.67 | 8.04 | 0.23 |
| 28/03/2020 02:58 | 1.1 | 274.25 | 29.73 | 100.68 | 4.41 | 41.58 | 1.18 | 52.26 | 8.01 | 0.23 |
| 28/03/2020 02:59 | 1.1 | 274.25 | 29.73 | 100.68 | 4.43 | 41.7 | 1.18 | 52.94 | 8.06 | 0.23 |
| 28/03/2020 03:00 | 1.1 | 274.25 | 29.73 | 100.68 | 4.39 | 41.46 | 1.17 | 52.61 | 8.03 | 0.23 |
| 28/03/2020 03:01 | 1.1 | 274.25 | 29.72 | 100.64 | 4.38 | 41.39 | 1.17 | 52.33 | 8.01 | 0.23 |
| 28/03/2020 03:02 | 1.1 | 274.25 | 29.73 | 100.68 | 4.41 | 41.58 | 1.18 | 52.86 | 8.05 | 0.23 |
| 28/03/2020 03:03 | 1.1 | 274.25 | 29.73 | 100.68 | 4.39 | 41.46 | 1.17 | 52.01 | 7.99 | 0.23 |
| 28/03/2020 03:04 | 1.1 | 274.25 | 29.72 | 100.64 | 4.4 | 41.51 | 1.18 | 52.69 | 8.04 | 0.23 |
| 28/03/2020 03:05 | 1.2 | 274.35 | 29.72 | 100.64 | 4.43 | 41.68 | 1.18 | 52.97 | 8.06 | 0.23 |
| 28/03/2020 03:06 | 1.2 | 274.35 | 29.72 | 100.64 | 4.38 | 41.38 | 1.17 | 52.88 | 8.05 | 0.23 |
| 28/03/2020 03:07 | 1.2 | 274.35 | 29.72 | 100.64 | 4.41 | 41.56 | 1.18 | 52.05 | 7.99 | 0.23 |
| 28/03/2020 03:08 | 1.2 | 274.35 | 29.72 | 100.64 | 4.43 | 41.68 | 1.18 | 52.73 | 8.04 | 0.23 |
| 28/03/2020 03:09 | 1.2 | 274.35 | 29.72 | 100.64 | 4.41 | 41.56 | 1.18 | 52.8 | 8.04 | 0.23 |
| 28/03/2020 03:10 | 1.2 | 274.35 | 29.72 | 100.64 | 4.46 | 41.86 | 1.19 | 52.84 | 8.05 | 0.23 |
| 28/03/2020 03:11 | 1.2 | 274.35 | 29.72 | 100.64 | 4.43 | 41.68 | 1.18 | 52.59 | 8.03 | 0.23 |
| 28/03/2020 03:12 | 1.2 | 274.35 | 29.72 | 100.64 | 4.42 | 41.62 | 1.18 | 52.49 | 8.02 | 0.23 |
| 28/03/2020 03:13 | 1.2 | 274.35 | 29.72 | 100.64 | 4.37 | 41.32 | 1.17 | 52.82 | 8.05 | 0.23 |
| 28/03/2020 03:14 | 1.2 | 274.35 | 29.71 | 100.61 | 4.43 | 41.68 | 1.18 | 52.74 | 8.04 | 0.23 |
| 28/03/2020 03:15 | 1.2 | 274.35 | 29.71 | 100.61 | 4.4 | 41.5 | 1.18 | 52.41 | 8.02 | 0.23 |
| 28/03/2020 03:16 | 1.2 | 274.35 | 29.71 | 100.61 | 4.41 | 41.56 | 1.18 | 52.98 | 8.06 | 0.23 |
| 28/03/2020 03:17 | 1.2 | 274.35 | 29.71 | 100.61 | 4.43 | 41.68 | 1.18 | 52.83 | 8.05 | 0.23 |
| 28/03/2020 03:18 | 1.2 | 274.35 | 29.71 | 100.61 | 4.39 | 41.44 | 1.17 | 52.73 | 8.04 | 0.23 |
| 28/03/2020 03:19 | 1.2 | 274.35 | 29.71 | 100.61 | 4.43 | 41.68 | 1.18 | 52.04 | 7.99 | 0.23 |
| 28/03/2020 03:20 | 1.2 | 274.35 | 29.71 | 100.61 | 4.44 | 41.73 | 1.18 | 52.23 | 8 | 0.23 |
| 28/03/2020 03:21 | 1.2 | 274.35 | 29.71 | 100.61 | 4.45 | 41.79 | 1.18 | 52.73 | 8.04 | 0.23 |
| 28/03/2020 03:22 | 1.2 | 274.35 | 29.71 | 100.61 | 4.44 | 41.73 | 1.18 | 52.74 | 8.04 | 0.23 |
| 28/03/2020 03:23 | 1.3 | 274.45 | 29.71 | 100.61 | 4.37 | 41.31 | 1.17 | 52.68 | 8.03 | 0.23 |
| 28/03/2020 03:24 | 1.3 | 274.45 | 29.71 | 100.61 | 4.39 | 41.43 | 1.17 | 52.44 | 8.02 | 0.23 |
| 28/03/2020 03:25 | 1.3 | 274.45 | 29.71 | 100.61 | 4.43 | 41.67 | 1.18 | 51.15 | 7.93 | 0.22 |
| 28/03/2020 03:26 | 1.3 | 274.45 | 29.71 | 100.61 | 4.41 | 41.55 | 1.18 | 52.26 | 8 | 0.23 |
| 28/03/2020 03:27 | 1.3 | 274.45 | 29.71 | 100.61 | 4.45 | 41.78 | 1.18 | 51.78 | 7.97 | 0.23 |
| 28/03/2020 03:28 | 1.3 | 274.45 | 29.71 | 100.61 | 4.4 | 41.49 | 1.17 | 52.78 | 8.04 | 0.23 |
| 28/03/2020 03:29 | 1.3 | 274.45 | 29.71 | 100.61 | 4.42 | 41.61 | 1.18 | 52.87 | 8.05 | 0.23 |
| 28/03/2020 03:30 | 1.3 | 274.45 | 29.7 | 100.58 | 4.41 | 41.54 | 1.18 | 52.31 | 8.01 | 0.23 |
| 28/03/2020 03:31 | 1.3 | 274.45 | 29.7 | 100.58 | 4.39 | 41.42 | 1.17 | 52.02 | 7.99 | 0.23 |
| 28/03/2020 03:32 | 1.3 | 274.45 | 29.7 | 100.58 | 4.44 | 41.72 | 1.18 | 52.21 | 8 | 0.23 |
| 28/03/2020 03:33 | 1.3 | 274.45 | 29.7 | 100.58 | 4.41 | 41.54 | 1.18 | 51.85 | 7.97 | 0.23 |
| 28/03/2020 03:34 | 1.4 | 274.55 | 29.71 | 100.61 | 4.43 | 41.66 | 1.18 | 52.9 | 8.05 | 0.23 |
| 28/03/2020 03:35 | 1.4 | 274.55 | 29.71 | 100.61 | 4.42 | 41.6 | 1.18 | 51.96 | 7.98 | 0.23 |
| 28/03/2020 03:36 | 1.4 | 274.55 | 29.7 | 100.58 | 4.43 | 41.65 | 1.18 | 52.16 | 7.99 | 0.23 |
| 28/03/2020 03:37 | 1.4 | 274.55 | 29.7 | 100.58 | 4.41 | 41.53 | 1.18 | 52.21 | 8 | 0.23 |
| 28/03/2020 03:38 | 1.4 | 274.55 | 29.7 | 100.58 | 4.4 | 41.47 | 1.17 | 52.49 | 8.02 | 0.23 |
| 28/03/2020 03:39 | 1.4 | 274.55 | 29.7 | 100.58 | 4.44 | 41.71 | 1.18 | 52.34 | 8.01 | 0.23 |
| 28/03/2020 03:40 | 1.4 | 274.55 | 29.7 | 100.58 | 4.42 | 41.59 | 1.18 | 52.53 | 8.02 | 0.23 |
| 28/03/2020 03:41 | 1.4 | 274.55 | 29.7 | 100.58 | 4.39 | 41.41 | 1.17 | 52.1 | 7.99 | 0.23 |
| 28/03/2020 03:42 | 1.4 | 274.55 | 29.7 | 100.58 | 4.41 | 41.53 | 1.18 | 52.75 | 8.04 | 0.23 |
| 28/03/2020 03:43 | 1.4 | 274.55 | 29.7 | 100.58 | 4.38 | 41.35 | 1.17 | 52.33 | 8.01 | 0.23 |
| 28/03/2020 03:44 | 1.5 | 274.65 | 29.7 | 100.58 | 4.37 | 41.28 | 1.17 | 51.84 | 7.97 | 0.23 |
| 28/03/2020 03:45 | 1.5 | 274.65 | 29.7 | 100.58 | 4.35 | 41.16 | 1.17 | 52.45 | 8.01 | 0.23 |
| 28/03/2020 03:46 | 1.5 | 274.65 | 29.7 | 100.58 | 4.4 | 41.46 | 1.17 | 52.15 | 7.99 | 0.23 |
| 28/03/2020 03:47 | 1.6 | 274.75 | 29.7 | 100.58 | 4.37 | 41.27 | 1.17 | 52.6 | 8.02 | 0.23 |
| 28/03/2020 03:48 | 1.5 | 274.65 | 29.7 | 100.58 | 4.42 | 41.58 | 1.18 | 52.05 | 7.99 | 0.23 |
| 28/03/2020 03:49 | 1.5 | 274.65 | 29.69 | 100.54 | 4.41 | 41.51 | 1.18 | 51.76 | 7.96 | 0.23 |
| 28/03/2020 03:50 | 1.5 | 274.65 | 29.7 | 100.58 | 4.4 | 41.46 | 1.17 | 52.34 | 8.01 | 0.23 |
| 28/03/2020 03:51 | 1.5 | 274.65 | 29.69 | 100.54 | 4.41 | 41.51 | 1.18 | 52.56 | 8.02 | 0.23 |
| 28/03/2020 03:52 | 1.5 | 274.65 | 29.69 | 100.54 | 4.4 | 41.45 | 1.17 | 52.21 | 8 | 0.23 |
| 28/03/2020 03:53 | 1.5 | 274.65 | 29.69 | 100.54 | 4.41 | 41.51 | 1.18 | 52.48 | 8.01 | 0.23 |
| 28/03/2020 03:54 | 1.5 | 274.65 | 29.69 | 100.54 | 4.44 | 41.69 | 1.18 | 51.85 | 7.97 | 0.23 |
| 28/03/2020 03:55 | 1.5 | 274.65 | 29.7 | 100.58 | 4.4 | 41.46 | 1.17 | 51.81 | 7.97 | 0.23 |
| 28/03/2020 03:56 | 1.5 | 274.65 | 29.7 | 100.58 | 4.4 | 41.46 | 1.17 | 52.12 | 7.99 | 0.23 |
| 28/03/2020 03:57 | 1.5 | 274.65 | 29.7 | 100.58 | 4.43 | 41.64 | 1.18 | 52.06 | 7.99 | 0.23 |
| 28/03/2020 03:58 | 1.5 | 274.65 | 29.7 | 100.58 | 4.36 | 41.22 | 1.17 | 52.42 | 8.01 | 0.23 |
| 28/03/2020 03:59 | 1.5 | 274.65 | 29.7 | 100.58 | 4.4 | 41.46 | 1.17 | 52.11 | 7.99 | 0.23 |
| 28/03/2020 04:00 | 1.5 | 274.65 | 29.7 | 100.58 | 4.38 | 41.34 | 1.17 | 51.86 | 7.97 | 0.23 |
| 28/03/2020 04:01 | 1.6 | 274.75 | 29.7 | 100.58 | 4.43 | 41.63 | 1.18 | 51.56 | 7.95 | 0.23 |
| 28/03/2020 04:02 | 1.5 | 274.65 | 29.7 | 100.58 | 4.4 | 41.46 | 1.17 | 50.94 | 7.91 | 0.22 |
| 28/03/2020 04:03 | 1.6 | 274.75 | 29.7 | 100.58 | 4.46 | 41.81 | 1.18 | 51.16 | 7.92 | 0.22 |
| 28/03/2020 04:04 | 1.6 | 274.75 | 29.69 | 100.54 | 4.42 | 41.56 | 1.18 | 51.81 | 7.97 | 0.23 |
| 28/03/2020 04:05 | 1.6 | 274.75 | 29.69 | 100.54 | 4.4 | 41.44 | 1.17 | 52.41 | 8.01 | 0.23 |
| 28/03/2020 04:06 | 1.6 | 274.75 | 29.69 | 100.54 | 4.41 | 41.5 | 1.18 | 51.76 | 7.96 | 0.23 |
| 28/03/2020 04:07 | 1.6 | 274.75 | 29.69 | 100.54 | 4.44 | 41.68 | 1.18 | 51.64 | 7.95 | 0.23 |
| 28/03/2020 04:08 | 1.6 | 274.75 | 29.69 | 100.54 | 4.38 | 41.32 | 1.17 | 52.19 | 7.99 | 0.23 |

Station: RofD Rundle Periodically: 28/03/2020 00:00-28/03/2020 23:59 Type: AVG 1 Min. [1 Min.]

| | | | Courtice | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date & Time | Temperature - Ambient | Temperature - Ambient | Pressure | Pressure | Hi-Vol Pressure | HiVol | | PUF Pressure | PUF | |
| | C° | K° | in HG | kPa | in H20 | cfm | m3 | in H20 | cfm | m3 |
| 28/03/2020 04:09 | 1.6 | 274.75 | 29.69 | 100.54 | 4.35 | 41.14 | 1.16 | 51.83 | 7.97 | 0.23 |
| 28/03/2020 04:10 | 1.6 | 274.75 | 29.68 | 100.51 | 4.41 | 41.49 | 1.17 | 51.78 | 7.96 | 0.23 |
| 28/03/2020 04:11 | 1.6 | 274.75 | 29.68 | 100.51 | 4.42 | 41.55 | 1.18 | 51.5 | 7.94 | 0.22 |
| 28/03/2020 04:12 | 1.6 | 274.75 | 29.68 | 100.51 | 4.42 | 41.55 | 1.18 | 51.41 | 7.94 | 0.22 |
| 28/03/2020 04:13 | 1.6 | 274.75 | 29.68 | 100.51 | 4.41 | 41.49 | 1.17 | 51.83 | 7.97 | 0.23 |
| 28/03/2020 04:14 | 1.6 | 274.75 | 29.68 | 100.51 | 4.43 | 41.61 | 1.18 | 51.64 | 7.95 | 0.23 |
| 28/03/2020 04:15 | 1.6 | 274.75 | 29.68 | 100.51 | 4.38 | 41.31 | 1.17 | 51.68 | 7.96 | 0.23 |
| 28/03/2020 04:16 | 1.6 | 274.75 | 29.68 | 100.51 | 4.43 | 41.61 | 1.18 | 52.08 | 7.98 | 0.23 |
| 28/03/2020 04:17 | 1.6 | 274.75 | 29.67 | 100.47 | 4.4 | 41.42 | 1.17 | 51.95 | 7.97 | 0.23 |
| 28/03/2020 04:18 | 1.6 | 274.75 | 29.67 | 100.47 | 4.41 | 41.48 | 1.17 | 51.9 | 7.97 | 0.23 |
| 28/03/2020 04:19 | 1.7 | 274.85 | 29.68 | 100.51 | 4.41 | 41.48 | 1.17 | 51.76 | 7.96 | 0.23 |
| 28/03/2020 04:20 | 1.7 | 274.85 | 29.68 | 100.51 | 4.43 | 41.6 | 1.18 | 51.83 | 7.96 | 0.23 |
| 28/03/2020 04:21 | 1.7 | 274.85 | 29.68 | 100.51 | 4.4 | 41.42 | 1.17 | 51.27 | 7.93 | 0.22 |
| 28/03/2020 04:22 | 1.7 | 274.85 | 29.68 | 100.51 | 4.44 | 41.66 | 1.18 | 51.36 | 7.93 | 0.22 |
| 28/03/2020 04:23 | 1.7 | 274.85 | 29.68 | 100.51 | 4.4 | 41.42 | 1.17 | 51.56 | 7.95 | 0.23 |
| 28/03/2020 04:24 | 1.7 | 274.85 | 29.68 | 100.51 | 4.41 | 41.48 | 1.17 | 51.74 | 7.96 | 0.23 |
| 28/03/2020 04:25 | 1.8 | 274.95 | 29.68 | 100.51 | 4.37 | 41.23 | 1.17 | 51.15 | 7.92 | 0.22 |
| 28/03/2020 04:26 | 1.7 | 274.85 | 29.68 | 100.51 | 4.42 | 41.54 | 1.18 | 51.36 | 7.93 | 0.22 |
| 28/03/2020 04:27 | 1.7 | 274.85 | 29.68 | 100.51 | 4.42 | 41.54 | 1.18 | 51.47 | 7.94 | 0.22 |
| 28/03/2020 04:28 | 1.8 | 274.95 | 29.68 | 100.51 | 4.42 | 41.53 | 1.18 | 51.5 | 7.94 | 0.22 |
| 28/03/2020 04:29 | 1.8 | 274.95 | 29.68 | 100.51 | 4.41 | 41.47 | 1.17 | 51.37 | 7.93 | 0.22 |
| 28/03/2020 04:30 | 1.8 | 274.95 | 29.68 | 100.51 | 4.41 | 41.47 | 1.17 | 51.11 | 7.91 | 0.22 |
| 28/03/2020 04:31 | 1.8 | 274.95 | 29.68 | 100.51 | 4.45 | 41.71 | 1.18 | 51.53 | 7.94 | 0.22 |
| 28/03/2020 04:32 | 1.8 | 274.95 | 29.68 | 100.51 | 4.41 | 41.47 | 1.17 | 51.42 | 7.93 | 0.22 |
| 28/03/2020 04:33 | 1.8 | 274.95 | 29.68 | 100.51 | 4.45 | 41.71 | 1.18 | 51.55 | 7.94 | 0.22 |
| 28/03/2020 04:34 | 1.8 | 274.95 | 29.68 | 100.51 | 4.42 | 41.53 | 1.18 | 51.11 | 7.91 | 0.22 |
| 28/03/2020 04:35 | 1.8 | 274.95 | 29.68 | 100.51 | 4.42 | 41.53 | 1.18 | 51.39 | 7.93 | 0.22 |
| 28/03/2020 04:36 | 1.8 | 274.95 | 29.68 | 100.51 | 4.43 | 41.59 | 1.18 | 51.45 | 7.94 | 0.22 |
| 28/03/2020 04:37 | 1.8 | 274.95 | 29.68 | 100.51 | 4.44 | 41.65 | 1.18 | 51.55 | 7.94 | 0.22 |
| 28/03/2020 04:38 | 1.8 | 274.95 | 29.68 | 100.51 | 4.42 | 41.53 | 1.18 | 51.69 | 7.95 | 0.23 |
| 28/03/2020 04:39 | 1.8 | 274.95 | 29.68 | 100.51 | 4.41 | 41.47 | 1.17 | 51.08 | 7.91 | 0.22 |
| 28/03/2020 04:40 | 1.8 | 274.95 | 29.68 | 100.51 | 4.41 | 41.47 | 1.17 | 51.42 | 7.93 | 0.22 |
| 28/03/2020 04:41 | 1.8 | 274.95 | 29.69 | 100.54 | 4.44 | 41.66 | 1.18 | 51.21 | 7.92 | 0.22 |
| 28/03/2020 04:42 | 1.8 | 274.95 | 29.69 | 100.54 | 4.42 | 41.54 | 1.18 | 51.4 | 7.93 | 0.22 |
| 28/03/2020 04:43 | 1.9 | 275.05 | 29.69 | 100.54 | 4.35 | 41.11 | 1.16 | 49.4 | 7.79 | 0.22 |
| 28/03/2020 04:44 | 1.9 | 275.05 | 29.69 | 100.54 | 4.39 | 41.35 | 1.17 | 50.88 | 7.9 | 0.22 |
| 28/03/2020 04:45 | 1.9 | 275.05 | 29.69 | 100.54 | 4.39 | 41.35 | 1.17 | 51.2 | 7.92 | 0.22 |
| 28/03/2020 04:46 | 1.9 | 275.05 | 29.69 | 100.54 | 4.38 | 41.29 | 1.17 | 51.19 | 7.92 | 0.22 |
| 28/03/2020 04:47 | 1.9 | 275.05 | 29.69 | 100.54 | 4.4 | 41.41 | 1.17 | 51.58 | 7.95 | 0.23 |
| 28/03/2020 04:48 | 1.9 | 275.05 | 29.7 | 100.58 | 4.36 | 41.18 | 1.17 | 50.77 | 7.89 | 0.22 |
| 28/03/2020 04:49 | 1.9 | 275.05 | 29.7 | 100.58 | 4.37 | 41.24 | 1.17 | 50.46 | 7.87 | 0.22 |
| 28/03/2020 04:50 | 1.9 | 275.05 | 29.7 | 100.58 | 4.41 | 41.48 | 1.17 | 51.67 | 7.95 | 0.23 |
| 28/03/2020 04:51 | 1.9 | 275.05 | 29.7 | 100.58 | 4.39 | 41.36 | 1.17 | 50.91 | 7.9 | 0.22 |
| 28/03/2020 04:52 | 1.9 | 275.05 | 29.7 | 100.58 | 4.4 | 41.42 | 1.17 | 50.36 | 7.86 | 0.22 |
| 28/03/2020 04:53 | 1.9 | 275.05 | 29.69 | 100.54 | 4.35 | 41.11 | 1.16 | 51.27 | 7.92 | 0.22 |
| 28/03/2020 04:54 | 1.9 | 275.05 | 29.69 | 100.54 | 4.39 | 41.35 | 1.17 | 51.03 | 7.91 | 0.22 |
| 28/03/2020 04:55 | 1.9 | 275.05 | 29.69 | 100.54 | 4.39 | 41.35 | 1.17 | 51.19 | 7.92 | 0.22 |
| 28/03/2020 04:56 | 1.9 | 275.05 | 29.69 | 100.54 | 4.41 | 41.47 | 1.17 | 51.17 | 7.92 | 0.22 |
| 28/03/2020 04:57 | 1.9 | 275.05 | 29.69 | 100.54 | 4.36 | 41.17 | 1.17 | 51.23 | 7.92 | 0.22 |
| 28/03/2020 04:58 | 1.9 | 275.05 | 29.69 | 100.54 | 4.4 | 41.41 | 1.17 | 50.75 | 7.89 | 0.22 |
| 28/03/2020 04:59 | 1.9 | 275.05 | 29.69 | 100.54 | 4.38 | 41.29 | 1.17 | 51.12 | 7.91 | 0.22 |
| 28/03/2020 05:00 | 2 | 275.15 | 29.7 | 100.58 | 4.35 | 41.11 | 1.16 | 51.02 | 7.91 | 0.22 |
| 28/03/2020 05:01 | 2 | 275.15 | 29.7 | 100.58 | 4.41 | 41.47 | 1.17 | 51.5 | 7.94 | 0.22 |
| 28/03/2020 05:02 | 2 | 275.15 | 29.7 | 100.58 | 4.44 | 41.65 | 1.18 | 50.49 | 7.87 | 0.22 |
| 28/03/2020 05:03 | 2 | 275.15 | 29.7 | 100.58 | 4.41 | 41.47 | 1.17 | 50.53 | 7.87 | 0.22 |
| 28/03/2020 05:04 | 2 | 275.15 | 29.7 | 100.58 | 4.39 | 41.35 | 1.17 | 51.33 | 7.93 | 0.22 |
| 28/03/2020 05:05 | 2 | 275.15 | 29.7 | 100.58 | 4.4 | 41.41 | 1.17 | 50.94 | 7.9 | 0.22 |
| 28/03/2020 05:06 | 2 | 275.15 | 29.69 | 100.54 | 4.37 | 41.22 | 1.17 | 51.11 | 7.91 | 0.22 |
| 28/03/2020 05:07 | 2 | 275.15 | 29.69 | 100.54 | 4.39 | 41.34 | 1.17 | 51.18 | 7.92 | 0.22 |
| 28/03/2020 05:08 | 2 | 275.15 | 29.69 | 100.54 | 4.43 | 41.58 | 1.18 | 51.64 | 7.95 | 0.23 |
| 28/03/2020 05:09 | 2 | 275.15 | 29.69 | 100.54 | 4.4 | 41.4 | 1.17 | 50.86 | 7.89 | 0.22 |
| 28/03/2020 05:10 | 2.1 | 275.25 | 29.69 | 100.54 | 4.39 | 41.33 | 1.17 | 50.51 | 7.87 | 0.22 |
| 28/03/2020 05:11 | 2.1 | 275.25 | 29.69 | 100.54 | 4.42 | 41.51 | 1.18 | 50.82 | 7.89 | 0.22 |
| 28/03/2020 05:12 | 2.1 | 275.25 | 29.69 | 100.54 | 4.43 | 41.57 | 1.18 | 51 | 7.9 | 0.22 |
| 28/03/2020 05:13 | 2.1 | 275.25 | 29.69 | 100.54 | 4.42 | 41.51 | 1.18 | 51.17 | 7.91 | 0.22 |
| 28/03/2020 05:14 | 2.1 | 275.25 | 29.69 | 100.54 | 4.39 | 41.33 | 1.17 | 51.23 | 7.92 | 0.22 |
| 28/03/2020 05:15 | 2.1 | 275.25 | 29.69 | 100.54 | 4.39 | 41.33 | 1.17 | 51.24 | 7.92 | 0.22 |
| 28/03/2020 05:16 | 2.1 | 275.25 | 29.69 | 100.54 | 4.42 | 41.51 | 1.18 | 51.51 | 7.94 | 0.22 |
| 28/03/2020 05:17 | 2.1 | 275.25 | 29.69 | 100.54 | 4.4 | 41.39 | 1.17 | 50.48 | 7.87 | 0.22 |
| 28/03/2020 05:18 | 2.1 | 275.25 | 29.69 | 100.54 | 4.37 | 41.21 | 1.17 | 51.33 | 7.93 | 0.22 |
| 28/03/2020 05:19 | 2.1 | 275.25 | 29.69 | 100.54 | 4.41 | 41.45 | 1.17 | 51.08 | 7.91 | 0.22 |
| 28/03/2020 05:20 | 2.1 | 275.25 | 29.69 | 100.54 | 4.44 | 41.63 | 1.18 | 50.68 | 7.88 | 0.22 |
| 28/03/2020 05:21 | 2.1 | 275.25 | 29.69 | 100.54 | 4.35 | 41.09 | 1.16 | 50.16 | 7.84 | 0.22 |
| 28/03/2020 05:22 | 2.1 | 275.25 | 29.69 | 100.54 | 4.4 | 41.39 | 1.17 | 51.01 | 7.9 | 0.22 |
| 28/03/2020 05:23 | 2 | 275.15 | 29.69 | 100.54 | 4.37 | 41.22 | 1.17 | 50.95 | 7.9 | 0.22 |
| 28/03/2020 05:24 | 2.1 | 275.25 | 29.69 | 100.54 | 4.4 | 41.39 | 1.17 | 51.17 | 7.91 | 0.22 |
| 28/03/2020 05:25 | 2.1 | 275.25 | 29.69 | 100.54 | 4.4 | 41.39 | 1.17 | 49.44 | 7.79 | 0.22 |
| 28/03/2020 05:26 | 2.1 | 275.25 | 29.69 | 100.54 | 4.4 | 41.39 | 1.17 | 50.68 | 7.88 | 0.22 |
| 28/03/2020 05:27 | 2.1 | 275.25 | 29.68 | 100.51 | 4.36 | 41.15 | 1.17 | 50.87 | 7.89 | 0.22 |
| 28/03/2020 05:28 | 2.1 | 275.25 | 29.68 | 100.51 | 4.41 | 41.44 | 1.17 | 50.56 | 7.87 | 0.22 |
| 28/03/2020 05:29 | 2.1 | 275.25 | 29.68 | 100.51 | 4.43 | 41.56 | 1.18 | 51.21 | 7.92 | 0.22 |
| 28/03/2020 05:30 | 2 | 275.15 | 29.68 | 100.51 | 4.42 | 41.51 | 1.18 | 51.03 | 7.9 | 0.22 |
| 28/03/2020 05:31 | 2 | 275.15 | 29.68 | 100.51 | 4.39 | 41.33 | 1.17 | 50.65 | 7.88 | 0.22 |

Station: RofD Rundle Periodically: 28/03/2020 00:00-28/03/2020 23:59 Type: AVG 1 Min. [1 Min.]

| | | | Courtice | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date & Time | Temperature - Ambient | Temperature - Ambient | Pressure | Pressure | Hi-Vol Pressure | HiVol | | PUF Pressure | PUF | |
| | C° | K° | in HG | kPa | in H20 | cfm | m3 | in H20 | cfm | m3 |
| 28/03/2020 05:32 | 2 | 275.15 | 29.68 | 100.51 | 4.41 | 41.45 | 1.17 | 50.57 | 7.87 | 0.22 |
| 28/03/2020 05:33 | 2 | 275.15 | 29.68 | 100.51 | 4.4 | 41.39 | 1.17 | 49.81 | 7.82 | 0.22 |
| 28/03/2020 05:34 | 2 | 275.15 | 29.68 | 100.51 | 4.41 | 41.45 | 1.17 | 50.46 | 7.86 | 0.22 |
| 28/03/2020 05:35 | 2 | 275.15 | 29.68 | 100.51 | 4.4 | 41.39 | 1.17 | 50.46 | 7.86 | 0.22 |
| 28/03/2020 05:36 | 2 | 275.15 | 29.68 | 100.51 | 4.41 | 41.45 | 1.17 | 50.87 | 7.89 | 0.22 |
| 28/03/2020 05:37 | 2 | 275.15 | 29.68 | 100.51 | 4.42 | 41.51 | 1.18 | 50.62 | 7.88 | 0.22 |
| 28/03/2020 05:38 | 2 | 275.15 | 29.68 | 100.51 | 4.34 | 41.04 | 1.16 | 50.66 | 7.88 | 0.22 |
| 28/03/2020 05:39 | 2 | 275.15 | 29.68 | 100.51 | 4.43 | 41.57 | 1.18 | 50.7 | 7.88 | 0.22 |
| 28/03/2020 05:40 | 2.1 | 275.25 | 29.68 | 100.51 | 4.36 | 41.15 | 1.17 | 50.67 | 7.88 | 0.22 |
| 28/03/2020 05:41 | 2.1 | 275.25 | 29.68 | 100.51 | 4.43 | 41.56 | 1.18 | 50.17 | 7.84 | 0.22 |
| 28/03/2020 05:42 | 2 | 275.15 | 29.68 | 100.51 | 4.4 | 41.39 | 1.17 | 51.55 | 7.94 | 0.22 |
| 28/03/2020 05:43 | 2.1 | 275.25 | 29.68 | 100.51 | 4.38 | 41.27 | 1.17 | 51.11 | 7.91 | 0.22 |
| 28/03/2020 05:44 | 2.1 | 275.25 | 29.68 | 100.51 | 4.42 | 41.5 | 1.18 | 51.36 | 7.93 | 0.22 |
| 28/03/2020 05:45 | 2.1 | 275.25 | 29.68 | 100.51 | 4.43 | 41.56 | 1.18 | 51.19 | 7.91 | 0.22 |
| 28/03/2020 05:46 | 2.1 | 275.25 | 29.68 | 100.51 | 4.41 | 41.44 | 1.17 | 50.25 | 7.85 | 0.22 |
| 28/03/2020 05:47 | 2.1 | 275.25 | 29.68 | 100.51 | 4.4 | 41.38 | 1.17 | 50.44 | 7.86 | 0.22 |
| 28/03/2020 05:48 | 2.2 | 275.35 | 29.68 | 100.51 | 4.38 | 41.26 | 1.17 | 51.14 | 7.91 | 0.22 |
| 28/03/2020 05:49 | 2.2 | 275.35 | 29.68 | 100.51 | 4.39 | 41.32 | 1.17 | 50.89 | 7.89 | 0.22 |
| 28/03/2020 05:50 | 2.2 | 275.35 | 29.68 | 100.51 | 4.36 | 41.14 | 1.16 | 50.02 | 7.83 | 0.22 |
| 28/03/2020 05:51 | 2.2 | 275.35 | 29.68 | 100.51 | 4.39 | 41.32 | 1.17 | 50.85 | 7.89 | 0.22 |
| 28/03/2020 05:52 | 2.2 | 275.35 | 29.69 | 100.54 | 4.4 | 41.38 | 1.17 | 50.64 | 7.88 | 0.22 |
| 28/03/2020 05:53 | 2.2 | 275.35 | 29.69 | 100.54 | 4.37 | 41.2 | 1.17 | 51.15 | 7.91 | 0.22 |
| 28/03/2020 05:54 | 2.2 | 275.35 | 29.69 | 100.54 | 4.4 | 41.38 | 1.17 | 50.78 | 7.89 | 0.22 |
| 28/03/2020 05:55 | 2.2 | 275.35 | 29.69 | 100.54 | 4.38 | 41.26 | 1.17 | 50.86 | 7.89 | 0.22 |
| 28/03/2020 05:56 | 2.2 | 275.35 | 29.69 | 100.54 | 4.44 | 41.62 | 1.18 | 51.2 | 7.92 | 0.22 |
| 28/03/2020 05:57 | 2.3 | 275.45 | 29.7 | 100.58 | 4.4 | 41.38 | 1.17 | 50.8 | 7.89 | 0.22 |
| 28/03/2020 05:58 | 2.3 | 275.45 | 29.69 | 100.54 | 4.39 | 41.31 | 1.17 | 51.25 | 7.92 | 0.22 |
| 28/03/2020 05:59 | 2.3 | 275.45 | 29.69 | 100.54 | 4.42 | 41.49 | 1.17 | 51.32 | 7.92 | 0.22 |
| 28/03/2020 06:00 | 2.3 | 275.45 | 29.69 | 100.54 | 4.42 | 41.49 | 1.17 | 51.14 | 7.91 | 0.22 |
| 28/03/2020 06:01 | 2.3 | 275.45 | 29.69 | 100.54 | 4.37 | 41.19 | 1.17 | 50.83 | 7.89 | 0.22 |
| 28/03/2020 06:02 | 2.3 | 275.45 | 29.69 | 100.54 | 4.36 | 41.13 | 1.16 | 51.32 | 7.92 | 0.22 |
| 28/03/2020 06:03 | 2.3 | 275.45 | 29.69 | 100.54 | 4.46 | 41.73 | 1.18 | 50.6 | 7.87 | 0.22 |
| 28/03/2020 06:04 | 2.3 | 275.45 | 29.69 | 100.54 | 4.4 | 41.37 | 1.17 | 50.69 | 7.88 | 0.22 |
| 28/03/2020 06:05 | 2.3 | 275.45 | 29.69 | 100.54 | 4.36 | 41.13 | 1.16 | 51.15 | 7.91 | 0.22 |
| 28/03/2020 06:06 | 2.4 | 275.55 | 29.69 | 100.54 | 4.39 | 41.3 | 1.17 | 50.88 | 7.89 | 0.22 |
| 28/03/2020 06:07 | 2.4 | 275.55 | 29.69 | 100.54 | 4.37 | 41.18 | 1.17 | 50.31 | 7.85 | 0.22 |
| 28/03/2020 06:08 | 2.4 | 275.55 | 29.69 | 100.54 | 4.4 | 41.36 | 1.17 | 50.73 | 7.88 | 0.22 |
| 28/03/2020 06:09 | 2.4 | 275.55 | 29.69 | 100.54 | 4.37 | 41.18 | 1.17 | 51.53 | 7.94 | 0.22 |
| 28/03/2020 06:10 | 2.4 | 275.55 | 29.69 | 100.54 | 4.37 | 41.18 | 1.17 | 51.03 | 7.9 | 0.22 |
| 28/03/2020 06:11 | 2.4 | 275.55 | 29.68 | 100.51 | 4.37 | 41.18 | 1.17 | 50.64 | 7.87 | 0.22 |
| 28/03/2020 06:12 | 2.4 | 275.55 | 29.68 | 100.51 | 4.4 | 41.36 | 1.17 | 50.88 | 7.89 | 0.22 |
| 28/03/2020 06:13 | 2.4 | 275.55 | 29.69 | 100.54 | 4.38 | 41.24 | 1.17 | 50.78 | 7.88 | 0.22 |
| 28/03/2020 06:14 | 2.4 | 275.55 | 29.68 | 100.51 | 4.38 | 41.24 | 1.17 | 51.22 | 7.91 | 0.22 |
| 28/03/2020 06:15 | 2.4 | 275.55 | 29.68 | 100.51 | 4.39 | 41.3 | 1.17 | 49.66 | 7.8 | 0.22 |
| 28/03/2020 06:16 | 2.4 | 275.55 | 29.68 | 100.51 | 4.41 | 41.42 | 1.17 | 50.33 | 7.85 | 0.22 |
| 28/03/2020 06:17 | 2.4 | 275.55 | 29.68 | 100.51 | 4.4 | 41.36 | 1.17 | 50.65 | 7.87 | 0.22 |
| 28/03/2020 06:18 | 2.4 | 275.55 | 29.68 | 100.51 | 4.42 | 41.47 | 1.17 | 50.71 | 7.88 | 0.22 |
| 28/03/2020 06:19 | 2.4 | 275.55 | 29.68 | 100.51 | 4.41 | 41.42 | 1.17 | 50.26 | 7.84 | 0.22 |
| 28/03/2020 06:20 | 2.4 | 275.55 | 29.68 | 100.51 | 4.37 | 41.18 | 1.17 | 50.29 | 7.85 | 0.22 |
| 28/03/2020 06:21 | 2.5 | 275.65 | 29.68 | 100.51 | 4.39 | 41.29 | 1.17 | 50.11 | 7.83 | 0.22 |
| 28/03/2020 06:22 | 2.5 | 275.65 | 29.68 | 100.51 | 4.37 | 41.17 | 1.17 | 49.73 | 7.81 | 0.22 |
| 28/03/2020 06:23 | 2.5 | 275.65 | 29.67 | 100.47 | 4.38 | 41.22 | 1.17 | 50.28 | 7.84 | 0.22 |
| 28/03/2020 06:24 | 2.5 | 275.65 | 29.68 | 100.51 | 4.37 | 41.17 | 1.17 | 50.56 | 7.86 | 0.22 |
| 28/03/2020 06:25 | 2.5 | 275.65 | 29.67 | 100.47 | 4.36 | 41.1 | 1.16 | 50.36 | 7.85 | 0.22 |
| 28/03/2020 06:26 | 2.5 | 275.65 | 29.67 | 100.47 | 4.4 | 41.34 | 1.17 | 50.47 | 7.86 | 0.22 |
| 28/03/2020 06:27 | 2.5 | 275.65 | 29.67 | 100.47 | 4.39 | 41.28 | 1.17 | 50.53 | 7.86 | 0.22 |
| 28/03/2020 06:28 | 2.5 | 275.65 | 29.67 | 100.47 | 4.41 | 41.4 | 1.17 | 50.1 | 7.83 | 0.22 |
| 28/03/2020 06:29 | 2.6 | 275.75 | 29.67 | 100.47 | 4.39 | 41.27 | 1.17 | 49.86 | 7.81 | 0.22 |
| 28/03/2020 06:30 | 2.6 | 275.75 | 29.67 | 100.47 | 4.36 | 41.09 | 1.16 | 50.1 | 7.83 | 0.22 |
| 28/03/2020 06:31 | 2.6 | 275.75 | 29.67 | 100.47 | 4.35 | 41.03 | 1.16 | 49.99 | 7.82 | 0.22 |
| 28/03/2020 06:32 | 2.6 | 275.75 | 29.67 | 100.47 | 4.41 | 41.39 | 1.17 | 49.97 | 7.82 | 0.22 |
| 28/03/2020 06:33 | 2.6 | 275.75 | 29.67 | 100.47 | 4.41 | 41.39 | 1.17 | 49.82 | 7.81 | 0.22 |
| 28/03/2020 06:34 | 2.6 | 275.75 | 29.67 | 100.47 | 4.42 | 41.45 | 1.17 | 49.64 | 7.8 | 0.22 |
| 28/03/2020 06:35 | 2.6 | 275.75 | 29.67 | 100.47 | 4.36 | 41.09 | 1.16 | 49.57 | 7.79 | 0.22 |
| 28/03/2020 06:36 | 2.7 | 275.85 | 29.67 | 100.47 | 4.39 | 41.26 | 1.17 | 50.02 | 7.82 | 0.22 |
| 28/03/2020 06:37 | 2.7 | 275.85 | 29.67 | 100.47 | 4.4 | 41.32 | 1.17 | 50.3 | 7.84 | 0.22 |
| 28/03/2020 06:38 | 2.7 | 275.85 | 29.67 | 100.47 | 4.44 | 41.55 | 1.18 | 50.41 | 7.85 | 0.22 |
| 28/03/2020 06:39 | 2.7 | 275.85 | 29.68 | 100.51 | 4.39 | 41.27 | 1.17 | 49.72 | 7.8 | 0.22 |
| 28/03/2020 06:40 | 2.7 | 275.85 | 29.68 | 100.51 | 4.42 | 41.45 | 1.17 | 49.94 | 7.82 | 0.22 |
| 28/03/2020 06:41 | 2.8 | 275.95 | 29.68 | 100.51 | 4.35 | 41.02 | 1.16 | 50.07 | 7.83 | 0.22 |
| 28/03/2020 06:42 | 2.8 | 275.95 | 29.69 | 100.54 | 4.42 | 41.44 | 1.17 | 49.41 | 7.78 | 0.22 |
| 28/03/2020 06:43 | 2.8 | 275.95 | 29.69 | 100.54 | 4.41 | 41.39 | 1.17 | 49.99 | 7.82 | 0.22 |
| 28/03/2020 06:44 | 2.8 | 275.95 | 29.69 | 100.54 | 4.37 | 41.15 | 1.17 | 49.66 | 7.8 | 0.22 |
| 28/03/2020 06:45 | 2.8 | 275.95 | 29.69 | 100.54 | 4.41 | 41.39 | 1.17 | 49.54 | 7.79 | 0.22 |
| 28/03/2020 06:46 | 2.8 | 275.95 | 29.69 | 100.54 | 4.37 | 41.15 | 1.17 | 50.07 | 7.83 | 0.22 |
| 28/03/2020 06:47 | 2.8 | 275.95 | 29.69 | 100.54 | 4.36 | 41.09 | 1.16 | 49.25 | 7.77 | 0.22 |
| 28/03/2020 06:48 | 2.8 | 275.95 | 29.69 | 100.54 | 4.45 | 41.62 | 1.18 | 50.49 | 7.86 | 0.22 |
| 28/03/2020 06:49 | 2.8 | 275.95 | 29.69 | 100.54 | 4.39 | 41.27 | 1.17 | 50.09 | 7.83 | 0.22 |
| 28/03/2020 06:50 | 2.8 | 275.95 | 29.69 | 100.54 | 4.39 | 41.27 | 1.17 | 51.23 | 7.91 | 0.22 |
| 28/03/2020 06:51 | 2.8 | 275.95 | 29.69 | 100.54 | 4.4 | 41.33 | 1.17 | 50.66 | 7.87 | 0.22 |
| 28/03/2020 06:52 | 2.8 | 275.95 | 29.69 | 100.54 | 4.39 | 41.27 | 1.17 | 51.4 | 7.92 | 0.22 |
| 28/03/2020 06:53 | 2.8 | 275.95 | 29.69 | 100.54 | 4.38 | 41.21 | 1.17 | 50.73 | 7.87 | 0.22 |
| 28/03/2020 06:54 | 2.8 | 275.95 | 29.68 | 100.51 | 4.38 | 41.2 | 1.17 | 50.33 | 7.84 | 0.22 |

Station: RofD Rundle Periodically: 28/03/2020 00:00-28/03/2020 23:59 Type: AVG 1 Min. [1 Min.]

| | | | Courtice | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date & Time | Temperature - Ambient | Temperature - Ambient | Pressure | Pressure | Hi-Vol Pressure | HiVol | | PUF Pressure | PUF | |
| | C° | K° | in HG | kPa | in H20 | cfm | m3 | in H20 | cfm | m3 |
| 28/03/2020 06:55 | 2.8 | 275.95 | 29.68 | 100.51 | 4.38 | 41.2 | 1.17 | 51.12 | 7.9 | 0.22 |
| 28/03/2020 06:56 | 2.9 | 276.05 | 29.68 | 100.51 | 4.37 | 41.13 | 1.16 | 50.68 | 7.87 | 0.22 |
| 28/03/2020 06:57 | 2.9 | 276.05 | 29.68 | 100.51 | 4.46 | 41.66 | 1.18 | 51.1 | 7.9 | 0.22 |
| 28/03/2020 06:58 | 2.9 | 276.05 | 29.68 | 100.51 | 4.4 | 41.31 | 1.17 | 51.39 | 7.92 | 0.22 |
| 28/03/2020 06:59 | 2.9 | 276.05 | 29.68 | 100.51 | 4.41 | 41.37 | 1.17 | 50.85 | 7.88 | 0.22 |
| 28/03/2020 07:00 | 2.9 | 276.05 | 29.68 | 100.51 | 4.4 | 41.31 | 1.17 | 51.14 | 7.9 | 0.22 |
| 28/03/2020 07:01 | 2.9 | 276.05 | 29.68 | 100.51 | 4.38 | 41.19 | 1.17 | 50.77 | 7.87 | 0.22 |
| 28/03/2020 07:02 | 2.9 | 276.05 | 29.68 | 100.51 | 4.32 | 40.83 | 1.16 | 49.59 | 7.79 | 0.22 |
| 28/03/2020 07:03 | 2.8 | 275.95 | 29.68 | 100.51 | 4.4 | 41.32 | 1.17 | 49.89 | 7.81 | 0.22 |
| 28/03/2020 07:04 | 2.9 | 276.05 | 29.68 | 100.51 | 4.38 | 41.19 | 1.17 | 50.82 | 7.88 | 0.22 |
| 28/03/2020 07:05 | 2.9 | 276.05 | 29.68 | 100.51 | 4.41 | 41.37 | 1.17 | 50.67 | 7.87 | 0.22 |
| 28/03/2020 07:06 | 2.9 | 276.05 | 29.68 | 100.51 | 4.36 | 41.07 | 1.16 | 50.57 | 7.86 | 0.22 |
| 28/03/2020 07:07 | 2.9 | 276.05 | 29.68 | 100.51 | 4.41 | 41.37 | 1.17 | 51.01 | 7.89 | 0.22 |
| 28/03/2020 07:08 | 3 | 276.15 | 29.69 | 100.54 | 4.4 | 41.31 | 1.17 | 51.05 | 7.89 | 0.22 |
| 28/03/2020 07:09 | 3 | 276.15 | 29.69 | 100.54 | 4.39 | 41.25 | 1.17 | 50.99 | 7.89 | 0.22 |
| 28/03/2020 07:10 | 3 | 276.15 | 29.69 | 100.54 | 4.34 | 40.95 | 1.16 | 50.95 | 7.89 | 0.22 |
| 28/03/2020 07:11 | 3 | 276.15 | 29.69 | 100.54 | 4.41 | 41.37 | 1.17 | 51.2 | 7.9 | 0.22 |
| 28/03/2020 07:12 | 3.1 | 276.25 | 29.69 | 100.54 | 4.39 | 41.24 | 1.17 | 50.93 | 7.88 | 0.22 |
| 28/03/2020 07:13 | 3.1 | 276.25 | 29.69 | 100.54 | 4.35 | 41 | 1.16 | 50.86 | 7.88 | 0.22 |
| 28/03/2020 07:14 | 3.1 | 276.25 | 29.69 | 100.54 | 4.36 | 41.06 | 1.16 | 50.62 | 7.86 | 0.22 |
| 28/03/2020 07:15 | 3.2 | 276.35 | 29.69 | 100.54 | 4.39 | 41.23 | 1.17 | 50.57 | 7.86 | 0.22 |
| 28/03/2020 07:16 | 3.2 | 276.35 | 29.69 | 100.54 | 4.39 | 41.23 | 1.17 | 50.25 | 7.83 | 0.22 |
| 28/03/2020 07:17 | 3.3 | 276.45 | 29.69 | 100.54 | 4.39 | 41.22 | 1.17 | 50.34 | 7.84 | 0.22 |
| 28/03/2020 07:18 | 3.3 | 276.45 | 29.69 | 100.54 | 4.37 | 41.1 | 1.16 | 50.2 | 7.83 | 0.22 |
| 28/03/2020 07:19 | 3.3 | 276.45 | 29.7 | 100.58 | 4.36 | 41.05 | 1.16 | 50.72 | 7.87 | 0.22 |
| 28/03/2020 07:20 | 3.4 | 276.55 | 29.7 | 100.58 | 4.35 | 40.98 | 1.16 | 50.69 | 7.86 | 0.22 |
| 28/03/2020 07:21 | 3.4 | 276.55 | 29.7 | 100.58 | 4.38 | 41.16 | 1.17 | 50.39 | 7.84 | 0.22 |
| 28/03/2020 07:22 | 3.4 | 276.55 | 29.7 | 100.58 | 4.37 | 41.1 | 1.16 | 50.43 | 7.85 | 0.22 |
| 28/03/2020 07:23 | 3.5 | 276.65 | 29.7 | 100.58 | 4.4 | 41.27 | 1.17 | 50.38 | 7.84 | 0.22 |
| 28/03/2020 07:24 | 3.5 | 276.65 | 29.7 | 100.58 | 4.37 | 41.09 | 1.16 | 50.61 | 7.86 | 0.22 |
| 28/03/2020 07:25 | 3.5 | 276.65 | 29.7 | 100.58 | 4.39 | 41.21 | 1.17 | 50.03 | 7.82 | 0.22 |
| 28/03/2020 07:26 | 3.5 | 276.65 | 29.7 | 100.58 | 4.36 | 41.03 | 1.16 | 50.19 | 7.83 | 0.22 |
| 28/03/2020 07:27 | 3.6 | 276.75 | 29.7 | 100.58 | 4.39 | 41.2 | 1.17 | 49.95 | 7.81 | 0.22 |
| 28/03/2020 07:28 | 3.6 | 276.75 | 29.71 | 100.61 | 4.37 | 41.09 | 1.16 | 49.53 | 7.78 | 0.22 |
| 28/03/2020 07:29 | 3.6 | 276.75 | 29.71 | 100.61 | 4.37 | 41.09 | 1.16 | 49.85 | 7.8 | 0.22 |
| 28/03/2020 07:30 | 3.6 | 276.75 | 29.71 | 100.61 | 4.37 | 41.09 | 1.16 | 51.08 | 7.89 | 0.22 |
| 28/03/2020 07:31 | 3.6 | 276.75 | 29.71 | 100.61 | 4.35 | 40.97 | 1.16 | 50.22 | 7.83 | 0.22 |
| 28/03/2020 07:32 | 3.6 | 276.75 | 29.71 | 100.61 | 4.34 | 40.91 | 1.16 | 50.55 | 7.85 | 0.22 |
| 28/03/2020 07:33 | 3.7 | 276.85 | 29.71 | 100.61 | 4.41 | 41.32 | 1.17 | 50.42 | 7.84 | 0.22 |
| 28/03/2020 07:34 | 3.7 | 276.85 | 29.71 | 100.61 | 4.33 | 40.84 | 1.16 | 50.55 | 7.85 | 0.22 |
| 28/03/2020 07:35 | 3.7 | 276.85 | 29.71 | 100.61 | 4.32 | 40.78 | 1.15 | 50.03 | 7.82 | 0.22 |
| 28/03/2020 07:36 | 3.7 | 276.85 | 29.71 | 100.61 | 4.38 | 41.14 | 1.16 | 49.81 | 7.8 | 0.22 |
| 28/03/2020 07:37 | 3.8 | 276.95 | 29.71 | 100.61 | 4.36 | 41.01 | 1.16 | 49.15 | 7.75 | 0.22 |
| 28/03/2020 07:38 | 3.8 | 276.95 | 29.71 | 100.61 | 4.41 | 41.31 | 1.17 | 49.8 | 7.8 | 0.22 |
| 28/03/2020 07:39 | 3.8 | 276.95 | 29.71 | 100.61 | 4.3 | 40.65 | 1.15 | 50.4 | 7.84 | 0.22 |
| 28/03/2020 07:40 | 3.8 | 276.95 | 29.71 | 100.61 | 4.33 | 40.83 | 1.16 | 50 | 7.81 | 0.22 |
| 28/03/2020 07:41 | 3.8 | 276.95 | 29.71 | 100.61 | 4.37 | 41.07 | 1.16 | 50.19 | 7.83 | 0.22 |
| 28/03/2020 07:42 | 3.8 | 276.95 | 29.71 | 100.61 | 4.38 | 41.13 | 1.16 | 49.98 | 7.81 | 0.22 |
| 28/03/2020 07:43 | 3.8 | 276.95 | 29.71 | 100.61 | 4.38 | 41.13 | 1.16 | 50.28 | 7.83 | 0.22 |
| 28/03/2020 07:44 | 3.8 | 276.95 | 29.71 | 100.61 | 4.34 | 40.89 | 1.16 | 49.6 | 7.78 | 0.22 |
| 28/03/2020 07:45 | 3.8 | 276.95 | 29.71 | 100.61 | 4.39 | 41.19 | 1.17 | 49.75 | 7.79 | 0.22 |
| 28/03/2020 07:46 | 3.8 | 276.95 | 29.71 | 100.61 | 4.36 | 41.01 | 1.16 | 49.8 | 7.8 | 0.22 |
| 28/03/2020 07:47 | 3.8 | 276.95 | 29.71 | 100.61 | 4.35 | 40.95 | 1.16 | 49.81 | 7.8 | 0.22 |
| 28/03/2020 07:48 | 3.9 | 277.05 | 29.71 | 100.61 | 4.35 | 40.94 | 1.16 | 50.28 | 7.83 | 0.22 |
| 28/03/2020 07:49 | 3.9 | 277.05 | 29.71 | 100.61 | 4.35 | 40.94 | 1.16 | 50.12 | 7.82 | 0.22 |
| 28/03/2020 07:50 | 3.9 | 277.05 | 29.7 | 100.58 | 4.38 | 41.11 | 1.16 | 50.16 | 7.82 | 0.22 |
| 28/03/2020 07:51 | 3.9 | 277.05 | 29.7 | 100.58 | 4.37 | 41.05 | 1.16 | 49.99 | 7.81 | 0.22 |
| 28/03/2020 07:52 | 3.9 | 277.05 | 29.7 | 100.58 | 4.33 | 40.81 | 1.16 | 49.57 | 7.78 | 0.22 |
| 28/03/2020 07:53 | 3.9 | 277.05 | 29.7 | 100.58 | 4.35 | 40.93 | 1.16 | 49.67 | 7.79 | 0.22 |
| 28/03/2020 07:54 | 3.9 | 277.05 | 29.7 | 100.58 | 4.35 | 40.93 | 1.16 | 49.5 | 7.77 | 0.22 |
| 28/03/2020 07:55 | 4 | 277.15 | 29.7 | 100.58 | 4.35 | 40.92 | 1.16 | 49.71 | 7.79 | 0.22 |
| 28/03/2020 07:56 | 4 | 277.15 | 29.7 | 100.58 | 4.41 | 41.28 | 1.17 | 49.65 | 7.78 | 0.22 |
| 28/03/2020 07:57 | 4 | 277.15 | 29.7 | 100.58 | 4.33 | 40.8 | 1.16 | 49.84 | 7.8 | 0.22 |
| 28/03/2020 07:58 | 4.1 | 277.25 | 29.7 | 100.58 | 4.4 | 41.21 | 1.17 | 49.86 | 7.8 | 0.22 |
| 28/03/2020 07:59 | 4.1 | 277.25 | 29.7 | 100.58 | 4.38 | 41.09 | 1.16 | 49.56 | 7.78 | 0.22 |
| 28/03/2020 08:00 | 4.1 | 277.25 | 29.7 | 100.58 | 4.33 | 40.8 | 1.16 | 49.6 | 7.78 | 0.22 |
| 28/03/2020 08:01 | 4.1 | 277.25 | 29.7 | 100.58 | 4.39 | 41.15 | 1.17 | 49.34 | 7.76 | 0.22 |
| 28/03/2020 08:02 | 4.1 | 277.25 | 29.7 | 100.58 | 4.35 | 40.92 | 1.16 | 49.52 | 7.77 | 0.22 |
| 28/03/2020 08:03 | 4.2 | 277.35 | 29.7 | 100.58 | 4.35 | 40.91 | 1.16 | 49.66 | 7.78 | 0.22 |
| 28/03/2020 08:04 | 4.2 | 277.35 | 29.7 | 100.58 | 4.34 | 40.85 | 1.16 | 49.47 | 7.77 | 0.22 |
| 28/03/2020 08:05 | 4.2 | 277.35 | 29.7 | 100.58 | 4.35 | 40.91 | 1.16 | 49.47 | 7.77 | 0.22 |
| 28/03/2020 08:06 | 4.2 | 277.35 | 29.7 | 100.58 | 4.33 | 40.79 | 1.16 | 47.64 | 7.64 | 0.22 |
| 28/03/2020 08:07 | 4.2 | 277.35 | 29.69 | 100.54 | 4.36 | 40.96 | 1.16 | 49.65 | 7.78 | 0.22 |
| 28/03/2020 08:08 | 4.3 | 277.45 | 29.69 | 100.54 | 4.34 | 40.83 | 1.16 | 49.58 | 7.77 | 0.22 |
| 28/03/2020 08:09 | 4.3 | 277.45 | 29.69 | 100.54 | 4.34 | 40.83 | 1.16 | 49.66 | 7.78 | 0.22 |
| 28/03/2020 08:10 | 4.4 | 277.55 | 29.69 | 100.54 | 4.41 | 41.23 | 1.17 | 49.01 | 7.73 | 0.22 |
| 28/03/2020 08:11 | 4.4 | 277.55 | 29.69 | 100.54 | 4.33 | 40.76 | 1.15 | 49.73 | 7.78 | 0.22 |
| 28/03/2020 08:12 | 4.4 | 277.55 | 29.7 | 100.58 | 4.4 | 41.18 | 1.17 | 49.76 | 7.79 | 0.22 |
| 28/03/2020 08:13 | 4.4 | 277.55 | 29.7 | 100.58 | 4.38 | 41.07 | 1.16 | 49.61 | 7.78 | 0.22 |
| 28/03/2020 08:14 | 4.4 | 277.55 | 29.69 | 100.54 | 4.34 | 40.82 | 1.16 | 49.56 | 7.77 | 0.22 |
| 28/03/2020 08:15 | 4.5 | 277.65 | 29.7 | 100.58 | 4.37 | 41 | 1.16 | 49.58 | 7.77 | 0.22 |
| 28/03/2020 08:16 | 4.5 | 277.65 | 29.7 | 100.58 | 4.32 | 40.7 | 1.15 | 50.05 | 7.81 | 0.22 |
| 28/03/2020 08:17 | 4.5 | 277.65 | 29.7 | 100.58 | 4.43 | 41.35 | 1.17 | 50.06 | 7.81 | 0.22 |

Station: RofD Rundle Periodically: 28/03/2020 00:00-28/03/2020 23:59 Type: AVG 1 Min. [1 Min.]

| | | | Courtice | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date & Time | Temperature - Ambient | Temperature - Ambient | Pressure | Pressure | Hi-Vol Pressure | HiVol | | PUF Pressure | PUF | |
| | C° | K° | in HG | kPa | in H20 | cfm | m3 | in H20 | cfm | m3 |
| 28/03/2020 08:18 | 4.6 | 277.75 | 29.7 | 100.58 | 4.33 | 40.75 | 1.15 | 49.66 | 7.78 | 0.22 |
| 28/03/2020 08:19 | 4.6 | 277.75 | 29.69 | 100.54 | 4.35 | 40.86 | 1.16 | 50.44 | 7.83 | 0.22 |
| 28/03/2020 08:20 | 4.6 | 277.75 | 29.69 | 100.54 | 4.4 | 41.16 | 1.17 | 49.75 | 7.78 | 0.22 |
| 28/03/2020 08:21 | 4.6 | 277.75 | 29.69 | 100.54 | 4.43 | 41.33 | 1.17 | 49.88 | 7.79 | 0.22 |
| 28/03/2020 08:22 | 4.6 | 277.75 | 29.69 | 100.54 | 4.3 | 40.56 | 1.15 | 49.75 | 7.78 | 0.22 |
| 28/03/2020 08:23 | 4.6 | 277.75 | 29.7 | 100.58 | 4.37 | 40.99 | 1.16 | 50.09 | 7.81 | 0.22 |
| 28/03/2020 08:24 | 4.6 | 277.75 | 29.7 | 100.58 | 4.36 | 40.93 | 1.16 | 50.1 | 7.81 | 0.22 |
| 28/03/2020 08:25 | 4.6 | 277.75 | 29.7 | 100.58 | 4.37 | 40.99 | 1.16 | 49.41 | 7.76 | 0.22 |
| 28/03/2020 08:26 | 4.6 | 277.75 | 29.7 | 100.58 | 4.41 | 41.23 | 1.17 | 50.21 | 7.82 | 0.22 |
| 28/03/2020 08:27 | 4.6 | 277.75 | 29.69 | 100.54 | 4.3 | 40.56 | 1.15 | 49.52 | 7.76 | 0.22 |
| 28/03/2020 08:28 | 4.7 | 277.85 | 29.69 | 100.54 | 4.38 | 41.03 | 1.16 | 49.5 | 7.76 | 0.22 |
| 28/03/2020 08:29 | 4.7 | 277.85 | 29.69 | 100.54 | 4.35 | 40.85 | 1.16 | 50.16 | 7.81 | 0.22 |
| 28/03/2020 08:30 | 4.7 | 277.85 | 29.69 | 100.54 | 4.39 | 41.09 | 1.16 | 49.97 | 7.8 | 0.22 |
| 28/03/2020 08:31 | 4.7 | 277.85 | 29.69 | 100.54 | 4.4 | 41.15 | 1.17 | 50.42 | 7.83 | 0.22 |
| 28/03/2020 08:32 | 4.7 | 277.85 | 29.69 | 100.54 | 4.33 | 40.73 | 1.15 | 49.89 | 7.79 | 0.22 |
| 28/03/2020 08:33 | 4.8 | 277.95 | 29.69 | 100.54 | 4.36 | 40.9 | 1.16 | 50.2 | 7.81 | 0.22 |
| 28/03/2020 08:34 | 4.8 | 277.95 | 29.69 | 100.54 | 4.38 | 41.02 | 1.16 | 50.33 | 7.82 | 0.22 |
| 28/03/2020 08:35 | 4.8 | 277.95 | 29.69 | 100.54 | 4.38 | 41.02 | 1.16 | 50.02 | 7.8 | 0.22 |
| 28/03/2020 08:36 | 4.9 | 278.05 | 29.69 | 100.54 | 4.32 | 40.65 | 1.15 | 49.85 | 7.78 | 0.22 |
| 28/03/2020 08:37 | 4.9 | 278.05 | 29.69 | 100.54 | 4.32 | 40.65 | 1.15 | 49.8 | 7.78 | 0.22 |
| 28/03/2020 08:38 | 4.9 | 278.05 | 29.69 | 100.54 | 4.3 | 40.53 | 1.15 | 49.9 | 7.79 | 0.22 |
| 28/03/2020 08:39 | 5 | 278.15 | 29.69 | 100.54 | 4.3 | 40.52 | 1.15 | 49.95 | 7.79 | 0.22 |
| 28/03/2020 08:40 | 5 | 278.15 | 29.69 | 100.54 | 4.36 | 40.88 | 1.16 | 49.43 | 7.75 | 0.22 |
| 28/03/2020 08:41 | 5 | 278.15 | 29.69 | 100.54 | 4.43 | 41.3 | 1.17 | 49.66 | 7.77 | 0.22 |
| 28/03/2020 08:42 | 5.1 | 278.25 | 29.69 | 100.54 | 4.4 | 41.11 | 1.16 | 49.34 | 7.75 | 0.22 |
| 28/03/2020 08:43 | 5.1 | 278.25 | 29.68 | 100.51 | 4.35 | 40.8 | 1.16 | 49.44 | 7.75 | 0.22 |
| 28/03/2020 08:44 | 5.2 | 278.35 | 29.69 | 100.54 | 4.33 | 40.68 | 1.15 | 49.24 | 7.74 | 0.22 |
| 28/03/2020 08:45 | 5.2 | 278.35 | 29.69 | 100.54 | 4.38 | 40.98 | 1.16 | 49.38 | 7.75 | 0.22 |
| 28/03/2020 08:46 | 5.3 | 278.45 | 29.68 | 100.51 | 4.33 | 40.67 | 1.15 | 49.88 | 7.78 | 0.22 |
| 28/03/2020 08:47 | 5.3 | 278.45 | 29.68 | 100.51 | 4.34 | 40.73 | 1.15 | 49.43 | 7.75 | 0.22 |
| 28/03/2020 08:48 | 5.4 | 278.55 | 29.68 | 100.51 | 4.33 | 40.66 | 1.15 | 49.72 | 7.77 | 0.22 |
| 28/03/2020 08:49 | 5.4 | 278.55 | 29.68 | 100.51 | 4.35 | 40.78 | 1.15 | 48.92 | 7.71 | 0.22 |
| 28/03/2020 08:50 | 5.4 | 278.55 | 29.68 | 100.51 | 4.38 | 40.95 | 1.16 | 49.32 | 7.74 | 0.22 |
| 28/03/2020 08:51 | 5.4 | 278.55 | 29.68 | 100.51 | 4.35 | 40.78 | 1.15 | 49.03 | 7.72 | 0.22 |
| 28/03/2020 08:52 | 5.5 | 278.65 | 29.68 | 100.51 | 4.34 | 40.71 | 1.15 | 48.72 | 7.7 | 0.22 |
| 28/03/2020 08:53 | 5.5 | 278.65 | 29.68 | 100.51 | 4.37 | 40.89 | 1.16 | 49.04 | 7.72 | 0.22 |
| 28/03/2020 08:54 | 5.5 | 278.65 | 29.67 | 100.47 | 4.36 | 40.82 | 1.16 | 49.46 | 7.75 | 0.22 |
| 28/03/2020 08:55 | 5.5 | 278.65 | 29.68 | 100.51 | 4.32 | 40.59 | 1.15 | 49.3 | 7.74 | 0.22 |
| 28/03/2020 08:56 | 5.5 | 278.65 | 29.67 | 100.47 | 4.3 | 40.46 | 1.15 | 49.55 | 7.75 | 0.22 |
| 28/03/2020 08:57 | 5.5 | 278.65 | 29.67 | 100.47 | 4.34 | 40.7 | 1.15 | 49.79 | 7.77 | 0.22 |
| 28/03/2020 08:58 | 5.6 | 278.75 | 29.67 | 100.47 | 4.32 | 40.57 | 1.15 | 48.56 | 7.68 | 0.22 |
| 28/03/2020 08:59 | 5.6 | 278.75 | 29.67 | 100.47 | 4.31 | 40.51 | 1.15 | 49.41 | 7.74 | 0.22 |
| 28/03/2020 09:00 | 5.7 | 278.85 | 29.67 | 100.47 | 4.31 | 40.5 | 1.15 | 49.33 | 7.73 | 0.22 |
| 28/03/2020 09:01 | 5.7 | 278.85 | 29.67 | 100.47 | 4.34 | 40.68 | 1.15 | 49.46 | 7.74 | 0.22 |
| 28/03/2020 09:02 | 5.7 | 278.85 | 29.67 | 100.47 | 4.36 | 40.8 | 1.16 | 49.45 | 7.74 | 0.22 |
| 28/03/2020 09:03 | 5.8 | 278.95 | 29.68 | 100.51 | 4.34 | 40.68 | 1.15 | 48.81 | 7.7 | 0.22 |
| 28/03/2020 09:04 | 5.8 | 278.95 | 29.67 | 100.47 | 4.31 | 40.49 | 1.15 | 49.11 | 7.72 | 0.22 |
| 28/03/2020 09:05 | 5.8 | 278.95 | 29.68 | 100.51 | 4.35 | 40.74 | 1.15 | 49.55 | 7.75 | 0.22 |
| 28/03/2020 09:06 | 5.8 | 278.95 | 29.68 | 100.51 | 4.36 | 40.8 | 1.16 | 49.38 | 7.74 | 0.22 |
| 28/03/2020 09:07 | 5.8 | 278.95 | 29.67 | 100.47 | 4.31 | 40.49 | 1.15 | 49.03 | 7.71 | 0.22 |
| 28/03/2020 09:08 | 5.9 | 279.05 | 29.68 | 100.51 | 4.31 | 40.49 | 1.15 | 48.85 | 7.7 | 0.22 |
| 28/03/2020 09:09 | 5.9 | 279.05 | 29.68 | 100.51 | 4.36 | 40.79 | 1.16 | 49.32 | 7.73 | 0.22 |
| 28/03/2020 09:10 | 5.8 | 278.95 | 29.68 | 100.51 | 4.37 | 40.86 | 1.16 | 48.83 | 7.7 | 0.22 |
| 28/03/2020 09:11 | 5.8 | 278.95 | 29.67 | 100.47 | 4.31 | 40.49 | 1.15 | 48.88 | 7.7 | 0.22 |
| 28/03/2020 09:12 | 5.8 | 278.95 | 29.68 | 100.51 | 4.36 | 40.8 | 1.16 | 48.54 | 7.68 | 0.22 |
| 28/03/2020 09:13 | 5.8 | 278.95 | 29.67 | 100.47 | 4.34 | 40.67 | 1.15 | 49.49 | 7.74 | 0.22 |
| 28/03/2020 09:14 | 5.8 | 278.95 | 29.68 | 100.51 | 4.35 | 40.74 | 1.15 | 49.48 | 7.75 | 0.22 |
| 28/03/2020 09:15 | 5.8 | 278.95 | 29.68 | 100.51 | 4.3 | 40.44 | 1.15 | 49.14 | 7.72 | 0.22 |
| 28/03/2020 09:16 | 5.8 | 278.95 | 29.68 | 100.51 | 4.34 | 40.68 | 1.15 | 48.81 | 7.7 | 0.22 |
| 28/03/2020 09:17 | 5.8 | 278.95 | 29.68 | 100.51 | 4.29 | 40.38 | 1.14 | 48.94 | 7.71 | 0.22 |
| 28/03/2020 09:18 | 5.8 | 278.95 | 29.68 | 100.51 | 4.29 | 40.38 | 1.14 | 49.62 | 7.76 | 0.22 |
| 28/03/2020 09:19 | 5.9 | 279.05 | 29.69 | 100.54 | 4.34 | 40.68 | 1.15 | 49.31 | 7.73 | 0.22 |
| 28/03/2020 09:20 | 5.9 | 279.05 | 29.69 | 100.54 | 4.34 | 40.68 | 1.15 | 48.94 | 7.71 | 0.22 |
| 28/03/2020 09:21 | 5.9 | 279.05 | 29.69 | 100.54 | 4.31 | 40.5 | 1.15 | 48.96 | 7.71 | 0.22 |
| 28/03/2020 09:22 | 5.9 | 279.05 | 29.69 | 100.54 | 4.31 | 40.5 | 1.15 | 48.68 | 7.69 | 0.22 |
| 28/03/2020 09:23 | 5.9 | 279.05 | 29.69 | 100.54 | 4.34 | 40.68 | 1.15 | 48.53 | 7.68 | 0.22 |
| 28/03/2020 09:24 | 5.9 | 279.05 | 29.69 | 100.54 | 4.27 | 40.26 | 1.14 | 49.39 | 7.74 | 0.22 |
| 28/03/2020 09:25 | 5.9 | 279.05 | 29.69 | 100.54 | 4.34 | 40.68 | 1.15 | 49.03 | 7.71 | 0.22 |
| 28/03/2020 09:26 | 6 | 279.15 | 29.69 | 100.54 | 4.28 | 40.31 | 1.14 | 49 | 7.71 | 0.22 |
| 28/03/2020 09:27 | 6 | 279.15 | 29.69 | 100.54 | 4.3 | 40.43 | 1.14 | 48.8 | 7.7 | 0.22 |
| 28/03/2020 09:28 | 6 | 279.15 | 29.69 | 100.54 | 4.3 | 40.43 | 1.14 | 48.67 | 7.69 | 0.22 |
| 28/03/2020 09:29 | 6.1 | 279.25 | 29.69 | 100.54 | 4.33 | 40.6 | 1.15 | 48.52 | 7.67 | 0.22 |
| 28/03/2020 09:30 | 6.1 | 279.25 | 29.69 | 100.54 | 4.3 | 40.42 | 1.14 | 48.8 | 7.69 | 0.22 |
| 28/03/2020 09:31 | 6.1 | 279.25 | 29.69 | 100.54 | 4.32 | 40.54 | 1.15 | 48.82 | 7.7 | 0.22 |
| 28/03/2020 09:32 | 6.1 | 279.25 | 29.7 | 100.58 | 4.31 | 40.49 | 1.15 | 48.5 | 7.67 | 0.22 |
| 28/03/2020 09:33 | 6.1 | 279.25 | 29.69 | 100.54 | 4.32 | 40.54 | 1.15 | 49.23 | 7.73 | 0.22 |
| 28/03/2020 09:34 | 6.1 | 279.25 | 29.69 | 100.54 | 4.34 | 40.66 | 1.15 | 48.79 | 7.69 | 0.22 |
| 28/03/2020 09:35 | 6.1 | 279.25 | 29.69 | 100.54 | 4.31 | 40.48 | 1.15 | 48.69 | 7.69 | 0.22 |
| 28/03/2020 09:36 | 6.2 | 279.35 | 29.69 | 100.54 | 4.34 | 40.65 | 1.15 | 48.97 | 7.71 | 0.22 |
| 28/03/2020 09:37 | 6.2 | 279.35 | 29.69 | 100.54 | 4.33 | 40.59 | 1.15 | 48.67 | 7.68 | 0.22 |
| 28/03/2020 09:38 | 6.2 | 279.35 | 29.69 | 100.54 | 4.29 | 40.35 | 1.14 | 48.01 | 7.64 | 0.22 |
| 28/03/2020 09:39 | 6.2 | 279.35 | 29.69 | 100.54 | 4.38 | 40.89 | 1.16 | 48.36 | 7.66 | 0.22 |
| 28/03/2020 09:40 | 6.2 | 279.35 | 29.69 | 100.54 | 4.33 | 40.59 | 1.15 | 48.44 | 7.67 | 0.22 |

Station: RofD Rundle Periodically: 28/03/2020 00:00-28/03/2020 23:59 Type: AVG 1 Min. [1 Min.]

| | | | Courtice | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date & Time | Temperature - Ambient | Temperature - Ambient | Pressure | Pressure | Hi-Vol Pressure | HiVol | | PUF Pressure | PUF | |
| | C° | K° | in HG | kPa | in H20 | cfm | m3 | in H20 | cfm | m3 |
| 28/03/2020 09:41 | 6.2 | 279.35 | 29.69 | 100.54 | 4.34 | 40.65 | 1.15 | 48.76 | 7.69 | 0.22 |
| 28/03/2020 09:42 | 6.2 | 279.35 | 29.69 | 100.54 | 4.34 | 40.65 | 1.15 | 48.47 | 7.67 | 0.22 |
| 28/03/2020 09:43 | 6.3 | 279.45 | 29.69 | 100.54 | 4.32 | 40.52 | 1.15 | 48.81 | 7.69 | 0.22 |
| 28/03/2020 09:44 | 6.3 | 279.45 | 29.69 | 100.54 | 4.32 | 40.52 | 1.15 | 48.94 | 7.7 | 0.22 |
| 28/03/2020 09:45 | 6.3 | 279.45 | 29.69 | 100.54 | 4.31 | 40.46 | 1.15 | 48.9 | 7.7 | 0.22 |
| 28/03/2020 09:46 | 6.2 | 279.35 | 29.69 | 100.54 | 4.36 | 40.77 | 1.15 | 49.1 | 7.71 | 0.22 |
| 28/03/2020 09:47 | 6 | 279.15 | 29.69 | 100.54 | 4.31 | 40.49 | 1.15 | 49.28 | 7.73 | 0.22 |
| 28/03/2020 09:48 | 5.8 | 278.95 | 29.69 | 100.54 | 4.32 | 40.57 | 1.15 | 48.2 | 7.65 | 0.22 |
| 28/03/2020 09:49 | 5.6 | 278.75 | 29.69 | 100.54 | 4.34 | 40.71 | 1.15 | 49.17 | 7.73 | 0.22 |
| 28/03/2020 09:50 | 5.5 | 278.65 | 29.69 | 100.54 | 4.34 | 40.71 | 1.15 | 48.85 | 7.71 | 0.22 |
| 28/03/2020 09:51 | 5.4 | 278.55 | 29.69 | 100.54 | 4.35 | 40.78 | 1.15 | 49.13 | 7.73 | 0.22 |
| 28/03/2020 09:52 | 5.4 | 278.55 | 29.69 | 100.54 | 4.32 | 40.6 | 1.15 | 49.09 | 7.72 | 0.22 |
| 28/03/2020 09:53 | 5.4 | 278.55 | 29.69 | 100.54 | 4.36 | 40.84 | 1.16 | 49.2 | 7.73 | 0.22 |
| 28/03/2020 09:54 | 5.4 | 278.55 | 29.69 | 100.54 | 4.36 | 40.84 | 1.16 | 48.49 | 7.68 | 0.22 |
| 28/03/2020 09:55 | 5.4 | 278.55 | 29.69 | 100.54 | 4.32 | 40.6 | 1.15 | 49.09 | 7.72 | 0.22 |
| 28/03/2020 09:56 | 5.4 | 278.55 | 29.69 | 100.54 | 4.34 | 40.72 | 1.15 | 48.26 | 7.66 | 0.22 |
| 28/03/2020 09:57 | 5.4 | 278.55 | 29.69 | 100.54 | 4.33 | 40.66 | 1.15 | 48.98 | 7.72 | 0.22 |
| 28/03/2020 09:58 | 5.4 | 278.55 | 29.69 | 100.54 | 4.36 | 40.84 | 1.16 | 48.84 | 7.71 | 0.22 |
| 28/03/2020 09:59 | 5.4 | 278.55 | 29.69 | 100.54 | 4.38 | 40.96 | 1.16 | 49.2 | 7.73 | 0.22 |
| 28/03/2020 10:00 | 5.4 | 278.55 | 29.69 | 100.54 | 4.32 | 40.6 | 1.15 | 48.77 | 7.7 | 0.22 |
| 28/03/2020 10:01 | 5.4 | 278.55 | 29.69 | 100.54 | 4.38 | 40.96 | 1.16 | 48.89 | 7.71 | 0.22 |
| 28/03/2020 10:02 | 5.4 | 278.55 | 29.69 | 100.54 | 4.31 | 40.54 | 1.15 | 48.83 | 7.71 | 0.22 |
| 28/03/2020 10:03 | 5.3 | 278.45 | 29.68 | 100.51 | 4.33 | 40.67 | 1.15 | 48.81 | 7.7 | 0.22 |
| 28/03/2020 10:04 | 5.3 | 278.45 | 29.68 | 100.51 | 4.36 | 40.84 | 1.16 | 49.26 | 7.74 | 0.22 |
| 28/03/2020 10:05 | 5.3 | 278.45 | 29.68 | 100.51 | 4.41 | 41.14 | 1.16 | 48.73 | 7.7 | 0.22 |
| 28/03/2020 10:06 | 5.2 | 278.35 | 29.68 | 100.51 | 4.34 | 40.73 | 1.15 | 48.68 | 7.7 | 0.22 |
| 28/03/2020 10:07 | 5.2 | 278.35 | 29.68 | 100.51 | 4.38 | 40.97 | 1.16 | 48.67 | 7.7 | 0.22 |
| 28/03/2020 10:08 | 5.1 | 278.25 | 29.68 | 100.51 | 4.34 | 40.74 | 1.15 | 48.62 | 7.69 | 0.22 |
| 28/03/2020 10:09 | 5.1 | 278.25 | 29.68 | 100.51 | 4.29 | 40.44 | 1.15 | 48.74 | 7.7 | 0.22 |
| 28/03/2020 10:10 | 5 | 278.15 | 29.68 | 100.51 | 4.37 | 40.93 | 1.16 | 49.22 | 7.74 | 0.22 |
| 28/03/2020 10:11 | 5 | 278.15 | 29.67 | 100.47 | 4.3 | 40.5 | 1.15 | 49.37 | 7.75 | 0.22 |
| 28/03/2020 10:12 | 5 | 278.15 | 29.67 | 100.47 | 4.34 | 40.74 | 1.15 | 49.22 | 7.74 | 0.22 |
| 28/03/2020 10:13 | 5 | 278.15 | 29.67 | 100.47 | 4.38 | 40.98 | 1.16 | 49.14 | 7.73 | 0.22 |
| 28/03/2020 10:14 | 5 | 278.15 | 29.67 | 100.47 | 4.33 | 40.68 | 1.15 | 49.24 | 7.74 | 0.22 |
| 28/03/2020 10:15 | 4.9 | 278.05 | 29.67 | 100.47 | 4.39 | 41.05 | 1.16 | 49.32 | 7.74 | 0.22 |
| 28/03/2020 10:16 | 4.9 | 278.05 | 29.66 | 100.44 | 4.36 | 40.86 | 1.16 | 49.33 | 7.74 | 0.22 |
| 28/03/2020 10:17 | 4.9 | 278.05 | 29.67 | 100.47 | 4.35 | 40.81 | 1.16 | 49.62 | 7.77 | 0.22 |
| 28/03/2020 10:18 | 4.9 | 278.05 | 29.67 | 100.47 | 4.35 | 40.81 | 1.16 | 48.91 | 7.71 | 0.22 |
| 28/03/2020 10:19 | 4.9 | 278.05 | 29.67 | 100.47 | 4.36 | 40.87 | 1.16 | 49.55 | 7.76 | 0.22 |
| 28/03/2020 10:20 | 4.9 | 278.05 | 29.67 | 100.47 | 4.35 | 40.81 | 1.16 | 49.35 | 7.75 | 0.22 |
| 28/03/2020 10:21 | 5 | 278.15 | 29.67 | 100.47 | 4.39 | 41.04 | 1.16 | 49.25 | 7.74 | 0.22 |
| 28/03/2020 10:22 | 5 | 278.15 | 29.67 | 100.47 | 4.3 | 40.5 | 1.15 | 49.55 | 7.76 | 0.22 |
| 28/03/2020 10:23 | 5 | 278.15 | 29.66 | 100.44 | 4.31 | 40.56 | 1.15 | 49.9 | 7.78 | 0.22 |
| 28/03/2020 10:24 | 5 | 278.15 | 29.66 | 100.44 | 4.33 | 40.68 | 1.15 | 49.14 | 7.73 | 0.22 |
| 28/03/2020 10:25 | 5 | 278.15 | 29.66 | 100.44 | 4.37 | 40.91 | 1.16 | 49.42 | 7.75 | 0.22 |
| 28/03/2020 10:26 | 4.9 | 278.05 | 29.66 | 100.44 | 4.39 | 41.04 | 1.16 | 48.9 | 7.71 | 0.22 |
| 28/03/2020 10:27 | 4.9 | 278.05 | 29.66 | 100.44 | 4.32 | 40.63 | 1.15 | 49.02 | 7.72 | 0.22 |
| 28/03/2020 10:28 | 4.9 | 278.05 | 29.66 | 100.44 | 4.4 | 41.1 | 1.16 | 49.35 | 7.75 | 0.22 |
| 28/03/2020 10:29 | 4.9 | 278.05 | 29.66 | 100.44 | 4.36 | 40.86 | 1.16 | 49.28 | 7.74 | 0.22 |
| 28/03/2020 10:30 | 4.9 | 278.05 | 29.66 | 100.44 | 4.39 | 41.04 | 1.16 | 49.45 | 7.75 | 0.22 |
| 28/03/2020 10:31 | 4.9 | 278.05 | 29.66 | 100.44 | 4.34 | 40.74 | 1.15 | 49.51 | 7.76 | 0.22 |
| 28/03/2020 10:32 | 4.9 | 278.05 | 29.66 | 100.44 | 4.31 | 40.57 | 1.15 | 49.38 | 7.75 | 0.22 |
| 28/03/2020 10:33 | 4.9 | 278.05 | 29.66 | 100.44 | 4.36 | 40.86 | 1.16 | 49.73 | 7.77 | 0.22 |
| 28/03/2020 10:34 | 4.8 | 277.95 | 29.66 | 100.44 | 4.36 | 40.87 | 1.16 | 49.55 | 7.76 | 0.22 |
| 28/03/2020 10:35 | 4.8 | 277.95 | 29.66 | 100.44 | 4.33 | 40.69 | 1.15 | 48.99 | 7.72 | 0.22 |
| 28/03/2020 10:36 | 4.8 | 277.95 | 29.66 | 100.44 | 4.36 | 40.87 | 1.16 | 49.49 | 7.76 | 0.22 |
| 28/03/2020 10:37 | 4.8 | 277.95 | 29.66 | 100.44 | 4.35 | 40.81 | 1.16 | 49.43 | 7.75 | 0.22 |
| 28/03/2020 10:38 | 4.9 | 278.05 | 29.66 | 100.44 | 4.41 | 41.16 | 1.17 | 49.76 | 7.77 | 0.22 |
| 28/03/2020 10:39 | 4.9 | 278.05 | 29.67 | 100.47 | 4.35 | 40.81 | 1.16 | 49.36 | 7.75 | 0.22 |
| 28/03/2020 10:40 | 4.9 | 278.05 | 29.66 | 100.44 | 4.34 | 40.74 | 1.15 | 49.32 | 7.74 | 0.22 |
| 28/03/2020 10:41 | 4.8 | 277.95 | 29.66 | 100.44 | 4.35 | 40.81 | 1.16 | 48.76 | 7.7 | 0.22 |
| 28/03/2020 10:42 | 4.9 | 278.05 | 29.66 | 100.44 | 4.36 | 40.86 | 1.16 | 49.3 | 7.74 | 0.22 |
| 28/03/2020 10:43 | 4.9 | 278.05 | 29.66 | 100.44 | 4.35 | 40.8 | 1.16 | 49.28 | 7.74 | 0.22 |
| 28/03/2020 10:44 | 4.9 | 278.05 | 29.66 | 100.44 | 4.34 | 40.74 | 1.15 | 49.32 | 7.74 | 0.22 |
| 28/03/2020 10:45 | 4.9 | 278.05 | 29.66 | 100.44 | 4.36 | 40.86 | 1.16 | 48.99 | 7.72 | 0.22 |
| 28/03/2020 10:46 | 4.9 | 278.05 | 29.66 | 100.44 | 4.38 | 40.98 | 1.16 | 48.96 | 7.72 | 0.22 |
| 28/03/2020 10:47 | 4.9 | 278.05 | 29.66 | 100.44 | 4.31 | 40.57 | 1.15 | 48.92 | 7.71 | 0.22 |
| 28/03/2020 10:48 | 4.9 | 278.05 | 29.66 | 100.44 | 4.34 | 40.74 | 1.15 | 48.56 | 7.69 | 0.22 |
| 28/03/2020 10:49 | 4.9 | 278.05 | 29.67 | 100.47 | 4.4 | 41.11 | 1.16 | 49.36 | 7.75 | 0.22 |
| 28/03/2020 10:50 | 4.9 | 278.05 | 29.67 | 100.47 | 4.36 | 40.87 | 1.16 | 48.83 | 7.71 | 0.22 |
| 28/03/2020 10:51 | 4.9 | 278.05 | 29.67 | 100.47 | 4.29 | 40.45 | 1.15 | 49.42 | 7.75 | 0.22 |
| 28/03/2020 10:52 | 4.9 | 278.05 | 29.67 | 100.47 | 4.35 | 40.81 | 1.16 | 49.09 | 7.73 | 0.22 |
| 28/03/2020 10:53 | 4.8 | 277.95 | 29.66 | 100.44 | 4.38 | 40.99 | 1.16 | 49.14 | 7.73 | 0.22 |
| 28/03/2020 10:54 | 4.8 | 277.95 | 29.67 | 100.47 | 4.36 | 40.88 | 1.16 | 49.01 | 7.72 | 0.22 |
| 28/03/2020 10:55 | 4.8 | 277.95 | 29.67 | 100.47 | 4.34 | 40.76 | 1.15 | 49.5 | 7.76 | 0.22 |
| 28/03/2020 10:56 | 4.7 | 277.85 | 29.66 | 100.44 | 4.38 | 41 | 1.16 | 48.99 | 7.72 | 0.22 |
| 28/03/2020 10:57 | 4.7 | 277.85 | 29.67 | 100.47 | 4.35 | 40.83 | 1.16 | 49.23 | 7.74 | 0.22 |
| 28/03/2020 10:58 | 4.7 | 277.85 | 29.67 | 100.47 | 4.41 | 41.19 | 1.17 | 49.04 | 7.73 | 0.22 |
| 28/03/2020 10:59 | 4.7 | 277.85 | 29.66 | 100.44 | 4.43 | 41.3 | 1.17 | 49.67 | 7.77 | 0.22 |
| 28/03/2020 11:00 | 4.7 | 277.85 | 29.66 | 100.44 | 4.39 | 41.06 | 1.16 | 49.03 | 7.72 | 0.22 |
| 28/03/2020 11:01 | 4.7 | 277.85 | 29.66 | 100.44 | 4.38 | 41 | 1.16 | 49.16 | 7.73 | 0.22 |
| 28/03/2020 11:02 | 4.7 | 277.85 | 29.66 | 100.44 | 4.34 | 40.76 | 1.15 | 49.41 | 7.75 | 0.22 |
| 28/03/2020 11:03 | 4.7 | 277.85 | 29.66 | 100.44 | 4.4 | 41.12 | 1.16 | 48.9 | 7.72 | 0.22 |

Station: RofD Rundle Periodically: 28/03/2020 00:00-28/03/2020 23:59 Type: AVG 1 Min. [1 Min.]

| | | | Courtice | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date & Time | Temperature - Ambient | Temperature - Ambient | Pressure | Pressure | Hi-Vol Pressure | HiVol | | PUF Pressure | PUF | |
| | C° | K° | in HG | kPa | in H20 | cfm | m3 | in H20 | cfm | m3 |
| 28/03/2020 11:04 | 4.7 | 277.85 | 29.66 | 100.44 | 4.34 | 40.76 | 1.15 | 49.23 | 7.74 | 0.22 |
| 28/03/2020 11:05 | 4.7 | 277.85 | 29.66 | 100.44 | 4.36 | 40.88 | 1.16 | 49.16 | 7.73 | 0.22 |
| 28/03/2020 11:06 | 4.7 | 277.85 | 29.65 | 100.41 | 4.36 | 40.87 | 1.16 | 49.04 | 7.72 | 0.22 |
| 28/03/2020 11:07 | 4.7 | 277.85 | 29.65 | 100.41 | 4.34 | 40.76 | 1.15 | 49 | 7.72 | 0.22 |
| 28/03/2020 11:08 | 4.7 | 277.85 | 29.66 | 100.44 | 4.33 | 40.7 | 1.15 | 48.47 | 7.68 | 0.22 |
| 28/03/2020 11:09 | 4.7 | 277.85 | 29.65 | 100.41 | 4.38 | 40.99 | 1.16 | 48.95 | 7.72 | 0.22 |
| 28/03/2020 11:10 | 4.7 | 277.85 | 29.66 | 100.44 | 4.38 | 41 | 1.16 | 49.3 | 7.74 | 0.22 |
| 28/03/2020 11:11 | 4.7 | 277.85 | 29.65 | 100.41 | 4.42 | 41.23 | 1.17 | 49.32 | 7.74 | 0.22 |
| 28/03/2020 11:12 | 4.7 | 277.85 | 29.65 | 100.41 | 4.35 | 40.82 | 1.16 | 49.04 | 7.72 | 0.22 |
| 28/03/2020 11:13 | 4.7 | 277.85 | 29.66 | 100.44 | 4.39 | 41.06 | 1.16 | 49.28 | 7.74 | 0.22 |
| 28/03/2020 11:14 | 4.7 | 277.85 | 29.65 | 100.41 | 4.32 | 40.64 | 1.15 | 49 | 7.72 | 0.22 |
| 28/03/2020 11:15 | 4.7 | 277.85 | 29.65 | 100.41 | 4.34 | 40.76 | 1.15 | 49.03 | 7.72 | 0.22 |
| 28/03/2020 11:16 | 4.7 | 277.85 | 29.65 | 100.41 | 4.41 | 41.17 | 1.17 | 48.77 | 7.71 | 0.22 |
| 28/03/2020 11:17 | 4.7 | 277.85 | 29.65 | 100.41 | 4.32 | 40.64 | 1.15 | 48.29 | 7.67 | 0.22 |
| 28/03/2020 11:18 | 4.7 | 277.85 | 29.66 | 100.44 | 4.34 | 40.76 | 1.15 | 48.35 | 7.68 | 0.22 |
| 28/03/2020 11:19 | 4.7 | 277.85 | 29.65 | 100.41 | 4.38 | 40.99 | 1.16 | 49.42 | 7.75 | 0.22 |
| 28/03/2020 11:20 | 4.7 | 277.85 | 29.65 | 100.41 | 4.35 | 40.82 | 1.16 | 48.87 | 7.71 | 0.22 |
| 28/03/2020 11:21 | 4.7 | 277.85 | 29.66 | 100.44 | 4.36 | 40.88 | 1.16 | 49.28 | 7.74 | 0.22 |
| 28/03/2020 11:22 | 4.7 | 277.85 | 29.65 | 100.41 | 4.36 | 40.87 | 1.16 | 48.89 | 7.71 | 0.22 |
| 28/03/2020 11:23 | 4.7 | 277.85 | 29.66 | 100.44 | 4.4 | 41.12 | 1.16 | 49.16 | 7.73 | 0.22 |
| 28/03/2020 11:24 | 4.7 | 277.85 | 29.66 | 100.44 | 4.32 | 40.64 | 1.15 | 49.14 | 7.73 | 0.22 |
| 28/03/2020 11:25 | 4.7 | 277.85 | 29.65 | 100.41 | 4.36 | 40.87 | 1.16 | 49.05 | 7.73 | 0.22 |
| 28/03/2020 11:26 | 4.7 | 277.85 | 29.66 | 100.44 | 4.32 | 40.64 | 1.15 | 48.88 | 7.71 | 0.22 |
| 28/03/2020 11:27 | 4.7 | 277.85 | 29.66 | 100.44 | 4.38 | 41 | 1.16 | 49.04 | 7.73 | 0.22 |
| 28/03/2020 11:28 | 4.6 | 277.75 | 29.66 | 100.44 | 4.38 | 41.01 | 1.16 | 49.69 | 7.77 | 0.22 |
| 28/03/2020 11:29 | 4.6 | 277.75 | 29.66 | 100.44 | 4.34 | 40.77 | 1.15 | 49.18 | 7.74 | 0.22 |
| 28/03/2020 11:30 | 4.7 | 277.85 | 29.66 | 100.44 | 4.34 | 40.76 | 1.15 | 49.64 | 7.77 | 0.22 |
| 28/03/2020 11:31 | 4.7 | 277.85 | 29.66 | 100.44 | 4.35 | 40.82 | 1.16 | 48.92 | 7.72 | 0.22 |
| 28/03/2020 11:32 | 4.7 | 277.85 | 29.66 | 100.44 | 4.35 | 40.82 | 1.16 | 49.16 | 7.73 | 0.22 |
| 28/03/2020 11:33 | 4.6 | 277.75 | 29.66 | 100.44 | 4.32 | 40.65 | 1.15 | 49.16 | 7.74 | 0.22 |
| 28/03/2020 11:34 | 4.6 | 277.75 | 29.66 | 100.44 | 4.32 | 40.65 | 1.15 | 49.41 | 7.75 | 0.22 |
| 28/03/2020 11:35 | 4.6 | 277.75 | 29.66 | 100.44 | 4.37 | 40.95 | 1.16 | 48.88 | 7.72 | 0.22 |
| 28/03/2020 11:36 | 4.7 | 277.85 | 29.66 | 100.44 | 4.34 | 40.76 | 1.15 | 48.94 | 7.72 | 0.22 |
| 28/03/2020 11:37 | 4.7 | 277.85 | 29.66 | 100.44 | 4.35 | 40.82 | 1.16 | 49.18 | 7.74 | 0.22 |
| 28/03/2020 11:38 | 4.6 | 277.75 | 29.66 | 100.44 | 4.32 | 40.65 | 1.15 | 49.27 | 7.74 | 0.22 |
| 28/03/2020 11:39 | 4.7 | 277.85 | 29.66 | 100.44 | 4.33 | 40.7 | 1.15 | 49.17 | 7.73 | 0.22 |
| 28/03/2020 11:40 | 4.7 | 277.85 | 29.66 | 100.44 | 4.33 | 40.7 | 1.15 | 48.92 | 7.72 | 0.22 |
| 28/03/2020 11:41 | 4.7 | 277.85 | 29.66 | 100.44 | 4.33 | 40.7 | 1.15 | 48.98 | 7.72 | 0.22 |
| 28/03/2020 11:42 | 4.7 | 277.85 | 29.66 | 100.44 | 4.36 | 40.88 | 1.16 | 49.24 | 7.74 | 0.22 |
| 28/03/2020 11:43 | 4.7 | 277.85 | 29.67 | 100.47 | 4.33 | 40.71 | 1.15 | 49.33 | 7.75 | 0.22 |
| 28/03/2020 11:44 | 4.7 | 277.85 | 29.67 | 100.47 | 4.39 | 41.07 | 1.16 | 48.93 | 7.72 | 0.22 |
| 28/03/2020 11:45 | 4.7 | 277.85 | 29.67 | 100.47 | 4.37 | 40.95 | 1.16 | 49.28 | 7.74 | 0.22 |
| 28/03/2020 11:46 | 4.7 | 277.85 | 29.66 | 100.44 | 4.35 | 40.82 | 1.16 | 49.17 | 7.73 | 0.22 |
| 28/03/2020 11:47 | 4.7 | 277.85 | 29.67 | 100.47 | 4.32 | 40.65 | 1.15 | 49.16 | 7.74 | 0.22 |
| 28/03/2020 11:48 | 4.7 | 277.85 | 29.66 | 100.44 | 4.32 | 40.64 | 1.15 | 49.51 | 7.76 | 0.22 |
| 28/03/2020 11:49 | 4.7 | 277.85 | 29.66 | 100.44 | 4.35 | 40.82 | 1.16 | 49.17 | 7.73 | 0.22 |
| 28/03/2020 11:50 | 4.8 | 277.95 | 29.66 | 100.44 | 4.36 | 40.87 | 1.16 | 49.33 | 7.75 | 0.22 |
| 28/03/2020 11:51 | 4.8 | 277.95 | 29.66 | 100.44 | 4.35 | 40.81 | 1.16 | 49.37 | 7.75 | 0.22 |
| 28/03/2020 11:52 | 4.9 | 278.05 | 29.65 | 100.41 | 4.32 | 40.62 | 1.15 | 49.29 | 7.74 | 0.22 |
| 28/03/2020 11:53 | 4.9 | 278.05 | 29.66 | 100.44 | 4.4 | 41.1 | 1.16 | 48.89 | 7.71 | 0.22 |
| 28/03/2020 11:54 | 4.9 | 278.05 | 29.65 | 100.41 | 4.35 | 40.8 | 1.16 | 49.34 | 7.74 | 0.22 |
| 28/03/2020 11:55 | 4.9 | 278.05 | 29.65 | 100.41 | 4.37 | 40.92 | 1.16 | 49.33 | 7.74 | 0.22 |
| 28/03/2020 11:56 | 4.9 | 278.05 | 29.65 | 100.41 | 4.35 | 40.8 | 1.16 | 48.98 | 7.72 | 0.22 |
| 28/03/2020 11:57 | 5 | 278.15 | 29.65 | 100.41 | 4.37 | 40.91 | 1.16 | 49.14 | 7.73 | 0.22 |
| 28/03/2020 11:58 | 5 | 278.15 | 29.65 | 100.41 | 4.34 | 40.73 | 1.15 | 49.43 | 7.75 | 0.22 |
| 28/03/2020 11:59 | 5.1 | 278.25 | 29.65 | 100.41 | 4.3 | 40.48 | 1.15 | 49.39 | 7.74 | 0.22 |
| 28/03/2020 12:00 | 5.2 | 278.35 | 29.65 | 100.41 | 4.29 | 40.41 | 1.14 | 48.91 | 7.71 | 0.22 |
| 28/03/2020 12:01 | 5.1 | 278.25 | 29.66 | 100.44 | 4.3 | 40.49 | 1.15 | 49.4 | 7.75 | 0.22 |
| 28/03/2020 12:02 | 5.1 | 278.25 | 29.66 | 100.44 | 4.3 | 40.49 | 1.15 | 48.85 | 7.71 | 0.22 |
| 28/03/2020 12:03 | 5.1 | 278.25 | 29.66 | 100.44 | 4.37 | 40.9 | 1.16 | 49.57 | 7.76 | 0.22 |
| 28/03/2020 12:04 | 5.1 | 278.25 | 29.66 | 100.44 | 4.34 | 40.73 | 1.15 | 49.55 | 7.76 | 0.22 |
| 28/03/2020 12:05 | 5.2 | 278.35 | 29.66 | 100.44 | 4.36 | 40.84 | 1.16 | 49.86 | 7.78 | 0.22 |
| 28/03/2020 12:06 | 5.2 | 278.35 | 29.67 | 100.47 | 4.29 | 40.43 | 1.14 | 49.5 | 7.75 | 0.22 |
| 28/03/2020 12:07 | 5.2 | 278.35 | 29.67 | 100.47 | 4.37 | 40.9 | 1.16 | 49.62 | 7.76 | 0.22 |
| 28/03/2020 12:08 | 5.2 | 278.35 | 29.67 | 100.47 | 4.29 | 40.43 | 1.14 | 49.6 | 7.76 | 0.22 |
| 28/03/2020 12:09 | 5.2 | 278.35 | 29.67 | 100.47 | 4.37 | 40.9 | 1.16 | 49.82 | 7.78 | 0.22 |
| 28/03/2020 12:10 | 5.1 | 278.25 | 29.67 | 100.47 | 4.33 | 40.67 | 1.15 | 49.13 | 7.73 | 0.22 |
| 28/03/2020 12:11 | 5 | 278.15 | 29.67 | 100.47 | 4.33 | 40.68 | 1.15 | 49.39 | 7.75 | 0.22 |
| 28/03/2020 12:12 | 5 | 278.15 | 29.67 | 100.47 | 4.35 | 40.8 | 1.16 | 49.69 | 7.77 | 0.22 |
| 28/03/2020 12:13 | 5 | 278.15 | 29.67 | 100.47 | 4.29 | 40.44 | 1.15 | 49.46 | 7.75 | 0.22 |
| 28/03/2020 12:14 | 5 | 278.15 | 29.67 | 100.47 | 4.37 | 40.92 | 1.16 | 49.59 | 7.76 | 0.22 |
| 28/03/2020 12:15 | 4.9 | 278.05 | 29.66 | 100.44 | 4.35 | 40.8 | 1.16 | 49.1 | 7.73 | 0.22 |
| 28/03/2020 12:16 | 4.9 | 278.05 | 29.66 | 100.44 | 4.35 | 40.8 | 1.16 | 49.46 | 7.75 | 0.22 |
| 28/03/2020 12:17 | 4.9 | 278.05 | 29.67 | 100.47 | 4.34 | 40.75 | 1.15 | 49.28 | 7.74 | 0.22 |
| 28/03/2020 12:18 | 4.9 | 278.05 | 29.66 | 100.44 | 4.3 | 40.51 | 1.15 | 49.01 | 7.72 | 0.22 |
| 28/03/2020 12:19 | 4.8 | 277.95 | 29.67 | 100.47 | 4.36 | 40.88 | 1.16 | 49.78 | 7.78 | 0.22 |
| 28/03/2020 12:20 | 4.8 | 277.95 | 29.66 | 100.44 | 4.34 | 40.75 | 1.15 | 49.59 | 7.76 | 0.22 |
| 28/03/2020 12:21 | 4.8 | 277.95 | 29.66 | 100.44 | 4.34 | 40.75 | 1.15 | 49.53 | 7.76 | 0.22 |
| 28/03/2020 12:22 | 4.8 | 277.95 | 29.65 | 100.41 | 4.34 | 40.75 | 1.15 | 49.33 | 7.74 | 0.22 |
| 28/03/2020 12:23 | 4.7 | 277.85 | 29.65 | 100.41 | 4.35 | 40.82 | 1.16 | 49.52 | 7.76 | 0.22 |
| 28/03/2020 12:24 | 4.7 | 277.85 | 29.64 | 100.37 | 4.33 | 40.69 | 1.15 | 49.48 | 7.75 | 0.22 |
| 28/03/2020 12:25 | 4.7 | 277.85 | 29.64 | 100.37 | 4.34 | 40.75 | 1.15 | 49.15 | 7.73 | 0.22 |
| 28/03/2020 12:26 | 4.8 | 277.95 | 29.64 | 100.37 | 4.35 | 40.8 | 1.16 | 49.33 | 7.74 | 0.22 |

Station: RofD Rundle Periodically: 28/03/2020 00:00-28/03/2020 23:59 Type: AVG 1 Min. [1 Min.]

| | | | Courtice | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date & Time | Temperature - Ambient | Temperature - Ambient | Pressure | Pressure | Hi-Vol Pressure | HiVol | | PUF Pressure | PUF | |
| | C° | K° | in HG | kPa | in H20 | cfm | m3 | in H20 | cfm | m3 |
| 28/03/2020 12:27 | 4.9 | 278.05 | 29.64 | 100.37 | 4.36 | 40.85 | 1.16 | 48.95 | 7.71 | 0.22 |
| 28/03/2020 12:28 | 5 | 278.15 | 29.64 | 100.37 | 4.37 | 40.9 | 1.16 | 49.61 | 7.76 | 0.22 |
| 28/03/2020 12:29 | 5.1 | 278.25 | 29.63 | 100.34 | 4.35 | 40.76 | 1.15 | 49.72 | 7.77 | 0.22 |
| 28/03/2020 12:30 | 5.3 | 278.45 | 29.64 | 100.37 | 4.32 | 40.57 | 1.15 | 48.78 | 7.7 | 0.22 |
| 28/03/2020 12:31 | 5.5 | 278.65 | 29.64 | 100.37 | 4.35 | 40.73 | 1.15 | 48.86 | 7.7 | 0.22 |
| 28/03/2020 12:32 | 5.6 | 278.75 | 29.64 | 100.37 | 4.3 | 40.42 | 1.14 | 49.28 | 7.73 | 0.22 |
| 28/03/2020 12:33 | 5.6 | 278.75 | 29.64 | 100.37 | 4.31 | 40.48 | 1.15 | 48.99 | 7.71 | 0.22 |
| 28/03/2020 12:34 | 5.6 | 278.75 | 29.64 | 100.37 | 4.33 | 40.6 | 1.15 | 49.04 | 7.71 | 0.22 |
| 28/03/2020 12:35 | 5.7 | 278.85 | 29.64 | 100.37 | 4.34 | 40.65 | 1.15 | 48.73 | 7.69 | 0.22 |
| 28/03/2020 12:36 | 5.7 | 278.85 | 29.64 | 100.37 | 4.32 | 40.53 | 1.15 | 48.81 | 7.69 | 0.22 |
| 28/03/2020 12:37 | 5.7 | 278.85 | 29.64 | 100.37 | 4.37 | 40.83 | 1.16 | 48.88 | 7.7 | 0.22 |
| 28/03/2020 12:38 | 5.7 | 278.85 | 29.64 | 100.37 | 4.28 | 40.29 | 1.14 | 48.7 | 7.69 | 0.22 |
| 28/03/2020 12:39 | 5.7 | 278.85 | 29.64 | 100.37 | 4.25 | 40.11 | 1.14 | 48.39 | 7.66 | 0.22 |
| 28/03/2020 12:40 | 5.7 | 278.85 | 29.63 | 100.34 | 4.3 | 40.41 | 1.14 | 48.25 | 7.65 | 0.22 |
| 28/03/2020 12:41 | 5.7 | 278.85 | 29.63 | 100.34 | 4.32 | 40.53 | 1.15 | 48.57 | 7.68 | 0.22 |
| 28/03/2020 12:42 | 5.6 | 278.75 | 29.63 | 100.34 | 4.28 | 40.3 | 1.14 | 48.34 | 7.66 | 0.22 |
| 28/03/2020 12:43 | 5.6 | 278.75 | 29.63 | 100.34 | 4.32 | 40.53 | 1.15 | 48.96 | 7.71 | 0.22 |
| 28/03/2020 12:44 | 5.6 | 278.75 | 29.62 | 100.3 | 4.29 | 40.34 | 1.14 | 48.7 | 7.69 | 0.22 |
| 28/03/2020 12:45 | 5.5 | 278.65 | 29.62 | 100.3 | 4.35 | 40.71 | 1.15 | 48.77 | 7.69 | 0.22 |
| 28/03/2020 12:46 | 5.5 | 278.65 | 29.63 | 100.34 | 4.31 | 40.48 | 1.15 | 48.99 | 7.71 | 0.22 |
| 28/03/2020 12:47 | 5.5 | 278.65 | 29.63 | 100.34 | 4.33 | 40.6 | 1.15 | 48.8 | 7.69 | 0.22 |
| 28/03/2020 12:48 | 5.6 | 278.75 | 29.63 | 100.34 | 4.34 | 40.65 | 1.15 | 48.77 | 7.69 | 0.22 |
| 28/03/2020 12:49 | 5.7 | 278.85 | 29.63 | 100.34 | 4.3 | 40.41 | 1.14 | 48.41 | 7.66 | 0.22 |
| 28/03/2020 12:50 | 5.7 | 278.85 | 29.63 | 100.34 | 4.33 | 40.58 | 1.15 | 48.61 | 7.68 | 0.22 |
| 28/03/2020 12:51 | 5.7 | 278.85 | 29.63 | 100.34 | 4.33 | 40.58 | 1.15 | 48.37 | 7.66 | 0.22 |
| 28/03/2020 12:52 | 5.8 | 278.95 | 29.63 | 100.34 | 4.33 | 40.58 | 1.15 | 48.53 | 7.67 | 0.22 |
| 28/03/2020 12:53 | 5.8 | 278.95 | 29.63 | 100.34 | 4.29 | 40.34 | 1.14 | 48.63 | 7.68 | 0.22 |
| 28/03/2020 12:54 | 5.8 | 278.95 | 29.63 | 100.34 | 4.31 | 40.46 | 1.15 | 48.43 | 7.66 | 0.22 |
| 28/03/2020 12:55 | 5.8 | 278.95 | 29.63 | 100.34 | 4.3 | 40.4 | 1.14 | 49.75 | 7.76 | 0.22 |
| 28/03/2020 12:56 | 5.8 | 278.95 | 29.64 | 100.37 | 4.3 | 40.4 | 1.14 | 48.61 | 7.68 | 0.22 |
| 28/03/2020 12:57 | 5.8 | 278.95 | 29.64 | 100.37 | 4.34 | 40.64 | 1.15 | 48.58 | 7.68 | 0.22 |
| 28/03/2020 12:58 | 5.8 | 278.95 | 29.63 | 100.34 | 4.31 | 40.46 | 1.15 | 48.84 | 7.69 | 0.22 |
| 28/03/2020 12:59 | 5.9 | 279.05 | 29.63 | 100.34 | 4.31 | 40.45 | 1.15 | 48.64 | 7.68 | 0.22 |
| 28/03/2020 13:00 | 6 | 279.15 | 29.63 | 100.34 | 4.32 | 40.5 | 1.15 | 49.09 | 7.71 | 0.22 |
| 28/03/2020 13:01 | 6 | 279.15 | 29.63 | 100.34 | 4.32 | 40.5 | 1.15 | 48.53 | 7.67 | 0.22 |
| 28/03/2020 13:02 | 6.1 | 279.25 | 29.63 | 100.34 | 4.3 | 40.37 | 1.14 | 48.78 | 7.69 | 0.22 |
| 28/03/2020 13:03 | 6.1 | 279.25 | 29.63 | 100.34 | 4.34 | 40.61 | 1.15 | 48.95 | 7.7 | 0.22 |
| 28/03/2020 13:04 | 6.1 | 279.25 | 29.63 | 100.34 | 4.33 | 40.55 | 1.15 | 48.8 | 7.69 | 0.22 |
| 28/03/2020 13:05 | 6.1 | 279.25 | 29.63 | 100.34 | 4.35 | 40.67 | 1.15 | 49.05 | 7.71 | 0.22 |
| 28/03/2020 13:06 | 6.1 | 279.25 | 29.63 | 100.34 | 4.32 | 40.49 | 1.15 | 48.47 | 7.66 | 0.22 |
| 28/03/2020 13:07 | 6.1 | 279.25 | 29.64 | 100.37 | 4.26 | 40.14 | 1.14 | 48.52 | 7.67 | 0.22 |
| 28/03/2020 13:08 | 6.1 | 279.25 | 29.64 | 100.37 | 4.29 | 40.32 | 1.14 | 48.89 | 7.69 | 0.22 |
| 28/03/2020 13:09 | 6.1 | 279.25 | 29.64 | 100.37 | 4.32 | 40.5 | 1.15 | 49 | 7.7 | 0.22 |
| 28/03/2020 13:10 | 6.1 | 279.25 | 29.64 | 100.37 | 4.33 | 40.56 | 1.15 | 49.04 | 7.71 | 0.22 |
| 28/03/2020 13:11 | 6.1 | 279.25 | 29.63 | 100.34 | 4.29 | 40.31 | 1.14 | 49 | 7.7 | 0.22 |
| 28/03/2020 13:12 | 6.1 | 279.25 | 29.63 | 100.34 | 4.34 | 40.61 | 1.15 | 49.07 | 7.71 | 0.22 |
| 28/03/2020 13:13 | 6.1 | 279.25 | 29.63 | 100.34 | 4.32 | 40.49 | 1.15 | 48.94 | 7.7 | 0.22 |
| 28/03/2020 13:14 | 6.1 | 279.25 | 29.63 | 100.34 | 4.31 | 40.43 | 1.14 | 48.89 | 7.69 | 0.22 |
| 28/03/2020 13:15 | 6.1 | 279.25 | 29.63 | 100.34 | 4.32 | 40.49 | 1.15 | 49.11 | 7.71 | 0.22 |
| 28/03/2020 13:16 | 6.1 | 279.25 | 29.63 | 100.34 | 4.34 | 40.61 | 1.15 | 48.6 | 7.67 | 0.22 |
| 28/03/2020 13:17 | 6.2 | 279.35 | 29.63 | 100.34 | 4.32 | 40.48 | 1.15 | 48.44 | 7.66 | 0.22 |
| 28/03/2020 13:18 | 6.2 | 279.35 | 29.63 | 100.34 | 4.27 | 40.18 | 1.14 | 48.88 | 7.69 | 0.22 |
| 28/03/2020 13:19 | 6.2 | 279.35 | 29.62 | 100.3 | 4.32 | 40.47 | 1.15 | 49.01 | 7.7 | 0.22 |
| 28/03/2020 13:20 | 6.2 | 279.35 | 29.62 | 100.3 | 4.32 | 40.47 | 1.15 | 48.32 | 7.65 | 0.22 |
| 28/03/2020 13:21 | 6.2 | 279.35 | 29.62 | 100.3 | 4.34 | 40.59 | 1.15 | 48.85 | 7.69 | 0.22 |
| 28/03/2020 13:22 | 6.2 | 279.35 | 29.62 | 100.3 | 4.33 | 40.53 | 1.15 | 49.19 | 7.71 | 0.22 |
| 28/03/2020 13:23 | 6.3 | 279.45 | 29.62 | 100.3 | 4.29 | 40.28 | 1.14 | 48.32 | 7.65 | 0.22 |
| 28/03/2020 13:24 | 6.4 | 279.55 | 29.61 | 100.27 | 4.29 | 40.26 | 1.14 | 48.7 | 7.67 | 0.22 |
| 28/03/2020 13:25 | 6.4 | 279.55 | 29.61 | 100.27 | 4.29 | 40.26 | 1.14 | 48.86 | 7.69 | 0.22 |
| 28/03/2020 13:26 | 6.5 | 279.65 | 29.61 | 100.27 | 4.34 | 40.55 | 1.15 | 48.78 | 7.68 | 0.22 |
| 28/03/2020 13:27 | 6.6 | 279.75 | 29.61 | 100.27 | 4.31 | 40.36 | 1.14 | 48.92 | 7.69 | 0.22 |
| 28/03/2020 13:28 | 6.7 | 279.85 | 29.61 | 100.27 | 4.31 | 40.36 | 1.14 | 48.69 | 7.67 | 0.22 |
| 28/03/2020 13:29 | 6.7 | 279.85 | 29.61 | 100.27 | 4.29 | 40.24 | 1.14 | 48.33 | 7.64 | 0.22 |
| 28/03/2020 13:30 | 6.7 | 279.85 | 29.61 | 100.27 | 4.32 | 40.42 | 1.14 | 48.37 | 7.65 | 0.22 |
| 28/03/2020 13:31 | 6.6 | 279.75 | 29.61 | 100.27 | 4.28 | 40.19 | 1.14 | 48.57 | 7.66 | 0.22 |
| 28/03/2020 13:32 | 6.6 | 279.75 | 29.61 | 100.27 | 4.3 | 40.3 | 1.14 | 48.46 | 7.65 | 0.22 |
| 28/03/2020 13:33 | 6.7 | 279.85 | 29.61 | 100.27 | 4.31 | 40.36 | 1.14 | 48.62 | 7.66 | 0.22 |
| 28/03/2020 13:34 | 6.8 | 279.95 | 29.61 | 100.27 | 4.3 | 40.29 | 1.14 | 48.85 | 7.68 | 0.22 |
| 28/03/2020 13:35 | 6.8 | 279.95 | 29.61 | 100.27 | 4.31 | 40.35 | 1.14 | 48.98 | 7.69 | 0.22 |
| 28/03/2020 13:36 | 6.9 | 280.05 | 29.61 | 100.27 | 4.31 | 40.34 | 1.14 | 48.62 | 7.66 | 0.22 |
| 28/03/2020 13:37 | 7 | 280.15 | 29.62 | 100.3 | 4.27 | 40.1 | 1.14 | 48.41 | 7.65 | 0.22 |
| 28/03/2020 13:38 | 7 | 280.15 | 29.62 | 100.3 | 4.26 | 40.04 | 1.13 | 48.72 | 7.67 | 0.22 |
| 28/03/2020 13:39 | 7 | 280.15 | 29.62 | 100.3 | 4.3 | 40.28 | 1.14 | 48.23 | 7.63 | 0.22 |
| 28/03/2020 13:40 | 7 | 280.15 | 29.62 | 100.3 | 4.26 | 40.04 | 1.13 | 47.95 | 7.61 | 0.22 |
| 28/03/2020 13:41 | 6.9 | 280.05 | 29.62 | 100.3 | 4.3 | 40.29 | 1.14 | 48.24 | 7.64 | 0.22 |
| 28/03/2020 13:42 | 6.9 | 280.05 | 29.62 | 100.3 | 4.29 | 40.23 | 1.14 | 48.49 | 7.65 | 0.22 |
| 28/03/2020 13:43 | 6.9 | 280.05 | 29.62 | 100.3 | 4.3 | 40.29 | 1.14 | 48.59 | 7.66 | 0.22 |
| 28/03/2020 13:44 | 6.8 | 279.95 | 29.63 | 100.34 | 4.34 | 40.54 | 1.15 | 48.49 | 7.66 | 0.22 |
| 28/03/2020 13:45 | 6.8 | 279.95 | 29.63 | 100.34 | 4.28 | 40.18 | 1.14 | 48.96 | 7.69 | 0.22 |
| 28/03/2020 13:46 | 6.9 | 280.05 | 29.62 | 100.3 | 4.34 | 40.52 | 1.15 | 48.74 | 7.67 | 0.22 |
| 28/03/2020 13:47 | 6.8 | 279.95 | 29.62 | 100.3 | 4.27 | 40.11 | 1.14 | 48.94 | 7.69 | 0.22 |
| 28/03/2020 13:48 | 6.8 | 279.95 | 29.62 | 100.3 | 4.27 | 40.11 | 1.14 | 48.98 | 7.69 | 0.22 |
| 28/03/2020 13:49 | 6.9 | 280.05 | 29.61 | 100.27 | 4.26 | 40.04 | 1.13 | 48.1 | 7.62 | 0.22 |

Station: RofD Rundle Periodically: 28/03/2020 00:00-28/03/2020 23:59 Type: AVG 1 Min. [1 Min.]

| | | | Courtice | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date & Time | Temperature - Ambient | Temperature - Ambient | Pressure | Pressure | Hi-Vol Pressure | HiVol | | PUF Pressure | PUF | |
| | C° | K° | in HG | kPa | in H20 | cfm | m3 | in H20 | cfm | m3 |
| 28/03/2020 13:50 | 6.9 | 280.05 | 29.61 | 100.27 | 4.33 | 40.46 | 1.15 | 48.71 | 7.67 | 0.22 |
| 28/03/2020 13:51 | 6.9 | 280.05 | 29.61 | 100.27 | 4.29 | 40.22 | 1.14 | 48.56 | 7.66 | 0.22 |
| 28/03/2020 13:52 | 6.9 | 280.05 | 29.61 | 100.27 | 4.29 | 40.22 | 1.14 | 48.5 | 7.65 | 0.22 |
| 28/03/2020 13:53 | 7 | 280.15 | 29.61 | 100.27 | 4.3 | 40.27 | 1.14 | 48.86 | 7.68 | 0.22 |
| 28/03/2020 13:54 | 7 | 280.15 | 29.61 | 100.27 | 4.28 | 40.15 | 1.14 | 48.43 | 7.65 | 0.22 |
| 28/03/2020 13:55 | 7.1 | 280.25 | 29.61 | 100.27 | 4.32 | 40.38 | 1.14 | 48.45 | 7.65 | 0.22 |
| 28/03/2020 13:56 | 7.1 | 280.25 | 29.61 | 100.27 | 4.28 | 40.14 | 1.14 | 48.87 | 7.68 | 0.22 |
| 28/03/2020 13:57 | 7.1 | 280.25 | 29.61 | 100.27 | 4.25 | 39.96 | 1.13 | 49.32 | 7.71 | 0.22 |
| 28/03/2020 13:58 | 7.1 | 280.25 | 29.61 | 100.27 | 4.25 | 39.96 | 1.13 | 48.92 | 7.68 | 0.22 |
| 28/03/2020 13:59 | 7 | 280.15 | 29.61 | 100.27 | 4.27 | 40.09 | 1.14 | 49.17 | 7.7 | 0.22 |
| 28/03/2020 14:00 | 7 | 280.15 | 29.61 | 100.27 | 4.28 | 40.15 | 1.14 | 48.74 | 7.67 | 0.22 |
| 28/03/2020 14:01 | 7 | 280.15 | 29.61 | 100.27 | 4.28 | 40.15 | 1.14 | 48.7 | 7.67 | 0.22 |
| 28/03/2020 14:02 | 7 | 280.15 | 29.61 | 100.27 | 4.28 | 40.15 | 1.14 | 48.31 | 7.64 | 0.22 |
| 28/03/2020 14:03 | 7 | 280.15 | 29.61 | 100.27 | 4.26 | 40.03 | 1.13 | 48.35 | 7.64 | 0.22 |
| 28/03/2020 14:04 | 7.1 | 280.25 | 29.61 | 100.27 | 4.27 | 40.08 | 1.13 | 48.94 | 7.68 | 0.22 |
| 28/03/2020 14:05 | 7.1 | 280.25 | 29.61 | 100.27 | 4.25 | 39.96 | 1.13 | 48.97 | 7.68 | 0.22 |
| 28/03/2020 14:06 | 7 | 280.15 | 29.61 | 100.27 | 4.3 | 40.27 | 1.14 | 47.95 | 7.61 | 0.22 |
| 28/03/2020 14:07 | 7.1 | 280.25 | 29.61 | 100.27 | 4.28 | 40.14 | 1.14 | 49.03 | 7.69 | 0.22 |
| 28/03/2020 14:08 | 7.1 | 280.25 | 29.62 | 100.3 | 4.32 | 40.39 | 1.14 | 48.12 | 7.62 | 0.22 |
| 28/03/2020 14:09 | 7.2 | 280.35 | 29.61 | 100.27 | 4.28 | 40.13 | 1.14 | 47.94 | 7.61 | 0.22 |
| 28/03/2020 14:10 | 7.2 | 280.35 | 29.61 | 100.27 | 4.29 | 40.19 | 1.14 | 48.34 | 7.64 | 0.22 |
| 28/03/2020 14:11 | 7.2 | 280.35 | 29.61 | 100.27 | 4.28 | 40.13 | 1.14 | 48.3 | 7.64 | 0.22 |
| 28/03/2020 14:12 | 7.2 | 280.35 | 29.61 | 100.27 | 4.24 | 39.89 | 1.13 | 48.24 | 7.63 | 0.22 |
| 28/03/2020 14:13 | 7.1 | 280.25 | 29.61 | 100.27 | 4.26 | 40.02 | 1.13 | 48.14 | 7.63 | 0.22 |
| 28/03/2020 14:14 | 7.1 | 280.25 | 29.61 | 100.27 | 4.24 | 39.9 | 1.13 | 48.59 | 7.66 | 0.22 |
| 28/03/2020 14:15 | 7.2 | 280.35 | 29.61 | 100.27 | 4.3 | 40.25 | 1.14 | 48.4 | 7.64 | 0.22 |
| 28/03/2020 14:16 | 7.2 | 280.35 | 29.62 | 100.3 | 4.31 | 40.32 | 1.14 | 48.19 | 7.63 | 0.22 |
| 28/03/2020 14:17 | 7.2 | 280.35 | 29.61 | 100.27 | 4.34 | 40.49 | 1.15 | 48.62 | 7.66 | 0.22 |
| 28/03/2020 14:18 | 7.2 | 280.35 | 29.61 | 100.27 | 4.26 | 40.01 | 1.13 | 48.88 | 7.68 | 0.22 |
| 28/03/2020 14:19 | 7.3 | 280.45 | 29.61 | 100.27 | 4.27 | 40.06 | 1.13 | 48.3 | 7.63 | 0.22 |
| 28/03/2020 14:20 | 7.4 | 280.55 | 29.61 | 100.27 | 4.26 | 39.99 | 1.13 | 48.42 | 7.64 | 0.22 |
| 28/03/2020 14:21 | 7.4 | 280.55 | 29.62 | 100.3 | 4.24 | 39.88 | 1.13 | 48.2 | 7.63 | 0.22 |
| 28/03/2020 14:22 | 7.5 | 280.65 | 29.62 | 100.3 | 4.28 | 40.11 | 1.14 | 48.82 | 7.67 | 0.22 |
| 28/03/2020 14:23 | 7.6 | 280.75 | 29.61 | 100.27 | 4.25 | 39.91 | 1.13 | 48.45 | 7.64 | 0.22 |
| 28/03/2020 14:24 | 7.6 | 280.75 | 29.62 | 100.3 | 4.35 | 40.52 | 1.15 | 48.19 | 7.62 | 0.22 |
| 28/03/2020 14:25 | 7.6 | 280.75 | 29.61 | 100.27 | 4.24 | 39.85 | 1.13 | 48.76 | 7.66 | 0.22 |
| 28/03/2020 14:26 | 7.6 | 280.75 | 29.61 | 100.27 | 4.28 | 40.09 | 1.14 | 48.73 | 7.66 | 0.22 |
| 28/03/2020 14:27 | 7.6 | 280.75 | 29.61 | 100.27 | 4.28 | 40.09 | 1.14 | 48.54 | 7.65 | 0.22 |
| 28/03/2020 14:28 | 7.6 | 280.75 | 29.61 | 100.27 | 4.27 | 40.03 | 1.13 | 48.73 | 7.66 | 0.22 |
| 28/03/2020 14:29 | 7.7 | 280.85 | 29.61 | 100.27 | 4.31 | 40.26 | 1.14 | 48.79 | 7.66 | 0.22 |
| 28/03/2020 14:30 | 7.8 | 280.95 | 29.61 | 100.27 | 4.24 | 39.84 | 1.13 | 48.35 | 7.63 | 0.22 |
| 28/03/2020 14:31 | 7.8 | 280.95 | 29.61 | 100.27 | 4.22 | 39.72 | 1.12 | 48.58 | 7.65 | 0.22 |
| 28/03/2020 14:32 | 7.8 | 280.95 | 29.61 | 100.27 | 4.23 | 39.78 | 1.13 | 48.64 | 7.65 | 0.22 |
| 28/03/2020 14:33 | 7.7 | 280.85 | 29.61 | 100.27 | 4.29 | 40.14 | 1.14 | 47.87 | 7.6 | 0.22 |
| 28/03/2020 14:34 | 7.7 | 280.85 | 29.62 | 100.3 | 4.26 | 39.97 | 1.13 | 48.63 | 7.65 | 0.22 |
| 28/03/2020 14:35 | 7.7 | 280.85 | 29.62 | 100.3 | 4.26 | 39.97 | 1.13 | 48.31 | 7.63 | 0.22 |
| 28/03/2020 14:36 | 7.8 | 280.95 | 29.62 | 100.3 | 4.28 | 40.08 | 1.13 | 48.29 | 7.63 | 0.22 |
| 28/03/2020 14:37 | 7.8 | 280.95 | 29.62 | 100.3 | 4.25 | 39.9 | 1.13 | 48 | 7.61 | 0.22 |
| 28/03/2020 14:38 | 7.9 | 281.05 | 29.62 | 100.3 | 4.23 | 39.77 | 1.13 | 47.7 | 7.58 | 0.21 |
| 28/03/2020 14:39 | 8 | 281.15 | 29.62 | 100.3 | 4.27 | 40.01 | 1.13 | 48.05 | 7.61 | 0.22 |
| 28/03/2020 14:40 | 8 | 281.15 | 29.62 | 100.3 | 4.24 | 39.83 | 1.13 | 47.62 | 7.58 | 0.21 |
| 28/03/2020 14:41 | 7.9 | 281.05 | 29.61 | 100.27 | 4.26 | 39.95 | 1.13 | 47.93 | 7.6 | 0.22 |
| 28/03/2020 14:42 | 7.9 | 281.05 | 29.61 | 100.27 | 4.26 | 39.95 | 1.13 | 49.17 | 7.69 | 0.22 |
| 28/03/2020 14:43 | 7.8 | 280.95 | 29.61 | 100.27 | 4.19 | 39.54 | 1.12 | 48.77 | 7.66 | 0.22 |
| 28/03/2020 14:44 | 7.8 | 280.95 | 29.61 | 100.27 | 4.26 | 39.96 | 1.13 | 48.21 | 7.62 | 0.22 |
| 28/03/2020 14:45 | 7.8 | 280.95 | 29.61 | 100.27 | 4.34 | 40.43 | 1.14 | 48.08 | 7.61 | 0.22 |
| 28/03/2020 14:46 | 7.8 | 280.95 | 29.61 | 100.27 | 4.35 | 40.49 | 1.15 | 48.09 | 7.61 | 0.22 |
| 28/03/2020 14:47 | 7.8 | 280.95 | 29.61 | 100.27 | 4.26 | 39.96 | 1.13 | 48.41 | 7.64 | 0.22 |
| 28/03/2020 14:48 | 7.8 | 280.95 | 29.6 | 100.24 | 4.27 | 40.01 | 1.13 | 48.51 | 7.64 | 0.22 |
| 28/03/2020 14:49 | 7.8 | 280.95 | 29.6 | 100.24 | 4.25 | 39.89 | 1.13 | 48.45 | 7.64 | 0.22 |
| 28/03/2020 14:50 | 7.8 | 280.95 | 29.6 | 100.24 | 4.28 | 40.07 | 1.13 | 48.35 | 7.63 | 0.22 |
| 28/03/2020 14:51 | 7.9 | 281.05 | 29.6 | 100.24 | 4.29 | 40.12 | 1.14 | 48.66 | 7.65 | 0.22 |
| 28/03/2020 14:52 | 7.9 | 281.05 | 29.6 | 100.24 | 4.26 | 39.94 | 1.13 | 48.37 | 7.63 | 0.22 |
| 28/03/2020 14:53 | 7.9 | 281.05 | 29.6 | 100.24 | 4.24 | 39.82 | 1.13 | 48.87 | 7.67 | 0.22 |
| 28/03/2020 14:54 | 7.9 | 281.05 | 29.6 | 100.24 | 4.2 | 39.58 | 1.12 | 48.3 | 7.63 | 0.22 |
| 28/03/2020 14:55 | 7.8 | 280.95 | 29.6 | 100.24 | 4.24 | 39.83 | 1.13 | 48.19 | 7.62 | 0.22 |
| 28/03/2020 14:56 | 7.8 | 280.95 | 29.59 | 100.2 | 4.27 | 40 | 1.13 | 48.42 | 7.63 | 0.22 |
| 28/03/2020 14:57 | 7.8 | 280.95 | 29.59 | 100.2 | 4.26 | 39.94 | 1.13 | 48.52 | 7.64 | 0.22 |
| 28/03/2020 14:58 | 7.8 | 280.95 | 29.59 | 100.2 | 4.23 | 39.76 | 1.13 | 48.28 | 7.62 | 0.22 |
| 28/03/2020 14:59 | 7.9 | 281.05 | 29.58 | 100.17 | 4.22 | 39.68 | 1.12 | 47.79 | 7.59 | 0.21 |
| 28/03/2020 15:00 | 7.9 | 281.05 | 29.58 | 100.17 | 4.3 | 40.16 | 1.14 | 48.45 | 7.63 | 0.22 |
| 28/03/2020 15:01 | 7.9 | 281.05 | 29.59 | 100.2 | 4.24 | 39.81 | 1.13 | 47.38 | 7.56 | 0.21 |
| 28/03/2020 15:02 | 7.9 | 281.05 | 29.59 | 100.2 | 4.28 | 40.05 | 1.13 | 48.51 | 7.64 | 0.22 |
| 28/03/2020 15:03 | 7.9 | 281.05 | 29.59 | 100.2 | 4.23 | 39.75 | 1.13 | 48.81 | 7.66 | 0.22 |
| 28/03/2020 15:04 | 7.9 | 281.05 | 29.59 | 100.2 | 4.27 | 39.99 | 1.13 | 48.19 | 7.62 | 0.22 |
| 28/03/2020 15:05 | 8 | 281.15 | 29.59 | 100.2 | 4.26 | 39.92 | 1.13 | 48.75 | 7.66 | 0.22 |
| 28/03/2020 15:06 | 8 | 281.15 | 29.59 | 100.2 | 4.23 | 39.74 | 1.13 | 48.54 | 7.64 | 0.22 |
| 28/03/2020 15:07 | 8 | 281.15 | 29.59 | 100.2 | 4.26 | 39.92 | 1.13 | 48.08 | 7.61 | 0.22 |
| 28/03/2020 15:08 | 8 | 281.15 | 29.59 | 100.2 | 4.24 | 39.8 | 1.13 | 48.14 | 7.61 | 0.22 |
| 28/03/2020 15:09 | 8.1 | 281.25 | 29.59 | 100.2 | 4.26 | 39.91 | 1.13 | 48.05 | 7.6 | 0.22 |
| 28/03/2020 15:10 | 8.1 | 281.25 | 29.59 | 100.2 | 4.21 | 39.61 | 1.12 | 48.68 | 7.65 | 0.22 |
| 28/03/2020 15:11 | 8.2 | 281.35 | 29.59 | 100.2 | 4.24 | 39.78 | 1.13 | 48.14 | 7.61 | 0.22 |
| 28/03/2020 15:12 | 8.2 | 281.35 | 29.59 | 100.2 | 4.25 | 39.84 | 1.13 | 48.04 | 7.6 | 0.22 |

Station: RofD Rundle Periodically: 28/03/2020 00:00-28/03/2020 23:59 Type: AVG 1 Min. [1 Min.]

| | | | Courtice | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date & Time | Temperature - Ambient | Temperature - Ambient | Pressure | Pressure | Hi-Vol Pressure | HiVol | | PUF Pressure | PUF | |
| | C° | K° | in HG | kPa | in H20 | cfm | m3 | in H20 | cfm | m3 |
| 28/03/2020 15:13 | 8.2 | 281.35 | 29.59 | 100.2 | 4.25 | 39.84 | 1.13 | 47.85 | 7.59 | 0.21 |
| 28/03/2020 15:14 | 8.3 | 281.45 | 29.59 | 100.2 | 4.2 | 39.53 | 1.12 | 48.3 | 7.62 | 0.22 |
| 28/03/2020 15:15 | 8.2 | 281.35 | 29.58 | 100.17 | 4.26 | 39.89 | 1.13 | 48.04 | 7.6 | 0.22 |
| 28/03/2020 15:16 | 8.3 | 281.45 | 29.59 | 100.2 | 4.26 | 39.89 | 1.13 | 47.61 | 7.57 | 0.21 |
| 28/03/2020 15:17 | 8.4 | 281.55 | 29.59 | 100.2 | 4.22 | 39.64 | 1.12 | 48.29 | 7.62 | 0.22 |
| 28/03/2020 15:18 | 8.5 | 281.65 | 29.59 | 100.2 | 4.21 | 39.58 | 1.12 | 47.72 | 7.58 | 0.21 |
| 28/03/2020 15:19 | 8.5 | 281.65 | 29.59 | 100.2 | 4.26 | 39.87 | 1.13 | 47.38 | 7.55 | 0.21 |
| 28/03/2020 15:20 | 8.4 | 281.55 | 29.59 | 100.2 | 4.26 | 39.88 | 1.13 | 48.31 | 7.62 | 0.22 |
| 28/03/2020 15:21 | 8.4 | 281.55 | 29.59 | 100.2 | 4.19 | 39.46 | 1.12 | 48.79 | 7.65 | 0.22 |
| 28/03/2020 15:22 | 8.3 | 281.45 | 29.59 | 100.2 | 4.29 | 40.07 | 1.13 | 48.7 | 7.65 | 0.22 |
| 28/03/2020 15:23 | 8.4 | 281.55 | 29.59 | 100.2 | 4.24 | 39.76 | 1.13 | 48.15 | 7.61 | 0.22 |
| 28/03/2020 15:24 | 8.5 | 281.65 | 29.59 | 100.2 | 4.25 | 39.82 | 1.13 | 48.17 | 7.61 | 0.22 |
| 28/03/2020 15:25 | 8.5 | 281.65 | 29.59 | 100.2 | 4.28 | 39.99 | 1.13 | 47.72 | 7.58 | 0.21 |
| 28/03/2020 15:26 | 8.6 | 281.75 | 29.59 | 100.2 | 4.23 | 39.69 | 1.12 | 48.43 | 7.62 | 0.22 |
| 28/03/2020 15:27 | 8.7 | 281.85 | 29.59 | 100.2 | 4.23 | 39.68 | 1.12 | 48.29 | 7.61 | 0.22 |
| 28/03/2020 15:28 | 8.7 | 281.85 | 29.59 | 100.2 | 4.24 | 39.74 | 1.13 | 48.25 | 7.61 | 0.22 |
| 28/03/2020 15:29 | 8.7 | 281.85 | 29.59 | 100.2 | 4.23 | 39.68 | 1.12 | 47.88 | 7.58 | 0.21 |
| 28/03/2020 15:30 | 8.7 | 281.85 | 29.59 | 100.2 | 4.19 | 39.44 | 1.12 | 48.16 | 7.6 | 0.22 |
| 28/03/2020 15:31 | 8.7 | 281.85 | 29.59 | 100.2 | 4.22 | 39.62 | 1.12 | 47.89 | 7.58 | 0.21 |
| 28/03/2020 15:32 | 8.7 | 281.85 | 29.59 | 100.2 | 4.21 | 39.56 | 1.12 | 47.66 | 7.57 | 0.21 |
| 28/03/2020 15:33 | 8.7 | 281.85 | 29.6 | 100.24 | 4.27 | 39.93 | 1.13 | 48.02 | 7.6 | 0.22 |
| 28/03/2020 15:34 | 8.7 | 281.85 | 29.6 | 100.24 | 4.23 | 39.69 | 1.12 | 48.11 | 7.6 | 0.22 |
| 28/03/2020 15:35 | 8.7 | 281.85 | 29.6 | 100.24 | 4.23 | 39.69 | 1.12 | 47.53 | 7.56 | 0.21 |
| 28/03/2020 15:36 | 8.7 | 281.85 | 29.6 | 100.24 | 4.23 | 39.69 | 1.12 | 48.5 | 7.63 | 0.22 |
| 28/03/2020 15:37 | 8.7 | 281.85 | 29.6 | 100.24 | 4.26 | 39.87 | 1.13 | 48.55 | 7.63 | 0.22 |
| 28/03/2020 15:38 | 8.8 | 281.95 | 29.6 | 100.24 | 4.2 | 39.5 | 1.12 | 48.07 | 7.6 | 0.22 |
| 28/03/2020 15:39 | 8.8 | 281.95 | 29.6 | 100.24 | 4.24 | 39.74 | 1.13 | 47.88 | 7.58 | 0.21 |
| 28/03/2020 15:40 | 8.8 | 281.95 | 29.6 | 100.24 | 4.2 | 39.5 | 1.12 | 47.7 | 7.57 | 0.21 |
| 28/03/2020 15:41 | 8.8 | 281.95 | 29.6 | 100.24 | 4.19 | 39.44 | 1.12 | 48.04 | 7.6 | 0.22 |
| 28/03/2020 15:42 | 8.8 | 281.95 | 29.6 | 100.24 | 4.24 | 39.74 | 1.13 | 48.22 | 7.61 | 0.22 |
| 28/03/2020 15:43 | 8.8 | 281.95 | 29.6 | 100.24 | 4.14 | 39.14 | 1.11 | 47.82 | 7.58 | 0.21 |
| 28/03/2020 15:44 | 8.9 | 282.05 | 29.61 | 100.27 | 4.26 | 39.86 | 1.13 | 48.11 | 7.6 | 0.22 |
| 28/03/2020 15:45 | 8.8 | 281.95 | 29.61 | 100.27 | 4.26 | 39.87 | 1.13 | 47.69 | 7.57 | 0.21 |
| 28/03/2020 15:46 | 8.8 | 281.95 | 29.6 | 100.24 | 4.22 | 39.62 | 1.12 | 48.19 | 7.61 | 0.22 |
| 28/03/2020 15:47 | 8.5 | 281.65 | 29.6 | 100.24 | 4.19 | 39.46 | 1.12 | 48.05 | 7.6 | 0.22 |
| 28/03/2020 15:48 | 8.1 | 281.25 | 29.6 | 100.24 | 4.26 | 39.92 | 1.13 | 47.79 | 7.59 | 0.21 |
| 28/03/2020 15:49 | 7.9 | 281.05 | 29.6 | 100.24 | 4.26 | 39.94 | 1.13 | 48.29 | 7.62 | 0.22 |
| 28/03/2020 15:50 | 7.6 | 280.75 | 29.6 | 100.24 | 4.3 | 40.21 | 1.14 | 48.53 | 7.65 | 0.22 |
| 28/03/2020 15:51 | 7.5 | 280.65 | 29.6 | 100.24 | 4.24 | 39.86 | 1.13 | 47.59 | 7.58 | 0.21 |
| 28/03/2020 15:52 | 7.4 | 280.55 | 29.6 | 100.24 | 4.24 | 39.86 | 1.13 | 48.44 | 7.64 | 0.22 |
| 28/03/2020 15:53 | 7.4 | 280.55 | 29.6 | 100.24 | 4.29 | 40.16 | 1.14 | 48.09 | 7.62 | 0.22 |
| 28/03/2020 15:54 | 7.4 | 280.55 | 29.6 | 100.24 | 4.26 | 39.98 | 1.13 | 48.37 | 7.64 | 0.22 |
| 28/03/2020 15:55 | 7.3 | 280.45 | 29.6 | 100.24 | 4.3 | 40.23 | 1.14 | 48.17 | 7.62 | 0.22 |
| 28/03/2020 15:56 | 7.3 | 280.45 | 29.6 | 100.24 | 4.27 | 40.05 | 1.13 | 48.26 | 7.63 | 0.22 |
| 28/03/2020 15:57 | 7.4 | 280.55 | 29.61 | 100.27 | 4.29 | 40.17 | 1.14 | 48.68 | 7.66 | 0.22 |
| 28/03/2020 15:58 | 7.4 | 280.55 | 29.6 | 100.24 | 4.27 | 40.04 | 1.13 | 48.75 | 7.66 | 0.22 |
| 28/03/2020 15:59 | 7.5 | 280.65 | 29.61 | 100.27 | 4.24 | 39.86 | 1.13 | 48.29 | 7.63 | 0.22 |
| 28/03/2020 16:00 | 7.5 | 280.65 | 29.61 | 100.27 | 4.24 | 39.86 | 1.13 | 48.28 | 7.63 | 0.22 |
| 28/03/2020 16:01 | 7.4 | 280.55 | 29.61 | 100.27 | 4.27 | 40.05 | 1.13 | 48.47 | 7.65 | 0.22 |
| 28/03/2020 16:02 | 7.4 | 280.55 | 29.61 | 100.27 | 4.24 | 39.87 | 1.13 | 48.64 | 7.66 | 0.22 |
| 28/03/2020 16:03 | 7.4 | 280.55 | 29.61 | 100.27 | 4.26 | 39.99 | 1.13 | 48.33 | 7.63 | 0.22 |
| 28/03/2020 16:04 | 7.4 | 280.55 | 29.61 | 100.27 | 4.24 | 39.87 | 1.13 | 48.03 | 7.61 | 0.22 |
| 28/03/2020 16:05 | 7.5 | 280.65 | 29.61 | 100.27 | 4.27 | 40.04 | 1.13 | 48.53 | 7.65 | 0.22 |
| 28/03/2020 16:06 | 7.5 | 280.65 | 29.61 | 100.27 | 4.27 | 40.04 | 1.13 | 48.45 | 7.64 | 0.22 |
| 28/03/2020 16:07 | 7.6 | 280.75 | 29.61 | 100.27 | 4.3 | 40.21 | 1.14 | 48.38 | 7.64 | 0.22 |
| 28/03/2020 16:08 | 7.6 | 280.75 | 29.61 | 100.27 | 4.26 | 39.97 | 1.13 | 47.8 | 7.59 | 0.21 |
| 28/03/2020 16:09 | 7.6 | 280.75 | 29.61 | 100.27 | 4.29 | 40.15 | 1.14 | 47.44 | 7.57 | 0.21 |
| 28/03/2020 16:10 | 7.6 | 280.75 | 29.61 | 100.27 | 4.31 | 40.27 | 1.14 | 48.03 | 7.61 | 0.22 |
| 28/03/2020 16:11 | 7.7 | 280.85 | 29.61 | 100.27 | 4.21 | 39.66 | 1.12 | 48.38 | 7.63 | 0.22 |
| 28/03/2020 16:12 | 7.7 | 280.85 | 29.61 | 100.27 | 4.3 | 40.2 | 1.14 | 48.43 | 7.64 | 0.22 |
| 28/03/2020 16:13 | 7.7 | 280.85 | 29.61 | 100.27 | 4.26 | 39.97 | 1.13 | 47.89 | 7.6 | 0.22 |
| 28/03/2020 16:14 | 7.8 | 280.95 | 29.61 | 100.27 | 4.23 | 39.78 | 1.13 | 48.02 | 7.61 | 0.22 |
| 28/03/2020 16:15 | 7.8 | 280.95 | 29.61 | 100.27 | 4.26 | 39.96 | 1.13 | 47.97 | 7.6 | 0.22 |
| 28/03/2020 16:16 | 7.8 | 280.95 | 29.61 | 100.27 | 4.26 | 39.96 | 1.13 | 48.33 | 7.63 | 0.22 |
| 28/03/2020 16:17 | 7.8 | 280.95 | 29.61 | 100.27 | 4.24 | 39.84 | 1.13 | 47.59 | 7.58 | 0.21 |
| 28/03/2020 16:18 | 7.8 | 280.95 | 29.61 | 100.27 | 4.28 | 40.08 | 1.13 | 47.85 | 7.6 | 0.22 |
| 28/03/2020 16:19 | 7.8 | 280.95 | 29.61 | 100.27 | 4.27 | 40.02 | 1.13 | 47.71 | 7.59 | 0.21 |
| 28/03/2020 16:20 | 7.8 | 280.95 | 29.61 | 100.27 | 4.29 | 40.14 | 1.14 | 48.04 | 7.61 | 0.22 |
| 28/03/2020 16:21 | 7.8 | 280.95 | 29.61 | 100.27 | 4.25 | 39.9 | 1.13 | 47.76 | 7.59 | 0.21 |
| 28/03/2020 16:22 | 7.8 | 280.95 | 29.61 | 100.27 | 4.28 | 40.08 | 1.13 | 47.99 | 7.61 | 0.22 |
| 28/03/2020 16:23 | 7.8 | 280.95 | 29.61 | 100.27 | 4.27 | 40.02 | 1.13 | 47.93 | 7.6 | 0.22 |
| 28/03/2020 16:24 | 7.8 | 280.95 | 29.61 | 100.27 | 4.27 | 40.02 | 1.13 | 48.23 | 7.62 | 0.22 |
| 28/03/2020 16:25 | 7.8 | 280.95 | 29.61 | 100.27 | 4.24 | 39.84 | 1.13 | 47.94 | 7.6 | 0.22 |
| 28/03/2020 16:26 | 7.8 | 280.95 | 29.61 | 100.27 | 4.27 | 40.02 | 1.13 | 47.69 | 7.58 | 0.21 |
| 28/03/2020 16:27 | 7.8 | 280.95 | 29.61 | 100.27 | 4.23 | 39.78 | 1.13 | 48.06 | 7.61 | 0.22 |
| 28/03/2020 16:28 | 7.8 | 280.95 | 29.61 | 100.27 | 4.28 | 40.08 | 1.13 | 47.57 | 7.58 | 0.21 |
| 28/03/2020 16:29 | 7.9 | 281.05 | 29.61 | 100.27 | 4.28 | 40.07 | 1.13 | 47.68 | 7.58 | 0.21 |
| 28/03/2020 16:30 | 7.9 | 281.05 | 29.61 | 100.27 | 4.26 | 39.95 | 1.13 | 48.28 | 7.63 | 0.22 |
| 28/03/2020 16:31 | 7.9 | 281.05 | 29.61 | 100.27 | 4.24 | 39.83 | 1.13 | 47.82 | 7.59 | 0.21 |
| 28/03/2020 16:32 | 7.9 | 281.05 | 29.61 | 100.27 | 4.28 | 40.07 | 1.13 | 47.91 | 7.6 | 0.22 |
| 28/03/2020 16:33 | 7.9 | 281.05 | 29.61 | 100.27 | 4.25 | 39.89 | 1.13 | 47.86 | 7.59 | 0.21 |
| 28/03/2020 16:34 | 8 | 281.15 | 29.61 | 100.27 | 4.25 | 39.88 | 1.13 | 47.84 | 7.59 | 0.21 |
| 28/03/2020 16:35 | 8 | 281.15 | 29.61 | 100.27 | 4.25 | 39.88 | 1.13 | 47.85 | 7.59 | 0.21 |

Station: RofD Rundle Periodically: 28/03/2020 00:00-28/03/2020 23:59 Type: AVG 1 Min. [1 Min.]

| | | | Courtice | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date & Time | Temperature - Ambient | Temperature - Ambient | Pressure | Pressure | Hi-Vol Pressure | HiVol | | PUF Pressure | PUF | |
| | C° | K° | in HG | kPa | in H20 | cfm | m3 | in H20 | cfm | m3 |
| 28/03/2020 16:36 | 8 | 281.15 | 29.61 | 100.27 | 4.28 | 40.06 | 1.13 | 47.79 | 7.59 | 0.21 |
| 28/03/2020 16:37 | 8 | 281.15 | 29.6 | 100.24 | 4.25 | 39.87 | 1.13 | 47.62 | 7.58 | 0.21 |
| 28/03/2020 16:38 | 8 | 281.15 | 29.61 | 100.27 | 4.27 | 40 | 1.13 | 47.79 | 7.59 | 0.21 |
| 28/03/2020 16:39 | 7.9 | 281.05 | 29.61 | 100.27 | 4.27 | 40.01 | 1.13 | 48.13 | 7.61 | 0.22 |
| 28/03/2020 16:40 | 8 | 281.15 | 29.6 | 100.24 | 4.25 | 39.87 | 1.13 | 48.14 | 7.61 | 0.22 |
| 28/03/2020 16:41 | 8 | 281.15 | 29.61 | 100.27 | 4.3 | 40.18 | 1.14 | 47.82 | 7.59 | 0.21 |
| 28/03/2020 16:42 | 8 | 281.15 | 29.6 | 100.24 | 4.26 | 39.93 | 1.13 | 47.89 | 7.59 | 0.21 |
| 28/03/2020 16:43 | 7.9 | 281.05 | 29.61 | 100.27 | 4.27 | 40.01 | 1.13 | 47.55 | 7.57 | 0.21 |
| 28/03/2020 16:44 | 8 | 281.15 | 29.61 | 100.27 | 4.22 | 39.7 | 1.12 | 48.03 | 7.61 | 0.22 |
| 28/03/2020 16:45 | 8 | 281.15 | 29.6 | 100.24 | 4.27 | 39.99 | 1.13 | 47.77 | 7.59 | 0.21 |
| 28/03/2020 16:46 | 8 | 281.15 | 29.61 | 100.27 | 4.26 | 39.94 | 1.13 | 47.73 | 7.58 | 0.21 |
| 28/03/2020 16:47 | 8 | 281.15 | 29.6 | 100.24 | 4.29 | 40.11 | 1.14 | 47.85 | 7.59 | 0.21 |
| 28/03/2020 16:48 | 7.9 | 281.05 | 29.61 | 100.27 | 4.25 | 39.89 | 1.13 | 48.14 | 7.62 | 0.22 |
| 28/03/2020 16:49 | 7.9 | 281.05 | 29.61 | 100.27 | 4.25 | 39.89 | 1.13 | 48.11 | 7.61 | 0.22 |
| 28/03/2020 16:50 | 7.9 | 281.05 | 29.61 | 100.27 | 4.28 | 40.07 | 1.13 | 48.22 | 7.62 | 0.22 |
| 28/03/2020 16:51 | 7.9 | 281.05 | 29.61 | 100.27 | 4.31 | 40.25 | 1.14 | 47.85 | 7.59 | 0.21 |
| 28/03/2020 16:52 | 7.9 | 281.05 | 29.61 | 100.27 | 4.26 | 39.95 | 1.13 | 48.13 | 7.61 | 0.22 |
| 28/03/2020 16:53 | 8 | 281.15 | 29.61 | 100.27 | 4.25 | 39.88 | 1.13 | 48.35 | 7.63 | 0.22 |
| 28/03/2020 16:54 | 8 | 281.15 | 29.61 | 100.27 | 4.26 | 39.94 | 1.13 | 48.2 | 7.62 | 0.22 |
| 28/03/2020 16:55 | 8 | 281.15 | 29.61 | 100.27 | 4.29 | 40.12 | 1.14 | 47.66 | 7.58 | 0.21 |
| 28/03/2020 16:56 | 8 | 281.15 | 29.61 | 100.27 | 4.24 | 39.82 | 1.13 | 47.88 | 7.6 | 0.22 |
| 28/03/2020 16:57 | 7.9 | 281.05 | 29.61 | 100.27 | 4.29 | 40.13 | 1.14 | 48.42 | 7.64 | 0.22 |
| 28/03/2020 16:58 | 7.9 | 281.05 | 29.6 | 100.24 | 4.23 | 39.76 | 1.13 | 47.94 | 7.6 | 0.22 |
| 28/03/2020 16:59 | 7.8 | 280.95 | 29.61 | 100.27 | 4.26 | 39.96 | 1.13 | 48.48 | 7.64 | 0.22 |
| 28/03/2020 17:00 | 7.8 | 280.95 | 29.6 | 100.24 | 4.27 | 40.01 | 1.13 | 48.2 | 7.62 | 0.22 |
| 28/03/2020 17:01 | 7.7 | 280.85 | 29.61 | 100.27 | 4.27 | 40.03 | 1.13 | 48.23 | 7.62 | 0.22 |
| 28/03/2020 17:02 | 7.7 | 280.85 | 29.61 | 100.27 | 4.26 | 39.97 | 1.13 | 48.08 | 7.61 | 0.22 |
| 28/03/2020 17:03 | 7.6 | 280.75 | 29.61 | 100.27 | 4.25 | 39.91 | 1.13 | 48.38 | 7.64 | 0.22 |
| 28/03/2020 17:04 | 7.6 | 280.75 | 29.61 | 100.27 | 4.26 | 39.97 | 1.13 | 48.48 | 7.64 | 0.22 |
| 28/03/2020 17:05 | 7.5 | 280.65 | 29.61 | 100.27 | 4.28 | 40.1 | 1.14 | 48.61 | 7.65 | 0.22 |
| 28/03/2020 17:06 | 7.5 | 280.65 | 29.61 | 100.27 | 4.25 | 39.92 | 1.13 | 48.23 | 7.63 | 0.22 |
| 28/03/2020 17:07 | 7.5 | 280.65 | 29.61 | 100.27 | 4.23 | 39.8 | 1.13 | 48.55 | 7.65 | 0.22 |
| 28/03/2020 17:08 | 7.5 | 280.65 | 29.6 | 100.24 | 4.32 | 40.33 | 1.14 | 48.56 | 7.65 | 0.22 |
| 28/03/2020 17:09 | 7.4 | 280.55 | 29.61 | 100.27 | 4.28 | 40.11 | 1.14 | 48.59 | 7.65 | 0.22 |
| 28/03/2020 17:10 | 7.4 | 280.55 | 29.61 | 100.27 | 4.28 | 40.11 | 1.14 | 48.89 | 7.68 | 0.22 |
| 28/03/2020 17:11 | 7.3 | 280.45 | 29.6 | 100.24 | 4.29 | 40.17 | 1.14 | 48.62 | 7.66 | 0.22 |
| 28/03/2020 17:12 | 7.3 | 280.45 | 29.6 | 100.24 | 4.33 | 40.41 | 1.14 | 48.61 | 7.66 | 0.22 |
| 28/03/2020 17:13 | 7.3 | 280.45 | 29.6 | 100.24 | 4.31 | 40.29 | 1.14 | 48.35 | 7.64 | 0.22 |
| 28/03/2020 17:14 | 7.3 | 280.45 | 29.6 | 100.24 | 4.27 | 40.05 | 1.13 | 49.2 | 7.7 | 0.22 |
| 28/03/2020 17:15 | 7.4 | 280.55 | 29.6 | 100.24 | 4.23 | 39.8 | 1.13 | 48.35 | 7.64 | 0.22 |
| 28/03/2020 17:16 | 7.4 | 280.55 | 29.6 | 100.24 | 4.32 | 40.34 | 1.14 | 48.72 | 7.66 | 0.22 |
| 28/03/2020 17:17 | 7.4 | 280.55 | 29.6 | 100.24 | 4.24 | 39.86 | 1.13 | 48.45 | 7.64 | 0.22 |
| 28/03/2020 17:18 | 7.4 | 280.55 | 29.6 | 100.24 | 4.26 | 39.98 | 1.13 | 48.41 | 7.64 | 0.22 |
| 28/03/2020 17:19 | 7.4 | 280.55 | 29.6 | 100.24 | 4.27 | 40.04 | 1.13 | 48.43 | 7.64 | 0.22 |
| 28/03/2020 17:20 | 7.5 | 280.65 | 29.6 | 100.24 | 4.3 | 40.21 | 1.14 | 48.66 | 7.66 | 0.22 |
| 28/03/2020 17:21 | 7.5 | 280.65 | 29.6 | 100.24 | 4.32 | 40.33 | 1.14 | 48.48 | 7.64 | 0.22 |
| 28/03/2020 17:22 | 7.5 | 280.65 | 29.61 | 100.27 | 4.29 | 40.16 | 1.14 | 48.43 | 7.64 | 0.22 |
| 28/03/2020 17:23 | 7.6 | 280.75 | 29.6 | 100.24 | 4.29 | 40.15 | 1.14 | 49.03 | 7.68 | 0.22 |
| 28/03/2020 17:24 | 7.6 | 280.75 | 29.61 | 100.27 | 4.28 | 40.09 | 1.14 | 48.49 | 7.64 | 0.22 |
| 28/03/2020 17:25 | 7.5 | 280.65 | 29.61 | 100.27 | 4.27 | 40.04 | 1.13 | 48.61 | 7.65 | 0.22 |
| 28/03/2020 17:26 | 7.4 | 280.55 | 29.61 | 100.27 | 4.25 | 39.93 | 1.13 | 48.57 | 7.65 | 0.22 |
| 28/03/2020 17:27 | 7.1 | 280.25 | 29.61 | 100.27 | 4.24 | 39.9 | 1.13 | 48.76 | 7.67 | 0.22 |
| 28/03/2020 17:28 | 6.8 | 279.95 | 29.61 | 100.27 | 4.27 | 40.11 | 1.14 | 49.13 | 7.7 | 0.22 |
| 28/03/2020 17:29 | 6.7 | 279.85 | 29.62 | 100.3 | 4.29 | 40.24 | 1.14 | 49.38 | 7.72 | 0.22 |
| 28/03/2020 17:30 | 6.7 | 279.85 | 29.62 | 100.3 | 4.32 | 40.42 | 1.14 | 48.53 | 7.66 | 0.22 |
| 28/03/2020 17:31 | 6.7 | 279.85 | 29.61 | 100.27 | 4.26 | 40.06 | 1.13 | 48.44 | 7.65 | 0.22 |
| 28/03/2020 17:32 | 6.7 | 279.85 | 29.62 | 100.3 | 4.26 | 40.06 | 1.13 | 48.73 | 7.67 | 0.22 |
| 28/03/2020 17:33 | 6.7 | 279.85 | 29.62 | 100.3 | 4.27 | 40.12 | 1.14 | 48.65 | 7.67 | 0.22 |
| 28/03/2020 17:34 | 6.6 | 279.75 | 29.62 | 100.3 | 4.27 | 40.13 | 1.14 | 48.78 | 7.68 | 0.22 |
| 28/03/2020 17:35 | 6.5 | 279.65 | 29.62 | 100.3 | 4.32 | 40.44 | 1.15 | 48.62 | 7.67 | 0.22 |
| 28/03/2020 17:36 | 6.5 | 279.65 | 29.62 | 100.3 | 4.29 | 40.26 | 1.14 | 49 | 7.7 | 0.22 |
| 28/03/2020 17:37 | 6.4 | 279.55 | 29.63 | 100.34 | 4.32 | 40.46 | 1.15 | 48.99 | 7.7 | 0.22 |
| 28/03/2020 17:38 | 6.3 | 279.45 | 29.63 | 100.34 | 4.27 | 40.17 | 1.14 | 48.84 | 7.69 | 0.22 |
| 28/03/2020 17:39 | 6.3 | 279.45 | 29.63 | 100.34 | 4.2 | 39.75 | 1.13 | 49.1 | 7.71 | 0.22 |
| 28/03/2020 17:40 | 6.2 | 279.35 | 29.63 | 100.34 | 4.29 | 40.3 | 1.14 | 49.04 | 7.7 | 0.22 |
| 28/03/2020 17:41 | 6.2 | 279.35 | 29.63 | 100.34 | 4.3 | 40.36 | 1.14 | 48.52 | 7.67 | 0.22 |
| 28/03/2020 17:42 | 6.2 | 279.35 | 29.63 | 100.34 | 4.28 | 40.24 | 1.14 | 49.11 | 7.71 | 0.22 |
| 28/03/2020 17:43 | 6.1 | 279.25 | 29.63 | 100.34 | 4.32 | 40.49 | 1.15 | 48.86 | 7.69 | 0.22 |
| 28/03/2020 17:44 | 6.1 | 279.25 | 29.63 | 100.34 | 4.3 | 40.37 | 1.14 | 48.31 | 7.65 | 0.22 |
| 28/03/2020 17:45 | 6.1 | 279.25 | 29.64 | 100.37 | 4.29 | 40.32 | 1.14 | 48.55 | 7.67 | 0.22 |
| 28/03/2020 17:46 | 6 | 279.15 | 29.63 | 100.34 | 4.26 | 40.14 | 1.14 | 48.71 | 7.68 | 0.22 |
| 28/03/2020 17:47 | 6 | 279.15 | 29.63 | 100.34 | 4.29 | 40.32 | 1.14 | 48.66 | 7.68 | 0.22 |
| 28/03/2020 17:48 | 6 | 279.15 | 29.63 | 100.34 | 4.29 | 40.32 | 1.14 | 49.51 | 7.74 | 0.22 |
| 28/03/2020 17:49 | 6 | 279.15 | 29.63 | 100.34 | 4.31 | 40.44 | 1.15 | 49.23 | 7.72 | 0.22 |
| 28/03/2020 17:50 | 6 | 279.15 | 29.64 | 100.37 | 4.3 | 40.39 | 1.14 | 49.35 | 7.73 | 0.22 |
| 28/03/2020 17:51 | 6 | 279.15 | 29.64 | 100.37 | 4.25 | 40.09 | 1.14 | 49.39 | 7.73 | 0.22 |
| 28/03/2020 17:52 | 6 | 279.15 | 29.64 | 100.37 | 4.28 | 40.27 | 1.14 | 48.68 | 7.68 | 0.22 |
| 28/03/2020 17:53 | 6 | 279.15 | 29.64 | 100.37 | 4.3 | 40.39 | 1.14 | 49.18 | 7.72 | 0.22 |
| 28/03/2020 17:54 | 6 | 279.15 | 29.64 | 100.37 | 4.25 | 40.09 | 1.14 | 49.16 | 7.72 | 0.22 |
| 28/03/2020 17:55 | 6 | 279.15 | 29.64 | 100.37 | 4.3 | 40.39 | 1.14 | 48.94 | 7.7 | 0.22 |
| 28/03/2020 17:56 | 6 | 279.15 | 29.65 | 100.41 | 4.3 | 40.4 | 1.14 | 49.38 | 7.73 | 0.22 |
| 28/03/2020 17:57 | 6 | 279.15 | 29.65 | 100.41 | 4.26 | 40.16 | 1.14 | 49.13 | 7.71 | 0.22 |
| 28/03/2020 17:58 | 5.9 | 279.05 | 29.65 | 100.41 | 4.24 | 40.04 | 1.13 | 49.46 | 7.74 | 0.22 |

Station: RofD Rundle Periodically: 28/03/2020 00:00-28/03/2020 23:59 Type: AVG 1 Min. [1 Min.]

| | | | Courtice | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date & Time | Temperature - Ambient | Temperature - Ambient | Pressure | Pressure | Hi-Vol Pressure | HiVol | | PUF Pressure | PUF | |
| | C° | K° | in HG | kPa | in H20 | cfm | m3 | in H20 | cfm | m3 |
| 28/03/2020 17:59 | 5.9 | 279.05 | 29.65 | 100.41 | 4.25 | 40.11 | 1.14 | 48.36 | 7.66 | 0.22 |
| 28/03/2020 18:00 | 6 | 279.15 | 29.65 | 100.41 | 4.29 | 40.34 | 1.14 | 48.77 | 7.69 | 0.22 |
| 28/03/2020 18:01 | 6 | 279.15 | 29.65 | 100.41 | 4.29 | 40.34 | 1.14 | 49.22 | 7.72 | 0.22 |
| 28/03/2020 18:02 | 6 | 279.15 | 29.65 | 100.41 | 4.27 | 40.22 | 1.14 | 48.95 | 7.7 | 0.22 |
| 28/03/2020 18:03 | 6 | 279.15 | 29.65 | 100.41 | 4.24 | 40.04 | 1.13 | 48.89 | 7.7 | 0.22 |
| 28/03/2020 18:04 | 6 | 279.15 | 29.65 | 100.41 | 4.31 | 40.46 | 1.15 | 49.02 | 7.71 | 0.22 |
| 28/03/2020 18:05 | 6 | 279.15 | 29.65 | 100.41 | 4.3 | 40.4 | 1.14 | 49.19 | 7.72 | 0.22 |
| 28/03/2020 18:06 | 6.1 | 279.25 | 29.65 | 100.41 | 4.26 | 40.15 | 1.14 | 49.33 | 7.73 | 0.22 |
| 28/03/2020 18:07 | 6.1 | 279.25 | 29.65 | 100.41 | 4.32 | 40.51 | 1.15 | 48.71 | 7.68 | 0.22 |
| 28/03/2020 18:08 | 6.1 | 279.25 | 29.66 | 100.44 | 4.29 | 40.33 | 1.14 | 48.67 | 7.68 | 0.22 |
| 28/03/2020 18:09 | 6.1 | 279.25 | 29.65 | 100.41 | 4.24 | 40.03 | 1.13 | 49.31 | 7.73 | 0.22 |
| 28/03/2020 18:10 | 6.1 | 279.25 | 29.65 | 100.41 | 4.31 | 40.45 | 1.15 | 49.35 | 7.73 | 0.22 |
| 28/03/2020 18:11 | 6.1 | 279.25 | 29.65 | 100.41 | 4.31 | 40.45 | 1.15 | 49.01 | 7.7 | 0.22 |
| 28/03/2020 18:12 | 6 | 279.15 | 29.65 | 100.41 | 4.3 | 40.4 | 1.14 | 49.4 | 7.73 | 0.22 |
| 28/03/2020 18:13 | 6 | 279.15 | 29.65 | 100.41 | 4.26 | 40.16 | 1.14 | 48.79 | 7.69 | 0.22 |
| 28/03/2020 18:14 | 6 | 279.15 | 29.65 | 100.41 | 4.27 | 40.22 | 1.14 | 48.86 | 7.7 | 0.22 |
| 28/03/2020 18:15 | 6 | 279.15 | 29.65 | 100.41 | 4.3 | 40.4 | 1.14 | 48.93 | 7.7 | 0.22 |
| 28/03/2020 18:16 | 6 | 279.15 | 29.65 | 100.41 | 4.28 | 40.28 | 1.14 | 49.14 | 7.72 | 0.22 |
| 28/03/2020 18:17 | 6 | 279.15 | 29.65 | 100.41 | 4.27 | 40.22 | 1.14 | 48.72 | 7.69 | 0.22 |
| 28/03/2020 18:18 | 6 | 279.15 | 29.65 | 100.41 | 4.33 | 40.58 | 1.15 | 48.62 | 7.68 | 0.22 |
| 28/03/2020 18:19 | 6.1 | 279.25 | 29.65 | 100.41 | 4.28 | 40.27 | 1.14 | 48.8 | 7.69 | 0.22 |
| 28/03/2020 18:20 | 6.1 | 279.25 | 29.65 | 100.41 | 4.26 | 40.15 | 1.14 | 48.4 | 7.66 | 0.22 |
| 28/03/2020 18:21 | 6.1 | 279.25 | 29.65 | 100.41 | 4.27 | 40.21 | 1.14 | 48.5 | 7.67 | 0.22 |
| 28/03/2020 18:22 | 6.1 | 279.25 | 29.65 | 100.41 | 4.29 | 40.33 | 1.14 | 48.86 | 7.69 | 0.22 |
| 28/03/2020 18:23 | 6.1 | 279.25 | 29.65 | 100.41 | 4.3 | 40.39 | 1.14 | 49.14 | 7.71 | 0.22 |
| 28/03/2020 18:24 | 6.1 | 279.25 | 29.65 | 100.41 | 4.27 | 40.21 | 1.14 | 49.15 | 7.71 | 0.22 |
| 28/03/2020 18:25 | 6.1 | 279.25 | 29.65 | 100.41 | 4.25 | 40.09 | 1.14 | 48.44 | 7.66 | 0.22 |
| 28/03/2020 18:26 | 6.1 | 279.25 | 29.65 | 100.41 | 4.28 | 40.27 | 1.14 | 48.94 | 7.7 | 0.22 |
| 28/03/2020 18:27 | 6.1 | 279.25 | 29.65 | 100.41 | 4.33 | 40.57 | 1.15 | 48.59 | 7.67 | 0.22 |
| 28/03/2020 18:28 | 6.1 | 279.25 | 29.65 | 100.41 | 4.31 | 40.45 | 1.15 | 48.89 | 7.7 | 0.22 |
| 28/03/2020 18:29 | 6.1 | 279.25 | 29.66 | 100.44 | 4.31 | 40.45 | 1.15 | 49.1 | 7.71 | 0.22 |
| 28/03/2020 18:30 | 6 | 279.15 | 29.66 | 100.44 | 4.31 | 40.46 | 1.15 | 48.91 | 7.7 | 0.22 |
| 28/03/2020 18:31 | 6 | 279.15 | 29.66 | 100.44 | 4.27 | 40.22 | 1.14 | 48.5 | 7.67 | 0.22 |
| 28/03/2020 18:32 | 6 | 279.15 | 29.66 | 100.44 | 4.23 | 39.98 | 1.13 | 48.82 | 7.69 | 0.22 |
| 28/03/2020 18:33 | 6 | 279.15 | 29.66 | 100.44 | 4.29 | 40.34 | 1.14 | 47.97 | 7.63 | 0.22 |
| 28/03/2020 18:34 | 6 | 279.15 | 29.66 | 100.44 | 4.3 | 40.4 | 1.14 | 49.05 | 7.71 | 0.22 |
| 28/03/2020 18:35 | 6.1 | 279.25 | 29.66 | 100.44 | 4.27 | 40.21 | 1.14 | 49.11 | 7.71 | 0.22 |
| 28/03/2020 18:36 | 6.1 | 279.25 | 29.66 | 100.44 | 4.28 | 40.27 | 1.14 | 48.77 | 7.69 | 0.22 |
| 28/03/2020 18:37 | 6.1 | 279.25 | 29.67 | 100.47 | 4.26 | 40.16 | 1.14 | 48.53 | 7.67 | 0.22 |
| 28/03/2020 18:38 | 6.1 | 279.25 | 29.67 | 100.47 | 4.29 | 40.34 | 1.14 | 49.08 | 7.71 | 0.22 |
| 28/03/2020 18:39 | 6.1 | 279.25 | 29.67 | 100.47 | 4.26 | 40.16 | 1.14 | 48.79 | 7.69 | 0.22 |
| 28/03/2020 18:40 | 6.1 | 279.25 | 29.67 | 100.47 | 4.26 | 40.16 | 1.14 | 49.05 | 7.71 | 0.22 |
| 28/03/2020 18:41 | 6.1 | 279.25 | 29.67 | 100.47 | 4.28 | 40.28 | 1.14 | 49.21 | 7.72 | 0.22 |
| 28/03/2020 18:42 | 6.1 | 279.25 | 29.67 | 100.47 | 4.29 | 40.34 | 1.14 | 49.06 | 7.71 | 0.22 |
| 28/03/2020 18:43 | 6.1 | 279.25 | 29.67 | 100.47 | 4.3 | 40.4 | 1.14 | 49.01 | 7.71 | 0.22 |
| 28/03/2020 18:44 | 6 | 279.15 | 29.67 | 100.47 | 4.33 | 40.59 | 1.15 | 49.13 | 7.72 | 0.22 |
| 28/03/2020 18:45 | 6 | 279.15 | 29.67 | 100.47 | 4.27 | 40.23 | 1.14 | 48.52 | 7.67 | 0.22 |
| 28/03/2020 18:46 | 6 | 279.15 | 29.67 | 100.47 | 4.27 | 40.23 | 1.14 | 49 | 7.71 | 0.22 |
| 28/03/2020 18:47 | 6 | 279.15 | 29.67 | 100.47 | 4.28 | 40.29 | 1.14 | 48.95 | 7.7 | 0.22 |
| 28/03/2020 18:48 | 6 | 279.15 | 29.67 | 100.47 | 4.26 | 40.17 | 1.14 | 49.02 | 7.71 | 0.22 |
| 28/03/2020 18:49 | 6 | 279.15 | 29.67 | 100.47 | 4.26 | 40.17 | 1.14 | 48.97 | 7.71 | 0.22 |
| 28/03/2020 18:50 | 6 | 279.15 | 29.67 | 100.47 | 4.25 | 40.11 | 1.14 | 48.74 | 7.69 | 0.22 |
| 28/03/2020 18:51 | 6 | 279.15 | 29.67 | 100.47 | 4.28 | 40.29 | 1.14 | 48.63 | 7.68 | 0.22 |
| 28/03/2020 18:52 | 6 | 279.15 | 29.67 | 100.47 | 4.34 | 40.65 | 1.15 | 48.48 | 7.67 | 0.22 |
| 28/03/2020 18:53 | 6 | 279.15 | 29.67 | 100.47 | 4.32 | 40.53 | 1.15 | 48.8 | 7.69 | 0.22 |
| 28/03/2020 18:54 | 6 | 279.15 | 29.67 | 100.47 | 4.26 | 40.17 | 1.14 | 49.1 | 7.71 | 0.22 |
| 28/03/2020 18:55 | 6 | 279.15 | 29.67 | 100.47 | 4.22 | 39.93 | 1.13 | 48.64 | 7.68 | 0.22 |
| 28/03/2020 18:56 | 6 | 279.15 | 29.67 | 100.47 | 4.3 | 40.41 | 1.14 | 48.55 | 7.68 | 0.22 |
| 28/03/2020 18:57 | 6 | 279.15 | 29.67 | 100.47 | 4.26 | 40.17 | 1.14 | 48.94 | 7.7 | 0.22 |
| 28/03/2020 18:58 | 6 | 279.15 | 29.67 | 100.47 | 4.28 | 40.29 | 1.14 | 48.98 | 7.71 | 0.22 |
| 28/03/2020 18:59 | 6 | 279.15 | 29.67 | 100.47 | 4.26 | 40.17 | 1.14 | 48.75 | 7.69 | 0.22 |
| 28/03/2020 19:00 | 6 | 279.15 | 29.67 | 100.47 | 4.24 | 40.05 | 1.13 | 49 | 7.71 | 0.22 |
| 28/03/2020 19:01 | 6 | 279.15 | 29.67 | 100.47 | 4.25 | 40.11 | 1.14 | 48.87 | 7.7 | 0.22 |
| 28/03/2020 19:02 | 6 | 279.15 | 29.67 | 100.47 | 4.31 | 40.47 | 1.15 | 48.9 | 7.7 | 0.22 |
| 28/03/2020 19:03 | 6 | 279.15 | 29.67 | 100.47 | 4.29 | 40.35 | 1.14 | 49.46 | 7.74 | 0.22 |
| 28/03/2020 19:04 | 6 | 279.15 | 29.67 | 100.47 | 4.25 | 40.11 | 1.14 | 49.41 | 7.74 | 0.22 |
| 28/03/2020 19:05 | 6 | 279.15 | 29.67 | 100.47 | 4.27 | 40.23 | 1.14 | 48.95 | 7.7 | 0.22 |
| 28/03/2020 19:06 | 6 | 279.15 | 29.67 | 100.47 | 4.25 | 40.11 | 1.14 | 49.3 | 7.73 | 0.22 |
| 28/03/2020 19:07 | 6 | 279.15 | 29.67 | 100.47 | 4.26 | 40.17 | 1.14 | 48.91 | 7.7 | 0.22 |
| 28/03/2020 19:08 | 6 | 279.15 | 29.67 | 100.47 | 4.31 | 40.47 | 1.15 | 49.06 | 7.71 | 0.22 |
| 28/03/2020 19:09 | 6 | 279.15 | 29.67 | 100.47 | 4.3 | 40.41 | 1.14 | 49.4 | 7.74 | 0.22 |
| 28/03/2020 19:10 | 6 | 279.15 | 29.67 | 100.47 | 4.31 | 40.47 | 1.15 | 48.76 | 7.69 | 0.22 |
| 28/03/2020 19:11 | 6 | 279.15 | 29.66 | 100.44 | 4.25 | 40.1 | 1.14 | 49.35 | 7.73 | 0.22 |
| 28/03/2020 19:12 | 6 | 279.15 | 29.66 | 100.44 | 4.27 | 40.22 | 1.14 | 48.8 | 7.69 | 0.22 |
| 28/03/2020 19:13 | 6 | 279.15 | 29.66 | 100.44 | 4.28 | 40.28 | 1.14 | 48.91 | 7.7 | 0.22 |
| 28/03/2020 19:14 | 6 | 279.15 | 29.66 | 100.44 | 4.29 | 40.34 | 1.14 | 48.75 | 7.69 | 0.22 |
| 28/03/2020 19:15 | 6 | 279.15 | 29.66 | 100.44 | 4.3 | 40.4 | 1.14 | 49.02 | 7.71 | 0.22 |
| 28/03/2020 19:16 | 6 | 279.15 | 29.66 | 100.44 | 4.35 | 40.7 | 1.15 | 49.13 | 7.72 | 0.22 |
| 28/03/2020 19:17 | 6 | 279.15 | 29.66 | 100.44 | 4.33 | 40.58 | 1.15 | 48.97 | 7.7 | 0.22 |
| 28/03/2020 19:18 | 6.1 | 279.25 | 29.66 | 100.44 | 4.29 | 40.33 | 1.14 | 49.09 | 7.71 | 0.22 |
| 28/03/2020 19:19 | 6.1 | 279.25 | 29.66 | 100.44 | 4.3 | 40.39 | 1.14 | 49.19 | 7.72 | 0.22 |
| 28/03/2020 19:20 | 6.1 | 279.25 | 29.66 | 100.44 | 4.23 | 39.97 | 1.13 | 49.14 | 7.72 | 0.22 |
| 28/03/2020 19:21 | 6.1 | 279.25 | 29.66 | 100.44 | 4.23 | 39.97 | 1.13 | 49.13 | 7.71 | 0.22 |

Station: RofD Rundle Periodically: 28/03/2020 00:00-28/03/2020 23:59 Type: AVG 1 Min. [1 Min.]

| | | | Courtice | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date & Time | Temperature - Ambient | Temperature - Ambient | Pressure | Pressure | Hi-Vol Pressure | HiVol | | PUF Pressure | PUF | |
| | C° | K° | in HG | kPa | in H20 | cfm | m3 | in H20 | cfm | m3 |
| 28/03/2020 19:22 | 6.1 | 279.25 | 29.66 | 100.44 | 4.35 | 40.69 | 1.15 | 49.21 | 7.72 | 0.22 |
| 28/03/2020 19:23 | 6.1 | 279.25 | 29.66 | 100.44 | 4.27 | 40.21 | 1.14 | 48.92 | 7.7 | 0.22 |
| 28/03/2020 19:24 | 6.1 | 279.25 | 29.66 | 100.44 | 4.29 | 40.33 | 1.14 | 49.48 | 7.74 | 0.22 |
| 28/03/2020 19:25 | 6.1 | 279.25 | 29.66 | 100.44 | 4.24 | 40.03 | 1.13 | 49.04 | 7.71 | 0.22 |
| 28/03/2020 19:26 | 6.1 | 279.25 | 29.66 | 100.44 | 4.23 | 39.97 | 1.13 | 49.65 | 7.75 | 0.22 |
| 28/03/2020 19:27 | 6.1 | 279.25 | 29.66 | 100.44 | 4.28 | 40.27 | 1.14 | 49.35 | 7.73 | 0.22 |
| 28/03/2020 19:28 | 6.1 | 279.25 | 29.66 | 100.44 | 4.22 | 39.91 | 1.13 | 49.39 | 7.73 | 0.22 |
| 28/03/2020 19:29 | 6.1 | 279.25 | 29.66 | 100.44 | 4.25 | 40.09 | 1.14 | 49.09 | 7.71 | 0.22 |
| 28/03/2020 19:30 | 6.1 | 279.25 | 29.66 | 100.44 | 4.3 | 40.39 | 1.14 | 48.97 | 7.7 | 0.22 |
| 28/03/2020 19:31 | 6 | 279.15 | 29.66 | 100.44 | 4.27 | 40.22 | 1.14 | 48.39 | 7.66 | 0.22 |
| 28/03/2020 19:32 | 6 | 279.15 | 29.66 | 100.44 | 4.22 | 39.92 | 1.13 | 49.12 | 7.71 | 0.22 |
| 28/03/2020 19:33 | 6 | 279.15 | 29.66 | 100.44 | 4.24 | 40.04 | 1.13 | 48.47 | 7.67 | 0.22 |
| 28/03/2020 19:34 | 6 | 279.15 | 29.66 | 100.44 | 4.3 | 40.4 | 1.14 | 48.92 | 7.7 | 0.22 |
| 28/03/2020 19:35 | 6 | 279.15 | 29.65 | 100.41 | 4.26 | 40.16 | 1.14 | 48.7 | 7.68 | 0.22 |
| 28/03/2020 19:36 | 6 | 279.15 | 29.65 | 100.41 | 4.29 | 40.34 | 1.14 | 49.02 | 7.71 | 0.22 |
| 28/03/2020 19:37 | 6 | 279.15 | 29.65 | 100.41 | 4.26 | 40.16 | 1.14 | 48.93 | 7.7 | 0.22 |
| 28/03/2020 19:38 | 6 | 279.15 | 29.65 | 100.41 | 4.25 | 40.1 | 1.14 | 48.26 | 7.65 | 0.22 |
| 28/03/2020 19:39 | 6 | 279.15 | 29.65 | 100.41 | 4.26 | 40.16 | 1.14 | 47.66 | 7.61 | 0.22 |
| 28/03/2020 19:40 | 6 | 279.15 | 29.65 | 100.41 | 4.26 | 40.16 | 1.14 | 48.39 | 7.66 | 0.22 |
| 28/03/2020 19:41 | 6 | 279.15 | 29.65 | 100.41 | 4.28 | 40.28 | 1.14 | 48.63 | 7.68 | 0.22 |
| 28/03/2020 19:42 | 5.9 | 279.05 | 29.65 | 100.41 | 4.26 | 40.17 | 1.14 | 48.35 | 7.66 | 0.22 |
| 28/03/2020 19:43 | 5.9 | 279.05 | 29.65 | 100.41 | 4.24 | 40.04 | 1.13 | 48.74 | 7.69 | 0.22 |
| 28/03/2020 19:44 | 5.9 | 279.05 | 29.65 | 100.41 | 4.29 | 40.35 | 1.14 | 48.77 | 7.69 | 0.22 |
| 28/03/2020 19:45 | 5.9 | 279.05 | 29.65 | 100.41 | 4.29 | 40.35 | 1.14 | 48.28 | 7.65 | 0.22 |
| 28/03/2020 19:46 | 5.9 | 279.05 | 29.65 | 100.41 | 4.3 | 40.41 | 1.14 | 48.63 | 7.68 | 0.22 |
| 28/03/2020 19:47 | 5.9 | 279.05 | 29.65 | 100.41 | 4.24 | 40.04 | 1.13 | 48.15 | 7.65 | 0.22 |
| 28/03/2020 19:48 | 5.9 | 279.05 | 29.65 | 100.41 | 4.27 | 40.23 | 1.14 | 48.48 | 7.67 | 0.22 |
| 28/03/2020 19:49 | 5.9 | 279.05 | 29.65 | 100.41 | 4.29 | 40.35 | 1.14 | 48.74 | 7.69 | 0.22 |
| 28/03/2020 19:50 | 5.9 | 279.05 | 29.65 | 100.41 | 4.29 | 40.35 | 1.14 | 48.56 | 7.68 | 0.22 |
| 28/03/2020 19:51 | 5.9 | 279.05 | 29.65 | 100.41 | 4.28 | 40.29 | 1.14 | 48.92 | 7.7 | 0.22 |
| 28/03/2020 19:52 | 5.9 | 279.05 | 29.65 | 100.41 | 4.24 | 40.04 | 1.13 | 48.68 | 7.68 | 0.22 |
| 28/03/2020 19:53 | 5.9 | 279.05 | 29.65 | 100.41 | 4.3 | 40.41 | 1.14 | 48.55 | 7.67 | 0.22 |
| 28/03/2020 19:54 | 5.9 | 279.05 | 29.65 | 100.41 | 4.27 | 40.23 | 1.14 | 49.05 | 7.71 | 0.22 |
| 28/03/2020 19:55 | 5.9 | 279.05 | 29.65 | 100.41 | 4.25 | 40.11 | 1.14 | 49.01 | 7.71 | 0.22 |
| 28/03/2020 19:56 | 5.9 | 279.05 | 29.65 | 100.41 | 4.27 | 40.23 | 1.14 | 48.97 | 7.7 | 0.22 |
| 28/03/2020 19:57 | 5.9 | 279.05 | 29.65 | 100.41 | 4.28 | 40.29 | 1.14 | 48.42 | 7.66 | 0.22 |
| 28/03/2020 19:58 | 5.9 | 279.05 | 29.65 | 100.41 | 4.26 | 40.17 | 1.14 | 48.5 | 7.67 | 0.22 |
| 28/03/2020 19:59 | 5.9 | 279.05 | 29.65 | 100.41 | 4.28 | 40.29 | 1.14 | 48.7 | 7.69 | 0.22 |
| 28/03/2020 20:00 | 5.9 | 279.05 | 29.65 | 100.41 | 4.26 | 40.17 | 1.14 | 48.28 | 7.65 | 0.22 |
| 28/03/2020 20:01 | 5.8 | 278.95 | 29.65 | 100.41 | 4.28 | 40.29 | 1.14 | 48.61 | 7.68 | 0.22 |
| 28/03/2020 20:02 | 5.8 | 278.95 | 29.65 | 100.41 | 4.25 | 40.11 | 1.14 | 48.52 | 7.67 | 0.22 |
| 28/03/2020 20:03 | 5.8 | 278.95 | 29.65 | 100.41 | 4.3 | 40.41 | 1.14 | 48.98 | 7.71 | 0.22 |
| 28/03/2020 20:04 | 5.8 | 278.95 | 29.64 | 100.37 | 4.26 | 40.16 | 1.14 | 49.01 | 7.71 | 0.22 |
| 28/03/2020 20:05 | 5.8 | 278.95 | 29.65 | 100.41 | 4.28 | 40.29 | 1.14 | 48.94 | 7.7 | 0.22 |
| 28/03/2020 20:06 | 5.8 | 278.95 | 29.65 | 100.41 | 4.25 | 40.11 | 1.14 | 49.32 | 7.73 | 0.22 |
| 28/03/2020 20:07 | 5.8 | 278.95 | 29.65 | 100.41 | 4.26 | 40.17 | 1.14 | 49.54 | 7.75 | 0.22 |
| 28/03/2020 20:08 | 5.8 | 278.95 | 29.65 | 100.41 | 4.28 | 40.29 | 1.14 | 48.93 | 7.7 | 0.22 |
| 28/03/2020 20:09 | 5.8 | 278.95 | 29.65 | 100.41 | 4.26 | 40.17 | 1.14 | 49.54 | 7.75 | 0.22 |
| 28/03/2020 20:10 | 5.8 | 278.95 | 29.65 | 100.41 | 4.31 | 40.47 | 1.15 | 48.88 | 7.7 | 0.22 |
| 28/03/2020 20:11 | 5.8 | 278.95 | 29.66 | 100.44 | 4.28 | 40.3 | 1.14 | 49.05 | 7.71 | 0.22 |
| 28/03/2020 20:12 | 5.8 | 278.95 | 29.65 | 100.41 | 4.3 | 40.41 | 1.14 | 49.15 | 7.72 | 0.22 |
| 28/03/2020 20:13 | 5.8 | 278.95 | 29.65 | 100.41 | 4.25 | 40.11 | 1.14 | 49.28 | 7.73 | 0.22 |
| 28/03/2020 20:14 | 5.8 | 278.95 | 29.66 | 100.44 | 4.28 | 40.3 | 1.14 | 49.06 | 7.71 | 0.22 |
| 28/03/2020 20:15 | 5.8 | 278.95 | 29.65 | 100.41 | 4.29 | 40.35 | 1.14 | 48.96 | 7.7 | 0.22 |
| 28/03/2020 20:16 | 5.8 | 278.95 | 29.66 | 100.44 | 4.25 | 40.12 | 1.14 | 49.52 | 7.75 | 0.22 |
| 28/03/2020 20:17 | 5.8 | 278.95 | 29.66 | 100.44 | 4.29 | 40.36 | 1.14 | 49.21 | 7.72 | 0.22 |
| 28/03/2020 20:18 | 5.8 | 278.95 | 29.66 | 100.44 | 4.3 | 40.42 | 1.14 | 49.07 | 7.71 | 0.22 |
| 28/03/2020 20:19 | 5.8 | 278.95 | 29.66 | 100.44 | 4.23 | 40 | 1.13 | 48.78 | 7.69 | 0.22 |
| 28/03/2020 20:20 | 5.8 | 278.95 | 29.66 | 100.44 | 4.33 | 40.6 | 1.15 | 48.53 | 7.68 | 0.22 |
| 28/03/2020 20:21 | 5.8 | 278.95 | 29.66 | 100.44 | 4.29 | 40.36 | 1.14 | 49.08 | 7.71 | 0.22 |
| 28/03/2020 20:22 | 5.8 | 278.95 | 29.66 | 100.44 | 4.26 | 40.18 | 1.14 | 49.43 | 7.74 | 0.22 |
| 28/03/2020 20:23 | 5.8 | 278.95 | 29.66 | 100.44 | 4.3 | 40.42 | 1.14 | 49.44 | 7.74 | 0.22 |
| 28/03/2020 20:24 | 5.7 | 278.85 | 29.66 | 100.44 | 4.3 | 40.43 | 1.14 | 48.97 | 7.71 | 0.22 |
| 28/03/2020 20:25 | 5.8 | 278.95 | 29.66 | 100.44 | 4.26 | 40.18 | 1.14 | 49.6 | 7.75 | 0.22 |
| 28/03/2020 20:26 | 5.8 | 278.95 | 29.66 | 100.44 | 4.3 | 40.42 | 1.14 | 49.53 | 7.75 | 0.22 |
| 28/03/2020 20:27 | 5.8 | 278.95 | 29.66 | 100.44 | 4.25 | 40.12 | 1.14 | 49.52 | 7.75 | 0.22 |
| 28/03/2020 20:28 | 5.8 | 278.95 | 29.65 | 100.41 | 4.28 | 40.29 | 1.14 | 49.52 | 7.74 | 0.22 |
| 28/03/2020 20:29 | 5.8 | 278.95 | 29.65 | 100.41 | 4.29 | 40.35 | 1.14 | 49.26 | 7.73 | 0.22 |
| 28/03/2020 20:30 | 5.8 | 278.95 | 29.65 | 100.41 | 4.26 | 40.17 | 1.14 | 49.38 | 7.74 | 0.22 |
| 28/03/2020 20:31 | 5.8 | 278.95 | 29.65 | 100.41 | 4.3 | 40.41 | 1.14 | 49.43 | 7.74 | 0.22 |
| 28/03/2020 20:32 | 5.8 | 278.95 | 29.65 | 100.41 | 4.3 | 40.41 | 1.14 | 48.74 | 7.69 | 0.22 |
| 28/03/2020 20:33 | 5.7 | 278.85 | 29.65 | 100.41 | 4.26 | 40.18 | 1.14 | 49.09 | 7.72 | 0.22 |
| 28/03/2020 20:34 | 5.7 | 278.85 | 29.65 | 100.41 | 4.33 | 40.6 | 1.15 | 49.51 | 7.75 | 0.22 |
| 28/03/2020 20:35 | 5.7 | 278.85 | 29.66 | 100.44 | 4.32 | 40.55 | 1.15 | 49.34 | 7.73 | 0.22 |
| 28/03/2020 20:36 | 5.7 | 278.85 | 29.66 | 100.44 | 4.28 | 40.31 | 1.14 | 49.4 | 7.74 | 0.22 |
| 28/03/2020 20:37 | 5.7 | 278.85 | 29.66 | 100.44 | 4.26 | 40.19 | 1.14 | 49.35 | 7.74 | 0.22 |
| 28/03/2020 20:38 | 5.7 | 278.85 | 29.66 | 100.44 | 4.28 | 40.31 | 1.14 | 49.53 | 7.75 | 0.22 |
| 28/03/2020 20:39 | 5.8 | 278.95 | 29.66 | 100.44 | 4.24 | 40.06 | 1.13 | 49.61 | 7.75 | 0.22 |
| 28/03/2020 20:40 | 5.8 | 278.95 | 29.66 | 100.44 | 4.3 | 40.42 | 1.14 | 49.24 | 7.73 | 0.22 |
| 28/03/2020 20:41 | 5.8 | 278.95 | 29.65 | 100.41 | 4.27 | 40.23 | 1.14 | 49.17 | 7.72 | 0.22 |
| 28/03/2020 20:42 | 5.7 | 278.85 | 29.66 | 100.44 | 4.27 | 40.25 | 1.14 | 49.85 | 7.77 | 0.22 |
| 28/03/2020 20:43 | 5.7 | 278.85 | 29.65 | 100.41 | 4.24 | 40.06 | 1.13 | 49.39 | 7.74 | 0.22 |
| 28/03/2020 20:44 | 5.7 | 278.85 | 29.65 | 100.41 | 4.29 | 40.36 | 1.14 | 49.58 | 7.75 | 0.22 |

Station: RofD Rundle Periodically: 28/03/2020 00:00-28/03/2020 23:59 Type: AVG 1 Min. [1 Min.]

| | | | Courtice | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date & Time | Temperature - Ambient | Temperature - Ambient | Pressure | Pressure | Hi-Vol Pressure | HiVol | | PUF Pressure | PUF | |
| | C° | K° | in HG | kPa | in H20 | cfm | m3 | in H20 | cfm | m3 |
| 28/03/2020 20:45 | 5.7 | 278.85 | 29.66 | 100.44 | 4.27 | 40.25 | 1.14 | 49.63 | 7.76 | 0.22 |
| 28/03/2020 20:46 | 5.7 | 278.85 | 29.66 | 100.44 | 4.29 | 40.37 | 1.14 | 49.56 | 7.75 | 0.22 |
| 28/03/2020 20:47 | 5.7 | 278.85 | 29.66 | 100.44 | 4.23 | 40.01 | 1.13 | 50.05 | 7.78 | 0.22 |
| 28/03/2020 20:48 | 5.8 | 278.95 | 29.66 | 100.44 | 4.26 | 40.18 | 1.14 | 49.62 | 7.75 | 0.22 |
| 28/03/2020 20:49 | 5.8 | 278.95 | 29.66 | 100.44 | 4.27 | 40.24 | 1.14 | 50.04 | 7.78 | 0.22 |
| 28/03/2020 20:50 | 5.8 | 278.95 | 29.66 | 100.44 | 4.25 | 40.12 | 1.14 | 49.37 | 7.74 | 0.22 |
| 28/03/2020 20:51 | 5.8 | 278.95 | 29.65 | 100.41 | 4.25 | 40.11 | 1.14 | 49.66 | 7.75 | 0.22 |
| 28/03/2020 20:52 | 5.8 | 278.95 | 29.66 | 100.44 | 4.24 | 40.06 | 1.13 | 49.66 | 7.76 | 0.22 |
| 28/03/2020 20:53 | 5.8 | 278.95 | 29.66 | 100.44 | 4.27 | 40.24 | 1.14 | 49.37 | 7.74 | 0.22 |
| 28/03/2020 20:54 | 5.8 | 278.95 | 29.66 | 100.44 | 4.29 | 40.36 | 1.14 | 48.9 | 7.7 | 0.22 |
| 28/03/2020 20:55 | 5.8 | 278.95 | 29.66 | 100.44 | 4.26 | 40.18 | 1.14 | 48.98 | 7.71 | 0.22 |
| 28/03/2020 20:56 | 5.8 | 278.95 | 29.66 | 100.44 | 4.27 | 40.24 | 1.14 | 49.7 | 7.76 | 0.22 |
| 28/03/2020 20:57 | 5.9 | 279.05 | 29.65 | 100.41 | 4.27 | 40.23 | 1.14 | 49.24 | 7.72 | 0.22 |
| 28/03/2020 20:58 | 5.9 | 279.05 | 29.65 | 100.41 | 4.26 | 40.17 | 1.14 | 49.6 | 7.75 | 0.22 |
| 28/03/2020 20:59 | 5.9 | 279.05 | 29.65 | 100.41 | 4.32 | 40.52 | 1.15 | 49.62 | 7.75 | 0.22 |
| 28/03/2020 21:00 | 5.9 | 279.05 | 29.65 | 100.41 | 4.25 | 40.11 | 1.14 | 49.65 | 7.75 | 0.22 |
| 28/03/2020 21:01 | 5.9 | 279.05 | 29.66 | 100.44 | 4.23 | 39.99 | 1.13 | 49.74 | 7.76 | 0.22 |
| 28/03/2020 21:02 | 5.9 | 279.05 | 29.65 | 100.41 | 4.33 | 40.58 | 1.15 | 49.31 | 7.73 | 0.22 |
| 28/03/2020 21:03 | 6 | 279.15 | 29.66 | 100.44 | 4.3 | 40.4 | 1.14 | 49.76 | 7.76 | 0.22 |
| 28/03/2020 21:04 | 6 | 279.15 | 29.65 | 100.41 | 4.24 | 40.04 | 1.13 | 49.82 | 7.76 | 0.22 |
| 28/03/2020 21:05 | 6.1 | 279.25 | 29.65 | 100.41 | 4.25 | 40.09 | 1.14 | 49.51 | 7.74 | 0.22 |
| 28/03/2020 21:06 | 6.1 | 279.25 | 29.66 | 100.44 | 4.27 | 40.21 | 1.14 | 49.57 | 7.75 | 0.22 |
| 28/03/2020 21:07 | 6.1 | 279.25 | 29.65 | 100.41 | 4.27 | 40.21 | 1.14 | 49.3 | 7.73 | 0.22 |
| 28/03/2020 21:08 | 6.1 | 279.25 | 29.65 | 100.41 | 4.31 | 40.45 | 1.15 | 50.01 | 7.78 | 0.22 |
| 28/03/2020 21:09 | 6.2 | 279.35 | 29.65 | 100.41 | 4.24 | 40.02 | 1.13 | 49.85 | 7.76 | 0.22 |
| 28/03/2020 21:10 | 6.2 | 279.35 | 29.65 | 100.41 | 4.28 | 40.26 | 1.14 | 49.76 | 7.76 | 0.22 |
| 28/03/2020 21:11 | 6.2 | 279.35 | 29.65 | 100.41 | 4.29 | 40.32 | 1.14 | 49.96 | 7.77 | 0.22 |
| 28/03/2020 21:12 | 6.2 | 279.35 | 29.65 | 100.41 | 4.27 | 40.2 | 1.14 | 49.7 | 7.75 | 0.22 |
| 28/03/2020 21:13 | 6.2 | 279.35 | 29.65 | 100.41 | 4.25 | 40.08 | 1.13 | 49.7 | 7.75 | 0.22 |
| 28/03/2020 21:14 | 6.2 | 279.35 | 29.65 | 100.41 | 4.28 | 40.26 | 1.14 | 49.78 | 7.76 | 0.22 |
| 28/03/2020 21:15 | 6.2 | 279.35 | 29.65 | 100.41 | 4.27 | 40.2 | 1.14 | 49.76 | 7.76 | 0.22 |
| 28/03/2020 21:16 | 6.2 | 279.35 | 29.65 | 100.41 | 4.24 | 40.02 | 1.13 | 49.91 | 7.77 | 0.22 |
| 28/03/2020 21:17 | 6.2 | 279.35 | 29.65 | 100.41 | 4.22 | 39.9 | 1.13 | 49.38 | 7.73 | 0.22 |
| 28/03/2020 21:18 | 6.3 | 279.45 | 29.65 | 100.41 | 4.24 | 40.01 | 1.13 | 49.45 | 7.73 | 0.22 |
| 28/03/2020 21:19 | 6.3 | 279.45 | 29.65 | 100.41 | 4.26 | 40.13 | 1.14 | 48.89 | 7.69 | 0.22 |
| 28/03/2020 21:20 | 6.3 | 279.45 | 29.65 | 100.41 | 4.27 | 40.19 | 1.14 | 49.4 | 7.73 | 0.22 |
| 28/03/2020 21:21 | 6.3 | 279.45 | 29.65 | 100.41 | 4.26 | 40.13 | 1.14 | 49.62 | 7.75 | 0.22 |
| 28/03/2020 21:22 | 6.3 | 279.45 | 29.65 | 100.41 | 4.29 | 40.31 | 1.14 | 48.94 | 7.7 | 0.22 |
| 28/03/2020 21:23 | 6.3 | 279.45 | 29.65 | 100.41 | 4.35 | 40.67 | 1.15 | 48.43 | 7.66 | 0.22 |
| 28/03/2020 21:24 | 6.4 | 279.55 | 29.65 | 100.41 | 4.28 | 40.24 | 1.14 | 48.75 | 7.68 | 0.22 |
| 28/03/2020 21:25 | 6.4 | 279.55 | 29.65 | 100.41 | 4.26 | 40.12 | 1.14 | 49.46 | 7.73 | 0.22 |
| 28/03/2020 21:26 | 6.4 | 279.55 | 29.65 | 100.41 | 4.25 | 40.06 | 1.13 | 49.25 | 7.72 | 0.22 |
| 28/03/2020 21:27 | 6.4 | 279.55 | 29.66 | 100.44 | 4.3 | 40.37 | 1.14 | 48.98 | 7.7 | 0.22 |
| 28/03/2020 21:28 | 6.4 | 279.55 | 29.66 | 100.44 | 4.26 | 40.13 | 1.14 | 48.5 | 7.67 | 0.22 |
| 28/03/2020 21:29 | 6.4 | 279.55 | 29.66 | 100.44 | 4.3 | 40.37 | 1.14 | 48.81 | 7.69 | 0.22 |
| 28/03/2020 21:30 | 6.4 | 279.55 | 29.66 | 100.44 | 4.32 | 40.49 | 1.15 | 49.08 | 7.71 | 0.22 |
| 28/03/2020 21:31 | 6.4 | 279.55 | 29.66 | 100.44 | 4.28 | 40.25 | 1.14 | 48.62 | 7.67 | 0.22 |
| 28/03/2020 21:32 | 6.4 | 279.55 | 29.66 | 100.44 | 4.22 | 39.89 | 1.13 | 48.65 | 7.68 | 0.22 |
| 28/03/2020 21:33 | 6.4 | 279.55 | 29.66 | 100.44 | 4.23 | 39.95 | 1.13 | 48.89 | 7.69 | 0.22 |
| 28/03/2020 21:34 | 6.4 | 279.55 | 29.66 | 100.44 | 4.23 | 39.95 | 1.13 | 48.68 | 7.68 | 0.22 |
| 28/03/2020 21:35 | 6.4 | 279.55 | 29.66 | 100.44 | 4.26 | 40.13 | 1.14 | 49.1 | 7.71 | 0.22 |
| 28/03/2020 21:36 | 6.4 | 279.55 | 29.66 | 100.44 | 4.28 | 40.25 | 1.14 | 49.07 | 7.71 | 0.22 |
| 28/03/2020 21:37 | 6.4 | 279.55 | 29.66 | 100.44 | 4.28 | 40.25 | 1.14 | 49.37 | 7.73 | 0.22 |
| 28/03/2020 21:38 | 6.4 | 279.55 | 29.66 | 100.44 | 4.29 | 40.31 | 1.14 | 49.18 | 7.71 | 0.22 |
| 28/03/2020 21:39 | 6.4 | 279.55 | 29.65 | 100.41 | 4.3 | 40.36 | 1.14 | 49.26 | 7.72 | 0.22 |
| 28/03/2020 21:40 | 6.5 | 279.65 | 29.65 | 100.41 | 4.28 | 40.23 | 1.14 | 49.06 | 7.7 | 0.22 |
| 28/03/2020 21:41 | 6.5 | 279.65 | 29.65 | 100.41 | 4.32 | 40.47 | 1.15 | 49.34 | 7.72 | 0.22 |
| 28/03/2020 21:42 | 6.5 | 279.65 | 29.65 | 100.41 | 4.23 | 39.93 | 1.13 | 48.81 | 7.69 | 0.22 |
| 28/03/2020 21:43 | 6.5 | 279.65 | 29.65 | 100.41 | 4.25 | 40.05 | 1.13 | 49.31 | 7.72 | 0.22 |
| 28/03/2020 21:44 | 6.5 | 279.65 | 29.64 | 100.37 | 4.24 | 39.98 | 1.13 | 49.69 | 7.75 | 0.22 |
| 28/03/2020 21:45 | 6.5 | 279.65 | 29.65 | 100.41 | 4.24 | 39.99 | 1.13 | 49.02 | 7.7 | 0.22 |
| 28/03/2020 21:46 | 6.5 | 279.65 | 29.64 | 100.37 | 4.26 | 40.1 | 1.14 | 49.42 | 7.73 | 0.22 |
| 28/03/2020 21:47 | 6.5 | 279.65 | 29.64 | 100.37 | 4.27 | 40.16 | 1.14 | 49.53 | 7.74 | 0.22 |
| 28/03/2020 21:48 | 6.5 | 279.65 | 29.64 | 100.37 | 4.27 | 40.16 | 1.14 | 48.76 | 7.68 | 0.22 |
| 28/03/2020 21:49 | 6.5 | 279.65 | 29.64 | 100.37 | 4.25 | 40.04 | 1.13 | 49.11 | 7.71 | 0.22 |
| 28/03/2020 21:50 | 6.5 | 279.65 | 29.64 | 100.37 | 4.26 | 40.1 | 1.14 | 49.42 | 7.73 | 0.22 |
| 28/03/2020 21:51 | 6.5 | 279.65 | 29.63 | 100.34 | 4.28 | 40.21 | 1.14 | 49.28 | 7.72 | 0.22 |
| 28/03/2020 21:52 | 6.5 | 279.65 | 29.63 | 100.34 | 4.27 | 40.15 | 1.14 | 48.67 | 7.67 | 0.22 |
| 28/03/2020 21:53 | 6.5 | 279.65 | 29.64 | 100.37 | 4.28 | 40.22 | 1.14 | 49.02 | 7.7 | 0.22 |
| 28/03/2020 21:54 | 6.5 | 279.65 | 29.63 | 100.34 | 4.24 | 39.97 | 1.13 | 49.1 | 7.7 | 0.22 |
| 28/03/2020 21:55 | 6.5 | 279.65 | 29.63 | 100.34 | 4.25 | 40.03 | 1.13 | 49.37 | 7.72 | 0.22 |
| 28/03/2020 21:56 | 6.5 | 279.65 | 29.63 | 100.34 | 4.3 | 40.33 | 1.14 | 48.85 | 7.69 | 0.22 |
| 28/03/2020 21:57 | 6.5 | 279.65 | 29.63 | 100.34 | 4.26 | 40.09 | 1.14 | 49.03 | 7.7 | 0.22 |
| 28/03/2020 21:58 | 6.5 | 279.65 | 29.63 | 100.34 | 4.25 | 40.03 | 1.13 | 48.94 | 7.69 | 0.22 |
| 28/03/2020 21:59 | 6.5 | 279.65 | 29.63 | 100.34 | 4.28 | 40.21 | 1.14 | 47.74 | 7.61 | 0.22 |
| 28/03/2020 22:00 | 6.5 | 279.65 | 29.62 | 100.3 | 4.31 | 40.38 | 1.14 | 48.73 | 7.68 | 0.22 |
| 28/03/2020 22:01 | 6.4 | 279.55 | 29.62 | 100.3 | 4.27 | 40.15 | 1.14 | 49.73 | 7.75 | 0.22 |
| 28/03/2020 22:02 | 6.4 | 279.55 | 29.62 | 100.3 | 4.29 | 40.27 | 1.14 | 49.43 | 7.73 | 0.22 |
| 28/03/2020 22:03 | 6.4 | 279.55 | 29.62 | 100.3 | 4.32 | 40.45 | 1.15 | 49.37 | 7.72 | 0.22 |
| 28/03/2020 22:04 | 6.4 | 279.55 | 29.62 | 100.3 | 4.29 | 40.27 | 1.14 | 49.21 | 7.71 | 0.22 |
| 28/03/2020 22:05 | 6.4 | 279.55 | 29.62 | 100.3 | 4.28 | 40.21 | 1.14 | 49.31 | 7.72 | 0.22 |
| 28/03/2020 22:06 | 6.4 | 279.55 | 29.62 | 100.3 | 4.23 | 39.91 | 1.13 | 49.18 | 7.71 | 0.22 |
| 28/03/2020 22:07 | 6.4 | 279.55 | 29.62 | 100.3 | 4.28 | 40.21 | 1.14 | 49.33 | 7.72 | 0.22 |

Station: RofD Rundle Periodically: 28/03/2020 00:00-28/03/2020 23:59 Type: AVG 1 Min. [1 Min.]

| | | | Courtice | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date & Time | Temperature - Ambient | Temperature - Ambient | Pressure | Pressure | Hi-Vol Pressure | HiVol | | PUF Pressure | PUF | |
| | C° | K° | in HG | kPa | in H20 | cfm | m3 | in H20 | cfm | m3 |
| 28/03/2020 22:08 | 6.4 | 279.55 | 29.62 | 100.3 | 4.26 | 40.09 | 1.14 | 49.24 | 7.71 | 0.22 |
| 28/03/2020 22:09 | 6.4 | 279.55 | 29.62 | 100.3 | 4.25 | 40.03 | 1.13 | 49.4 | 7.73 | 0.22 |
| 28/03/2020 22:10 | 6.4 | 279.55 | 29.62 | 100.3 | 4.31 | 40.39 | 1.14 | 49.5 | 7.73 | 0.22 |
| 28/03/2020 22:11 | 6.4 | 279.55 | 29.62 | 100.3 | 4.29 | 40.27 | 1.14 | 49.55 | 7.74 | 0.22 |
| 28/03/2020 22:12 | 6.4 | 279.55 | 29.63 | 100.34 | 4.3 | 40.34 | 1.14 | 48.92 | 7.69 | 0.22 |
| 28/03/2020 22:13 | 6.4 | 279.55 | 29.62 | 100.3 | 4.32 | 40.45 | 1.15 | 49.25 | 7.71 | 0.22 |
| 28/03/2020 22:14 | 6.5 | 279.65 | 29.63 | 100.34 | 4.24 | 39.97 | 1.13 | 49.73 | 7.75 | 0.22 |
| 28/03/2020 22:15 | 6.5 | 279.65 | 29.63 | 100.34 | 4.33 | 40.51 | 1.15 | 49.03 | 7.7 | 0.22 |
| 28/03/2020 22:16 | 6.5 | 279.65 | 29.63 | 100.34 | 4.26 | 40.09 | 1.14 | 49.52 | 7.73 | 0.22 |
| 28/03/2020 22:17 | 6.5 | 279.65 | 29.63 | 100.34 | 4.28 | 40.21 | 1.14 | 49.55 | 7.74 | 0.22 |
| 28/03/2020 22:18 | 6.5 | 279.65 | 29.63 | 100.34 | 4.28 | 40.21 | 1.14 | 49.3 | 7.72 | 0.22 |
| 28/03/2020 22:19 | 6.5 | 279.65 | 29.63 | 100.34 | 4.27 | 40.15 | 1.14 | 49.12 | 7.71 | 0.22 |
| 28/03/2020 22:20 | 6.5 | 279.65 | 29.63 | 100.34 | 4.29 | 40.27 | 1.14 | 49.59 | 7.74 | 0.22 |
| 28/03/2020 22:21 | 6.5 | 279.65 | 29.62 | 100.3 | 4.28 | 40.2 | 1.14 | 49.29 | 7.72 | 0.22 |
| 28/03/2020 22:22 | 6.5 | 279.65 | 29.63 | 100.34 | 4.32 | 40.45 | 1.15 | 49.58 | 7.74 | 0.22 |
| 28/03/2020 22:23 | 6.5 | 279.65 | 29.62 | 100.3 | 4.27 | 40.14 | 1.14 | 49.97 | 7.76 | 0.22 |
| 28/03/2020 22:24 | 6.6 | 279.75 | 29.62 | 100.3 | 4.29 | 40.25 | 1.14 | 49.6 | 7.74 | 0.22 |
| 28/03/2020 22:25 | 6.6 | 279.75 | 29.62 | 100.3 | 4.29 | 40.25 | 1.14 | 49.5 | 7.73 | 0.22 |
| 28/03/2020 22:26 | 6.6 | 279.75 | 29.62 | 100.3 | 4.25 | 40.01 | 1.13 | 49.91 | 7.76 | 0.22 |
| 28/03/2020 22:27 | 6.6 | 279.75 | 29.62 | 100.3 | 4.27 | 40.13 | 1.14 | 49.64 | 7.74 | 0.22 |
| 28/03/2020 22:28 | 6.6 | 279.75 | 29.62 | 100.3 | 4.28 | 40.19 | 1.14 | 49.35 | 7.72 | 0.22 |
| 28/03/2020 22:29 | 6.6 | 279.75 | 29.63 | 100.34 | 4.31 | 40.38 | 1.14 | 49.33 | 7.72 | 0.22 |
| 28/03/2020 22:30 | 6.6 | 279.75 | 29.63 | 100.34 | 4.27 | 40.14 | 1.14 | 49.26 | 7.71 | 0.22 |
| 28/03/2020 22:31 | 6.6 | 279.75 | 29.63 | 100.34 | 4.3 | 40.32 | 1.14 | 49.18 | 7.71 | 0.22 |
| 28/03/2020 22:32 | 6.6 | 279.75 | 29.63 | 100.34 | 4.21 | 39.78 | 1.13 | 49.44 | 7.73 | 0.22 |
| 28/03/2020 22:33 | 6.6 | 279.75 | 29.63 | 100.34 | 4.29 | 40.26 | 1.14 | 49.68 | 7.74 | 0.22 |
| 28/03/2020 22:34 | 6.6 | 279.75 | 29.63 | 100.34 | 4.26 | 40.08 | 1.13 | 49.38 | 7.72 | 0.22 |
| 28/03/2020 22:35 | 6.6 | 279.75 | 29.63 | 100.34 | 4.28 | 40.2 | 1.14 | 49.92 | 7.76 | 0.22 |
| 28/03/2020 22:36 | 6.6 | 279.75 | 29.63 | 100.34 | 4.31 | 40.38 | 1.14 | 49.31 | 7.72 | 0.22 |
| 28/03/2020 22:37 | 6.6 | 279.75 | 29.63 | 100.34 | 4.32 | 40.44 | 1.15 | 49.3 | 7.72 | 0.22 |
| 28/03/2020 22:38 | 6.6 | 279.75 | 29.64 | 100.37 | 4.3 | 40.33 | 1.14 | 49.78 | 7.75 | 0.22 |
| 28/03/2020 22:39 | 6.6 | 279.75 | 29.63 | 100.34 | 4.26 | 40.08 | 1.13 | 49.09 | 7.7 | 0.22 |
| 28/03/2020 22:40 | 6.6 | 279.75 | 29.64 | 100.37 | 4.24 | 39.97 | 1.13 | 49.12 | 7.7 | 0.22 |
| 28/03/2020 22:41 | 6.6 | 279.75 | 29.63 | 100.34 | 4.28 | 40.2 | 1.14 | 50.09 | 7.77 | 0.22 |
| 28/03/2020 22:42 | 6.6 | 279.75 | 29.63 | 100.34 | 4.25 | 40.02 | 1.13 | 49.88 | 7.76 | 0.22 |
| 28/03/2020 22:43 | 6.7 | 279.85 | 29.64 | 100.37 | 4.26 | 40.08 | 1.13 | 49.52 | 7.73 | 0.22 |
| 28/03/2020 22:44 | 6.7 | 279.85 | 29.64 | 100.37 | 4.29 | 40.26 | 1.14 | 49.21 | 7.71 | 0.22 |
| 28/03/2020 22:45 | 6.7 | 279.85 | 29.63 | 100.34 | 4.25 | 40.01 | 1.13 | 49.35 | 7.72 | 0.22 |
| 28/03/2020 22:46 | 6.7 | 279.85 | 29.63 | 100.34 | 4.26 | 40.07 | 1.13 | 50 | 7.77 | 0.22 |
| 28/03/2020 22:47 | 6.7 | 279.85 | 29.63 | 100.34 | 4.24 | 39.95 | 1.13 | 49.77 | 7.75 | 0.22 |
| 28/03/2020 22:48 | 6.6 | 279.75 | 29.63 | 100.34 | 4.29 | 40.26 | 1.14 | 49.97 | 7.76 | 0.22 |
| 28/03/2020 22:49 | 6.6 | 279.75 | 29.62 | 100.3 | 4.24 | 39.95 | 1.13 | 49.8 | 7.75 | 0.22 |
| 28/03/2020 22:50 | 6.6 | 279.75 | 29.62 | 100.3 | 4.23 | 39.89 | 1.13 | 49.29 | 7.71 | 0.22 |
| 28/03/2020 22:51 | 6.6 | 279.75 | 29.62 | 100.3 | 4.28 | 40.19 | 1.14 | 49.52 | 7.73 | 0.22 |
| 28/03/2020 22:52 | 6.6 | 279.75 | 29.62 | 100.3 | 4.27 | 40.13 | 1.14 | 50.19 | 7.78 | 0.22 |
| 28/03/2020 22:53 | 6.6 | 279.75 | 29.63 | 100.34 | 4.33 | 40.5 | 1.15 | 49.37 | 7.72 | 0.22 |
| 28/03/2020 22:54 | 6.6 | 279.75 | 29.63 | 100.34 | 4.25 | 40.02 | 1.13 | 49.55 | 7.73 | 0.22 |
| 28/03/2020 22:55 | 6.6 | 279.75 | 29.62 | 100.3 | 4.27 | 40.13 | 1.14 | 49.59 | 7.74 | 0.22 |
| 28/03/2020 22:56 | 6.6 | 279.75 | 29.63 | 100.34 | 4.21 | 39.78 | 1.13 | 49.67 | 7.74 | 0.22 |
| 28/03/2020 22:57 | 6.6 | 279.75 | 29.63 | 100.34 | 4.25 | 40.02 | 1.13 | 49.06 | 7.7 | 0.22 |
| 28/03/2020 22:58 | 6.6 | 279.75 | 29.63 | 100.34 | 4.26 | 40.08 | 1.13 | 49.59 | 7.74 | 0.22 |
| 28/03/2020 22:59 | 6.7 | 279.85 | 29.63 | 100.34 | 4.25 | 40.01 | 1.13 | 49.32 | 7.72 | 0.22 |
| 28/03/2020 23:00 | 6.7 | 279.85 | 29.62 | 100.3 | 4.24 | 39.94 | 1.13 | 49.96 | 7.76 | 0.22 |
| 28/03/2020 23:01 | 6.7 | 279.85 | 29.62 | 100.3 | 4.28 | 40.18 | 1.14 | 49.46 | 7.73 | 0.22 |
| 28/03/2020 23:02 | 6.6 | 279.75 | 29.62 | 100.3 | 4.25 | 40.01 | 1.13 | 49.7 | 7.74 | 0.22 |
| 28/03/2020 23:03 | 6.7 | 279.85 | 29.62 | 100.3 | 4.26 | 40.06 | 1.13 | 49.64 | 7.74 | 0.22 |
| 28/03/2020 23:04 | 6.6 | 279.75 | 29.62 | 100.3 | 4.27 | 40.13 | 1.14 | 49.74 | 7.75 | 0.22 |
| 28/03/2020 23:05 | 6.6 | 279.75 | 29.62 | 100.3 | 4.28 | 40.19 | 1.14 | 49.6 | 7.74 | 0.22 |
| 28/03/2020 23:06 | 6.6 | 279.75 | 29.63 | 100.34 | 4.23 | 39.9 | 1.13 | 49.51 | 7.73 | 0.22 |
| 28/03/2020 23:07 | 6.6 | 279.75 | 29.62 | 100.3 | 4.25 | 40.01 | 1.13 | 49.1 | 7.7 | 0.22 |
| 28/03/2020 23:08 | 6.6 | 279.75 | 29.62 | 100.3 | 4.29 | 40.25 | 1.14 | 49.45 | 7.73 | 0.22 |
| 28/03/2020 23:09 | 6.6 | 279.75 | 29.62 | 100.3 | 4.29 | 40.25 | 1.14 | 50.14 | 7.77 | 0.22 |
| 28/03/2020 23:10 | 6.6 | 279.75 | 29.62 | 100.3 | 4.31 | 40.37 | 1.14 | 49.55 | 7.73 | 0.22 |
| 28/03/2020 23:11 | 6.6 | 279.75 | 29.62 | 100.3 | 4.25 | 40.01 | 1.13 | 49.96 | 7.76 | 0.22 |
| 28/03/2020 23:12 | 6.6 | 279.75 | 29.62 | 100.3 | 4.28 | 40.19 | 1.14 | 49.71 | 7.74 | 0.22 |
| 28/03/2020 23:13 | 6.6 | 279.75 | 29.62 | 100.3 | 4.29 | 40.25 | 1.14 | 49.66 | 7.74 | 0.22 |
| 28/03/2020 23:14 | 6.6 | 279.75 | 29.62 | 100.3 | 4.26 | 40.07 | 1.13 | 49.66 | 7.74 | 0.22 |
| 28/03/2020 23:15 | 6.5 | 279.65 | 29.62 | 100.3 | 4.28 | 40.2 | 1.14 | 49.77 | 7.75 | 0.22 |
| 28/03/2020 23:16 | 6.5 | 279.65 | 29.62 | 100.3 | 4.27 | 40.14 | 1.14 | 49.64 | 7.74 | 0.22 |
| 28/03/2020 23:17 | 6.5 | 279.65 | 29.62 | 100.3 | 4.23 | 39.9 | 1.13 | 49.59 | 7.74 | 0.22 |
| 28/03/2020 23:18 | 6.5 | 279.65 | 29.62 | 100.3 | 4.3 | 40.32 | 1.14 | 49.46 | 7.73 | 0.22 |
| 28/03/2020 23:19 | 6.5 | 279.65 | 29.62 | 100.3 | 4.27 | 40.14 | 1.14 | 49.57 | 7.74 | 0.22 |
| 28/03/2020 23:20 | 6.5 | 279.65 | 29.62 | 100.3 | 4.28 | 40.2 | 1.14 | 49.2 | 7.71 | 0.22 |
| 28/03/2020 23:21 | 6.5 | 279.65 | 29.61 | 100.27 | 4.22 | 39.83 | 1.13 | 49.16 | 7.71 | 0.22 |
| 28/03/2020 23:22 | 6.5 | 279.65 | 29.61 | 100.27 | 4.25 | 40.01 | 1.13 | 49.62 | 7.74 | 0.22 |
| 28/03/2020 23:23 | 6.5 | 279.65 | 29.61 | 100.27 | 4.27 | 40.13 | 1.14 | 49.69 | 7.74 | 0.22 |
| 28/03/2020 23:24 | 6.5 | 279.65 | 29.61 | 100.27 | 4.28 | 40.19 | 1.14 | 49.39 | 7.72 | 0.22 |
| 28/03/2020 23:25 | 6.5 | 279.65 | 29.61 | 100.27 | 4.28 | 40.19 | 1.14 | 49.36 | 7.72 | 0.22 |
| 28/03/2020 23:26 | 6.5 | 279.65 | 29.61 | 100.27 | 4.3 | 40.31 | 1.14 | 49.31 | 7.72 | 0.22 |
| 28/03/2020 23:27 | 6.5 | 279.65 | 29.6 | 100.24 | 4.25 | 40.01 | 1.13 | 49.11 | 7.7 | 0.22 |
| 28/03/2020 23:28 | 6.5 | 279.65 | 29.61 | 100.27 | 4.29 | 40.25 | 1.14 | 49.74 | 7.75 | 0.22 |
| 28/03/2020 23:29 | 6.5 | 279.65 | 29.61 | 100.27 | 4.23 | 39.89 | 1.13 | 49.55 | 7.73 | 0.22 |
| 28/03/2020 23:30 | 6.5 | 279.65 | 29.61 | 100.27 | 4.31 | 40.37 | 1.14 | 49.14 | 7.7 | 0.22 |

Station: RofD Rundle Periodically: 28/03/2020 00:00-28/03/2020 23:59 Type: AVG 1 Min. [1 Min.]

| | | | Courtice | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Date & Time | Temperature - Ambient | Temperature - Ambient | Pressure | Pressure | Hi-Vol Pressure | HiVol | | PUF Pressure | PUF | |
| | C° | K° | in HG | kPa | in H20 | cfm | m3 | in H20 | cfm | m3 |
| 28/03/2020 23:31 | 6.5 | 279.65 | 29.61 | 100.27 | 4.26 | 40.07 | 1.13 | 49.4 | 7.72 | 0.22 |
| 28/03/2020 23:32 | 6.5 | 279.65 | 29.61 | 100.27 | 4.25 | 40.01 | 1.13 | 49.33 | 7.72 | 0.22 |
| 28/03/2020 23:33 | 6.5 | 279.65 | 29.61 | 100.27 | 4.29 | 40.25 | 1.14 | 49.47 | 7.73 | 0.22 |
| 28/03/2020 23:34 | 6.5 | 279.65 | 29.61 | 100.27 | 4.32 | 40.43 | 1.14 | 49.77 | 7.75 | 0.22 |
| 28/03/2020 23:35 | 6.5 | 279.65 | 29.61 | 100.27 | 4.27 | 40.13 | 1.14 | 49.21 | 7.71 | 0.22 |
| 28/03/2020 23:36 | 6.5 | 279.65 | 29.61 | 100.27 | 4.28 | 40.19 | 1.14 | 49.6 | 7.74 | 0.22 |
| 28/03/2020 23:37 | 6.5 | 279.65 | 29.61 | 100.27 | 4.27 | 40.13 | 1.14 | 50.21 | 7.78 | 0.22 |
| 28/03/2020 23:38 | 6.5 | 279.65 | 29.61 | 100.27 | 4.3 | 40.31 | 1.14 | 49.84 | 7.75 | 0.22 |
| 28/03/2020 23:39 | 6.5 | 279.65 | 29.61 | 100.27 | 4.32 | 40.43 | 1.14 | 49.97 | 7.76 | 0.22 |
| 28/03/2020 23:40 | 6.5 | 279.65 | 29.6 | 100.24 | 4.29 | 40.25 | 1.14 | 49.57 | 7.73 | 0.22 |
| 28/03/2020 23:41 | 6.5 | 279.65 | 29.61 | 100.27 | 4.28 | 40.19 | 1.14 | 48.96 | 7.69 | 0.22 |
| 28/03/2020 23:42 | 6.5 | 279.65 | 29.61 | 100.27 | 4.32 | 40.43 | 1.14 | 49.43 | 7.72 | 0.22 |
| 28/03/2020 23:43 | 6.5 | 279.65 | 29.61 | 100.27 | 4.27 | 40.13 | 1.14 | 49.2 | 7.71 | 0.22 |
| 28/03/2020 23:44 | 6.5 | 279.65 | 29.61 | 100.27 | 4.26 | 40.07 | 1.13 | 49.49 | 7.73 | 0.22 |
| 28/03/2020 23:45 | 6.5 | 279.65 | 29.6 | 100.24 | 4.28 | 40.19 | 1.14 | 49.22 | 7.71 | 0.22 |
| 28/03/2020 23:46 | 6.5 | 279.65 | 29.61 | 100.27 | 4.3 | 40.31 | 1.14 | 49.67 | 7.74 | 0.22 |
| 28/03/2020 23:47 | 6.6 | 279.75 | 29.6 | 100.24 | 4.32 | 40.42 | 1.14 | 48.87 | 7.68 | 0.22 |
| 28/03/2020 23:48 | 6.6 | 279.75 | 29.6 | 100.24 | 4.24 | 39.94 | 1.13 | 49.88 | 7.75 | 0.22 |
| 28/03/2020 23:49 | 6.5 | 279.65 | 29.6 | 100.24 | 4.33 | 40.49 | 1.15 | 49.79 | 7.75 | 0.22 |
| 28/03/2020 23:50 | 6.5 | 279.65 | 29.6 | 100.24 | 4.28 | 40.19 | 1.14 | 49.67 | 7.74 | 0.22 |
| 28/03/2020 23:51 | 6.5 | 279.65 | 29.6 | 100.24 | 4.29 | 40.25 | 1.14 | 49.67 | 7.74 | 0.22 |
| 28/03/2020 23:52 | 6.5 | 279.65 | 29.59 | 100.2 | 4.27 | 40.12 | 1.14 | 49.19 | 7.71 | 0.22 |
| 28/03/2020 23:53 | 6.5 | 279.65 | 29.59 | 100.2 | 4.26 | 40.06 | 1.13 | 48.95 | 7.69 | 0.22 |
| 28/03/2020 23:54 | 6.5 | 279.65 | 29.6 | 100.24 | 4.27 | 40.13 | 1.14 | 49.21 | 7.71 | 0.22 |
| 28/03/2020 23:55 | 6.5 | 279.65 | 29.6 | 100.24 | 4.3 | 40.31 | 1.14 | 49.38 | 7.72 | 0.22 |
| 28/03/2020 23:56 | 6.5 | 279.65 | 29.61 | 100.27 | 4.27 | 40.13 | 1.14 | 49.63 | 7.74 | 0.22 |
| 28/03/2020 23:57 | 6.6 | 279.75 | 29.61 | 100.27 | 4.27 | 40.13 | 1.14 | 49.67 | 7.74 | 0.22 |
| 28/03/2020 23:58 | 6.6 | 279.75 | 29.61 | 100.27 | 4.31 | 40.36 | 1.14 | 49.56 | 7.73 | 0.22 |
| 28/03/2020 23:59 | 6.6 | 279.75 | 29.61 | 100.27 | 4.25 | 40.01 | 1.13 | 49.34 | 7.72 | 0.22 |
| | | | | | | Total V: | 1661 | | Total V: | 319 |