



Leighton Contractors Pty Ltd

AirportlinkM7 Ambient Air Quality Monitoring Report

September 2015

Ref: DR.1509APL245

Issue Date: 22 October 2015

Norditech Pty Ltd
Unit 36/70 Holbeche Road
Arndell Park NSW 2148

m: +61 403 248 038
p: + 61 2 9622 6327
f: +61 2 9622 6340
bruno.nourdine@norditech.com.au
www.norditech.com.au



Document Control

| Revision | Date | Details | Prepared By | Approved By |
|----------|------------|----------|-------------|-------------|
| 0 | 22/10/2015 | Original | CP | BN |
| | | | | |
| | | | | |

Prepared by



Chris Priser
22 October 2015

Approved by



Bruno Nourdine
22 October 2015

Contents

| | |
|---|-----------|
| Glossary | 1 |
| Executive Summary | 2 |
| <i>Exceedence Reporting</i> | 2 |
| Introduction | 3 |
| Monitoring | 4 |
| <i>Site Locations</i> | 4 |
| <i>Station Instrumentation Details</i> | 4 |
| <i>Data Logging</i> | 5 |
| Results | 6 |
| <i>Station 1 (Aviation High School)</i> | 6 |
| Summary..... | 6 |
| Nitrogen Dioxide Summary..... | 7 |
| Carbon Monoxide Summary..... | 8 |
| PM _{2.5} Summary | 9 |
| PM ₁₀ Summary..... | 10 |
| <i>Station 2 (Kedron State High School)</i> | 11 |
| Summary..... | 11 |
| Nitrogen Dioxide Summary..... | 12 |
| Carbon Monoxide Summary..... | 13 |
| PM _{2.5} Summary..... | 14 |
| PM ₁₀ Summary | 15 |
| <i>Station 3 (Lewis Street)</i> | 16 |
| Summary..... | 16 |
| Nitrogen Dioxide Summary..... | 17 |
| Carbon Monoxide Summary..... | 18 |
| PM _{2.5} Summary | 19 |
| PM ₁₀ Summary..... | 20 |
| <i>Station 4 (Airportlink Operation Centre)</i> | 21 |
| Summary..... | 21 |
| Nitrogen Dioxide Summary..... | 22 |
| Carbon Monoxide Summary..... | 23 |
| PM _{2.5} Summary | 24 |
| PM ₁₀ Summary | 25 |
| <i>Station 5 (Bryden Street)</i> | 26 |
| Summary..... | 26 |
| Nitrogen Dioxide Summary..... | 27 |
| Carbon Monoxide Summary..... | 28 |
| PM _{2.5} Summary | 29 |
| PM ₁₀ Summary..... | 30 |
| Graphical Representations | 31 |
| <i>Nitrogen Dioxide</i> | 31 |
| <i>Carbon Monoxide 8hr Rolling Averages</i> | 32 |
| <i>PM₁₀ 24hr Averages</i> | 33 |
| <i>PM_{2.5} 24hr Averages</i> | 34 |
| TSP High Volume Air Sampler Results | 35 |
| Validation Tables | 36 |

| | |
|--|-----------|
| <i>Station 1 Aviation High School</i> | <i>36</i> |
| <i>Station 2 Kedron State High School</i> | <i>37</i> |
| <i>Station 3 Lewis Street.....</i> | <i>38</i> |
| <i>Station 4 Airport Link Operation Centre</i> | <i>39</i> |
| <i>Station 5 Bryden St.....</i> | <i>40</i> |

Glossary

The following terms and abbreviations may be found throughout this report:

AQMS – Air Quality Monitoring Station

EPA – Environment Protection Authority

NO – Nitric Oxide

NO₂ – Nitrogen Dioxide

NO_x – Nitrogen Oxides

CO – Carbon Monoxide

PM₁₀ – Particulate matter of 10 microns or less aerodynamic equivalent size

PM_{2.5} – Particulate matter of 2.5 microns or less aerodynamic equivalent size

TSP – Total Suspended Particulate

HVAS – High Volume Air Sampler

ppm – Parts Per Million

µg/m³ – micrograms per cubic meter

AHS – Aviation High School

KSHS – Kedron State High School

LS – Lewis Street

ALOC – Airportlink Operation Centre

BS – Bryden St

Executive Summary

Exceedence Reporting

There were no readings over the relevant Air Quality Standards during the reporting period.

| AirportlinkM7 AQMS Exceedence Reporting September 2015 | | | | | | | |
|--|--------------------------|-------------------------------|--------------------------------------|------------------|----------------|------------------|----------------|
| Pollutant | Averaging period | Maximum Allowed Concentration | Number of Exceedences September 2015 | | | | |
| | | | Station 1 (AHS) | Station 2 (KSHS) | Station 3 (LS) | Station 4 (ALOC) | Station 5 (BS) |
| Carbon Monoxide | 8 hour (rolling average) | 8 ppm | 0 | 0 | 0 | 0 | 0 |
| Nitrogen dioxide | 1 hour | 0.120 ppm | 0 | 0 | 0 | 0 | 0 |
| | 1 year | 63 µg/m ³ | 0 | 0 | 0 | 0 | 0 |
| PM2.5 | 24 hour | 25 µg/m ³ | 0 | 0 | 0 | 0 | 0 |
| PM10 | 24 hour | 50 µg/m ³ | 0 | 0 | 0 | 0 | 0 |

Table 1 Exceedence Reporting

Maximum allowed concentration criteria are as specified in Condition 19(k) of the Conditions of Approval.

Introduction

Norditech Pty Ltd was appointed by Leighton Contractors Pty Limited in February 2015 to operate, maintain and report on the AirportlinkM7 Air Quality Monitoring Network.

The AirportlinkM7 Air Quality Monitoring Network consists of five sites located in close proximity to key locations of the Airportlink project, and is a requirement of the Conditions of Approval issued by the Coordinator General.

The addresses of the two parties are as follows

AirportlinkM7
PO Box 412
Lutwyche QLD 4030

Norditech Pty Ltd
Unit 36/70 Holbeche Rd
Arndell Park NSW 2148

Monitoring

Site Locations

| AirportlinkM7 Site Location Coordinates | | |
|--|-------------------|------------------|
| | Latitude | Longitude |
| Station 1 (Aviation High School) | -27° 24' 46.5084" | 153° 3' 48.0744" |
| Station 2 (Kedron State High School) | -27° 24' 47.5344" | 153° 2' 17.8476" |
| Station 3 (Lewis Street) | -27° 24' 39.5532" | 153° 3' 18.18" |
| Station 4 (Airportlink Operation Centre) | -27° 24' 43.2252" | 153° 1' 58.3104" |
| Station 5 (Bryden Street) | -27° 26' 22.5852" | 153° 2' 5.784" |

Table 2 Site Location Coordinates

Station Instrumentation Details

Each station continuously monitors the following pollutants:

- NO (Nitrogen Oxide)
- NO₂ (Nitrogen Dioxide)
- NO_x (Total Oxides of Nitrogen)
- CO (Carbon Monoxide)
- PM₁₀
- PM_{2.5}
- TSP (Samples on a 1 in 6 day cycle)

Monthly validated data for each site are provided in the following Microsoft® Excel™ spreadsheet

- 201509 ALM7 Monthly Validated Data Spreadsheets.xlsx
 - Sheet 1 – 5 minute average data
 - Sheet 2 – 1 hour average data
 - Sheet 3 – 8 hour average data
 - Sheet 4 – 24 hour average data

| Instrumentation Details | | | | | | | | |
|--|-------------------|---------------------------|-------------------------------------|-----------------------|------------|-------------|-------------|------------|
| Parameter | Units | Uncertainty | Method | Last Calibration Date | | | | |
| | | | | Station 1 | Station 2 | Station 3 | Station 4 | Station 5 |
| NO NO ₂ NO _x | ppm | 2.78% | AS 3580.5.1 | 22/09/2015 | 22/09/2015 | 22/09/2015 | 22/09/2015 | 22/09/2015 |
| CO | ppm | 2.56% | AS 3580.7.1 | 22/09/2015 | 22/09/2015 | 22/09/2015 | 22/09/2015 | 22/09/2015 |
| PM ₁₀ | µg/m ³ | 3.21 µg/m ³ | AS 3580.9.11 | 28/08/2015* | 28/08/2015 | 27/08/2015* | 28/08/2015* | 28/08/2015 |
| PM _{2.5} | µg/m ³ | 3.21 µg/m ³ | AS 3580.9.12 / EQPM 0308- 170 | 28/08/2015 | 28/08/2015 | 27/08/2015 | 28/08/2015 | 28/08/2015 |
| TSP | µg/m ³ | 7.34% | AS 3580.9.3 | 22/09/2015 | 22/09/2015 | 22/09/2015 | 22/09/2015 | 22/09/2015 |

Table 3 Instrumentation Details

* These sites have TEOMs installed operating under method AS 3580.9.8

Data Logging

Data are recorded to a WinAQMS data logger located at each site at 5 minute averaging periods, calculated from 10 second samples. All data are retrieved periodically, approximately on an hourly basis, over a private 3G network, to a central WinCollect database, where data validation is performed to remove any data not deemed as valid prior to reporting. Data validation is performed as per the relevant standard, and/or as per the instrument manufacturers recommended guidelines.

All CO and NO_x averages greater than 5 minute averages are calculated from the 5 minute average data set. 75% valid data must be available to calculate re-averaged data. For example, to calculate a 1hr average from 5 minute data, there must be a minimum of 9 out of 12 valid 5 minute average data points available. PM_{2.5} and PM₁₀ 24 hour averages and capture rates are based on the 1 hour averages due to their update frequency.

All data is recorded to Australian Eastern Standard Time.

Data capture rates are calculated as per the following formula:

$$Data\ Capture\ Rate\ \% = \frac{Available\ data\ points}{Total\ data\ points} * 100$$

where:

Available data points = total number of 5 minute averages for the reporting period in which valid data was recorded

Total data points = total number of 5 minute averages for the reporting period inclusive of invalid data

Results

Station 1 (Aviation High School)

Summary

| Station 1 Aviation High School Ambient AQMS Summary September 2015 | | | | |
|--|--------------------------|-------------|---|--|
| | NO ₂ (ppm) | CO (ppm) | PM _{2.5} (µg/m ³) | PM ₁₀ (µg/m ³) |
| Monthly Average | 0.007 | 0.2 | 6.5 | 13.9 |
| Min 1hr Average | -0.002 | -0.1 | -1.0 | 2.8 |
| Max 1hr Average | 0.035 | 0.7 | 19.5 | 62.3 |
| Max 8hr Rolling Average | N/A | 0.5 | N/A | N/A |
| Max 24hr Average | N/A | N/A | 8.2 | 18.8 |
| Capture Rate (%) | 93.5 | 93.1 | 92.1 | 95.8 |

Table 4 Station 1 Monthly Summary

Maximum allowable CO 8 hour rolling average is 8ppm
 Maximum allowable NO₂ 1 hour average is 0.12 ppm
 Maximum allowable PM_{2.5} 24 hour average is 25 µg/m³
 Maximum allowable PM₁₀ 24 hour average is 50 µg/m³

Nitrogen Dioxide Summary

Station 1 Aviation High School Ambient AQMS Nitrogen Dioxide Summary September 2015

| Date | 24hr Avg (ppm) | Min (ppm) | 1 hr Avgs | | Number of Exceedences 1hr Avg > 0.120 ppm | Capture Rate |
|-------------------------|----------------|-----------|-----------|-------------|--|--------------|
| | | | Max (ppm) | Time of Max | | |
| 1/09/2015 | 0.013 | 0.000 | 0.035 | 18:00 | 0 | 97.2 |
| 2/09/2015 | 0.017 | 0.003 | 0.034 | 20:00 | 0 | 97.2 |
| 3/09/2015 | 0.005 | -0.001 | 0.019 | 7:00 | 0 | 97.2 |
| 4/09/2015 | 0.004 | 0.001 | 0.009 | 7:00 | 0 | 97.2 |
| 5/09/2015 | 0.007 | -0.001 | 0.024 | 21:00 | 0 | 97.2 |
| 6/09/2015 | 0.008 | 0.000 | 0.026 | 20:00 | 0 | 97.2 |
| 7/09/2015 | 0.006 | 0.002 | 0.016 | 7:00 | 0 | 97.2 |
| 8/09/2015 | 0.008 | -0.001 | 0.020 | 6:00 | 0 | 97.2 |
| 9/09/2015 | 0.010 | -0.001 | 0.026 | 21:00 | 0 | 97.2 |
| 10/09/2015 | 0.007 | 0.000 | 0.020 | 0:00 | 0 | 97.2 |
| 11/09/2015 | 0.004 | -0.001 | 0.015 | 8:00 | 0 | 97.2 |
| 12/09/2015 | 0.004 | -0.002 | 0.020 | 21:00 | 0 | 97.2 |
| 13/09/2015 | 0.008 | -0.001 | 0.024 | 21:00 | 0 | 97.2 |
| 14/09/2015 | 0.010 | 0.001 | 0.026 | 20:00 | 0 | 97.2 |
| 15/09/2015 | 0.009 | 0.001 | 0.020 | 7:00 | 0 | 97.2 |
| 16/09/2015 | 0.007 | 0.001 | 0.016 | 6:00 | 0 | 97.2 |
| ¹ 17/09/2015 | - | 0.002 | 0.025 | 8:00 | 0 | 67.7 |
| ¹ 18/09/2015 | - | 0.000 | 0.012 | 10:00 | 0 | 57.1 |
| 19/09/2015 | 0.001 | -0.001 | 0.006 | 22:00 | 0 | 97.2 |
| 20/09/2015 | 0.001 | -0.001 | 0.004 | 0:00 | 0 | 97.2 |
| 21/09/2015 | 0.008 | 0.000 | 0.024 | 19:00 | 0 | 97.2 |
| 22/09/2015 | 0.011 | 0.000 | 0.026 | 19:00 | 0 | 93.1 |
| 23/09/2015 | 0.005 | 0.001 | 0.016 | 6:00 | 0 | 97.2 |
| 24/09/2015 | 0.005 | 0.000 | 0.016 | 6:00 | 0 | 97.2 |
| 25/09/2015 | 0.008 | 0.000 | 0.020 | 5:00 | 0 | 97.2 |
| 26/09/2015 | 0.002 | -0.001 | 0.012 | 21:00 | 0 | 97.2 |
| 27/09/2015 | 0.007 | 0.000 | 0.019 | 19:00 | 0 | 97.2 |
| 28/09/2015 | 0.009 | 0.003 | 0.019 | 23:00 | 0 | 97.2 |
| 29/09/2015 | 0.009 | 0.000 | 0.024 | 17:00 | 0 | 97.2 |
| 30/09/2015 | 0.008 | 0.001 | 0.015 | 19:00 | 0 | 97.2 |

Results highlighted in red indicate the highest recorded value for the relevant averaging period for the month.

There will be no daily results if there is less than 75% valid data for that day

¹ Loss of data due to power failure

Table 5 Station 1 Nitrogen Dioxide Monthly Summary

Carbon Monoxide Summary

| Station 1 Aviation High School Ambient AQMS Carbon Monoxide Summary September 2015 | | | | | | | | |
|--|-----------------|-----------|-----------|-------------|-------------------|-------------|--------------------|--------------|
| Date | 24 hr Avg (ppm) | 1 hr Avgs | | | 8 hr Rolling Avgs | | No. of exceedences | Capture Rate |
| | | Min (ppm) | Max (ppm) | Time of Max | Max (ppm) | Time of Max | 8hr Avg > 8.0 ppm | |
| 1/09/2015 | 0.2 | 0.1 | 0.6 | 19:00 | 0.4 | 23:00 | 0 | 96.2 |
| 2/09/2015 | 0.3 | 0.1 | 0.7 | 7:00 | 0.4 | 1:00 | 0 | 95.1 |
| 3/09/2015 | 0.2 | 0.1 | 0.4 | 8:00 | 0.3 | 10:00 | 0 | 96.2 |
| 4/09/2015 | 0.2 | 0.1 | 0.2 | 8:00 | 0.2 | 23:00 | 0 | 95.5 |
| 5/09/2015 | 0.2 | 0.1 | 0.5 | 21:00 | 0.3 | 23:00 | 0 | 95.1 |
| 6/09/2015 | 0.2 | 0.1 | 0.4 | 0:00 | 0.4 | 2:00 | 0 | 96.2 |
| 7/09/2015 | 0.2 | -0.1 | 0.5 | 6:00 | 0.3 | 10:00 | 0 | 94.4 |
| 8/09/2015 | 0.2 | 0.1 | 0.4 | 6:00 | 0.3 | 8:00 | 0 | 95.8 |
| 9/09/2015 | 0.2 | 0.1 | 0.5 | 23:00 | 0.3 | 23:00 | 0 | 95.5 |
| 10/09/2015 | 0.2 | 0.1 | 0.4 | 06:00 | 0.4 | 2:00 | 0 | 96.5 |
| 11/09/2015 | 0.2 | 0.1 | 0.3 | 8:00 | 0.2 | 10:00 | 0 | 96.9 |
| 12/09/2015 | 0.2 | 0.1 | 0.5 | 21:00 | 0.3 | 23:00 | 0 | 96.9 |
| 13/09/2015 | 0.3 | 0.2 | 0.6 | 21:00 | 0.4 | 3:00 | 0 | 96.9 |
| 14/09/2015 | 0.3 | 0.2 | 0.6 | 23:00 | 0.4 | 2:00 | 0 | 96.9 |
| 15/09/2015 | 0.2 | 0.1 | 0.5 | 6:00 | 0.4 | 2:00 | 0 | 96.2 |
| 16/09/2015 | 0.2 | 0.1 | 0.5 | 6:00 | 0.3 | 8:00 | 0 | 95.5 |
| ¹ 17/09/2015 | - | 0.2 | 0.7 | 8:00 | 0.5 | 13:00 | 0 | 67.7 |
| ¹ 18/09/2015 | - | -0.1 | 0.0 | 16:00 | 0.0 | 16:00 | 0 | 46.0 |
| 19/09/2015 | 0.1 | 0.0 | 0.3 | 9:00 | 0.2 | 14:00 | 0 | 96.9 |
| 20/09/2015 | 0.2 | 0.1 | 0.4 | 10:00 | 0.2 | 15:00 | 0 | 96.9 |
| 21/09/2015 | 0.3 | 0.1 | 0.4 | 22:00 | 0.3 | 15:00 | 0 | 96.9 |
| 22/09/2015 | 0.3 | 0.1 | 0.4 | 9:00 | 0.4 | 15:00 | 0 | 92.0 |
| 23/09/2015 | 0.3 | 0.1 | 0.7 | 9:00 | 0.5 | 9:00 | 0 | 96.2 |
| 24/09/2015 | 0.3 | 0.2 | 0.6 | 8:00 | 0.3 | 10:00 | 0 | 96.2 |
| 25/09/2015 | 0.3 | 0.1 | 0.5 | 8:00 | 0.4 | 9:00 | 0 | 95.8 |
| 26/09/2015 | 0.3 | 0.0 | 0.5 | 8:00 | 0.3 | 10:00 | 0 | 96.2 |
| 27/09/2015 | 0.3 | 0.0 | 0.5 | 19:00 | 0.4 | 23:00 | 0 | 96.2 |
| 28/09/2015 | 0.4 | 0.2 | 0.6 | 9:00 | 0.5 | 9:00 | 0 | 95.8 |
| 29/09/2015 | 0.4 | 0.3 | 0.7 | 8:00 | 0.5 | 8:00 | 0 | 95.5 |
| 30/09/2015 | 0.2 | -0.1 | 0.7 | 8:00 | 0.5 | 8:00 | 0 | 96.5 |

Results highlighted in red indicate the highest recorded value for the relevant averaging period for the month.

There will be no daily results if there is less than 75% valid data for that day

¹ Loss of data due to power failure

Table 6 Station 1 Carbon Monoxide Monthly Summary

PM_{2.5} Summary

Station 1 Aviation High School Ambient AQMS Particulate PM_{2.5} Summary September 2015

| Date | 24 hr Avg (µg/m ³) | 1 hr Avgs | | | No. of exceedences 24hr Avg > 25.0 µg/m ³ | Capture Rate |
|-------------------------|-----------------------------------|-----------------------------|-----------------------------|-------------|---|--------------|
| | | Min (µg/m ³) | Max (µg/m ³) | Time of Max | | |
| 1/09/2015 | 4.4 | -1.0 | 11.0 | 22:00 | 0 | 91.7 |
| 2/09/2015 | 7.2 | 0.0 | 18.8 | 22:00 | 0 | 100.0 |
| 3/09/2015 | 6.9 | 2.3 | 15.7 | 8:00 | 0 | 95.7 |
| 4/09/2015 | 5.0 | -0.6 | 18.8 | 18:00 | 0 | 95.8 |
| 5/09/2015 | 6.8 | -0.9 | 15.0 | 17:00 | 0 | 100.0 |
| 6/09/2015 | 7.4 | 0.3 | 16.5 | 12:00 | 0 | 100.0 |
| 7/09/2015 | 6.3 | -1.0 | 19.0 | 12:00 | 0 | 87.5 |
| 8/09/2015 | 7.7 | 1.6 | 15.8 | 12:00 | 0 | 95.7 |
| 9/09/2015 | 6.3 | -0.9 | 18.6 | 15:00 | 0 | 95.8 |
| 10/09/2015 | 6.1 | -0.8 | 11.0 | 7:00 | 0 | 100.0 |
| 11/09/2015 | 4.7 | 0.3 | 10.7 | 9:00 | 0 | 100.0 |
| 12/09/2015 | 4.9 | 0.0 | 11.9 | 23:00 | 0 | 91.7 |
| 13/09/2015 | 6.6 | 2.1 | 19.3 | 3:00 | 0 | 95.8 |
| 14/09/2015 | 4.2 | 0.2 | 8.9 | 1:00 | 0 | 100.0 |
| 15/09/2015 | 6.9 | 1.0 | 14.6 | 8:00 | 0 | 95.8 |
| 16/09/2015 | 8.0 | 0.0 | 15.8 | 22:00 | 0 | 95.8 |
| ¹ 17/09/2015 | - | 7.0 | 19.5 | 15:00 | 0 | 70.8 |
| ¹ 18/09/2015 | - | 0.2 | 11.9 | 17:00 | 0 | 52.2 |
| 19/09/2015 | 5.4 | 1.0 | 8.8 | 10:00 | 0 | 79.2 |
| 20/09/2015 | 5.8 | 1.5 | 15.0 | 23:00 | 0 | 95.8 |
| 21/09/2015 | 4.8 | -0.5 | 11.0 | 23:00 | 0 | 100.0 |
| 22/09/2015 | 8.1 | 4.2 | 15.8 | 20:00 | 0 | 87.5 |
| 23/09/2015 | 8.2 | 1.0 | 15.7 | 17:00 | 0 | 95.8 |
| 24/09/2015 | 5.3 | 0.0 | 16.2 | 20:00 | 0 | 87.5 |
| 25/09/2015 | 5.7 | 0.0 | 11.7 | 17:00 | 0 | 95.8 |
| 26/09/2015 | 4.3 | -0.6 | 9.9 | 18:00 | 0 | 95.8 |
| 27/09/2015 | 6.8 | 0.1 | 15.3 | 19:00 | 0 | 91.3 |
| 28/09/2015 | 8.0 | -0.6 | 16.5 | 0:00 | 0 | 100.0 |
| 29/09/2015 | 7.3 | -1.0 | 18.0 | 23:00 | 0 | 91.7 |
| 30/09/2015 | 7.5 | 3.1 | 16.2 | 18:00 | 0 | 95.7 |

Results highlighted in red indicate the highest recorded value for the relevant averaging period for the month.

There will be no daily results if there is less than 75% valid data for that day

¹ Loss of data due to power failure

Table 7 Station 1 PM_{2.5} Monthly Summary

PM₁₀ Summary

Station 1 Aviation High School Ambient AQMS Particulate PM10 Summary September 2015

| Date | 24 hr Avg (µg/m ³) | 1 hr Avgs | | | No. of exceedences 24hr Avg > 50.0 µg/m ³ | Capture Rate |
|-------------------------|-----------------------------------|-----------------------------|-----------------------------|-------------|---|--------------|
| | | Min (µg/m ³) | Max (µg/m ³) | Time of Max | | |
| 1/09/2015 | 12.1 | 3.9 | 35.2 | 20:00 | 0 | 79.2 |
| 2/09/2015 | 18.6 | 6.7 | 33.4 | 16:00 | 0 | 100.0 |
| 3/09/2015 | 18.8 | 7.9 | 37.5 | 13:00 | 0 | 100.0 |
| 4/09/2015 | 16.7 | 5.9 | 37.0 | 15:00 | 0 | 100.0 |
| 5/09/2015 | 16.7 | 10.2 | 22.9 | 21:00 | 0 | 100.0 |
| 6/09/2015 | 14.4 | 6.0 | 21.6 | 17:00 | 0 | 100.0 |
| 7/09/2015 | 14.9 | 5.1 | 62.3 | 1:00 | 0 | 100.0 |
| 8/09/2015 | 13.3 | 4.0 | 36.9 | 15:00 | 0 | 91.7 |
| 9/09/2015 | 15.3 | 6.4 | 33.6 | 14:00 | 0 | 100.0 |
| 10/09/2015 | 17.5 | 9.3 | 31.7 | 14:00 | 0 | 100.0 |
| 11/09/2015 | 13.4 | 5.4 | 24.4 | 10:00 | 0 | 95.8 |
| 12/09/2015 | 11.1 | 2.8 | 18.9 | 21:00 | 0 | 95.8 |
| 13/09/2015 | 11.5 | 6.6 | 17.5 | 20:00 | 0 | 100.0 |
| 14/09/2015 | 12.8 | 5.3 | 23.0 | 9:00 | 0 | 100.0 |
| 15/09/2015 | 14.9 | 7.6 | 29.2 | 8:00 | 0 | 91.7 |
| 16/09/2015 | 15.5 | 5.0 | 32.1 | 18:00 | 0 | 100.0 |
| ¹ 17/09/2015 | - | 6.3 | 29.3 | 16:00 | 0 | 70.8 |
| ¹ 18/09/2015 | - | 8.1 | 26.6 | 13:00 | 0 | 60.9 |
| 19/09/2015 | 13.1 | 7.4 | 20.4 | 18:00 | 0 | 95.8 |
| 20/09/2015 | 10.3 | 6.1 | 15.7 | 20:00 | 0 | 100.0 |
| 21/09/2015 | 14.0 | 2.8 | 24.2 | 21:00 | 0 | 100.0 |
| 22/09/2015 | 14.1 | 7.0 | 23.2 | 18:00 | 0 | 91.7 |
| 23/09/2015 | 16.5 | 6.9 | 33.4 | 7:00 | 0 | 100.0 |
| 24/09/2015 | 12.3 | 4.6 | 20.5 | 20:00 | 0 | 100.0 |
| 25/09/2015 | 11.3 | 5.7 | 21.8 | 15:00 | 0 | 100.0 |
| 26/09/2015 | 7.7 | 3.4 | 12.8 | 16:00 | 0 | 100.0 |
| 27/09/2015 | 11.3 | 5.9 | 17.9 | 17:00 | 0 | 100.0 |
| 28/09/2015 | 11.9 | 7.8 | 15.8 | 6:00 | 0 | 100.0 |
| 29/09/2015 | 11.6 | 6.3 | 19.0 | 14:00 | 0 | 100.0 |
| 30/09/2015 | 13.4 | 9.0 | 20.1 | 18:00 | 0 | 100.0 |

Results highlighted in red indicate the highest recorded value for the relevant averaging period for the month.

There will be no daily results if there is less than 75% valid data for that day

¹ Loss of data due to power failure

Table 8 Station 1 PM₁₀ Monthly Summary

Station 2 (Kedron State High School)

Summary

| Station 2 Kedron State High School Ambient AQMS Summary September 2015 | | | | |
|--|--------------------------|-------------|---|--|
| | NO ₂ (ppm) | CO (ppm) | PM _{2.5} (µg/m ³) | PM ₁₀ (µg/m ³) |
| Monthly Average | 0.010 | 0.1 | 4.0 | 13.3 |
| Min 1hr Average | 0.002 | 0.0 | -1.0 | 2.3 |
| Max 1hr Average | 0.031 | 0.5 | 17.0 | 84.1 |
| Max 8hr Rolling Average | N/A | 0.3 | N/A | N/A |
| Max 24hr Average | N/A | N/A | 9.8 | 21.6 |
| Capture Rate (%) | 95.7 | 95.7 | 95.8 | 100 |

Table 9 Station 2 Monthly Summary

Maximum allowable CO 8 hour rolling average is 8ppm
 Maximum allowable NO₂ 1 hour average is 0.12 ppm
 Maximum allowable PM_{2.5} 24 hour average is 25 µg/m³
 Maximum allowable PM₁₀ 24 hour average is 50 µg/m³

Nitrogen Dioxide Summary

| Station 2 KSHS Ambient AQMS Nitrogen Dioxide Summary September 2015 | | | | | | |
|---|----------------|-----------|-----------|-------------|--|--------------|
| Date | 24hr Avg (ppm) | Min (ppm) | 1 hr Avgs | | Number of Exceedences 1hr Avg > 0.120 ppm | Capture Rate |
| | | | Max (ppm) | Time of Max | | |
| 1/09/2015 | 0.014 | 0.004 | 0.031 | 20:00 | 0 | 95.8 |
| 2/09/2015 | 0.016 | 0.004 | 0.030 | 7:00 | 0 | 95.8 |
| 3/09/2015 | 0.008 | 0.002 | 0.019 | 8:00 | 0 | 95.8 |
| 4/09/2015 | 0.007 | 0.002 | 0.020 | 17:00 | 0 | 95.8 |
| 5/09/2015 | 0.011 | 0.002 | 0.023 | 21:00 | 0 | 95.8 |
| 6/09/2015 | 0.010 | 0.003 | 0.022 | 0:00 | 0 | 95.8 |
| 7/09/2015 | 0.007 | 0.003 | 0.019 | 7:00 | 0 | 95.8 |
| 8/09/2015 | 0.007 | 0.003 | 0.014 | 6:00 | 0 | 95.8 |
| 9/09/2015 | 0.010 | 0.003 | 0.024 | 21:00 | 0 | 95.8 |
| 10/09/2015 | 0.011 | 0.004 | 0.024 | 3:00 | 0 | 95.8 |
| 11/09/2015 | 0.009 | 0.004 | 0.023 | 7:00 | 0 | 95.8 |
| 12/09/2015 | 0.009 | 0.002 | 0.023 | 23:00 | 0 | 95.8 |
| 13/09/2015 | 0.011 | 0.003 | 0.023 | 21:00 | 0 | 95.8 |
| 14/09/2015 | 0.014 | 0.002 | 0.025 | 6:00 | 0 | 95.8 |
| 15/09/2015 | 0.009 | 0.002 | 0.020 | 8:00 | 0 | 95.8 |
| 16/09/2015 | 0.008 | 0.003 | 0.015 | 7:00 | 0 | 95.8 |
| 17/09/2015 | 0.014 | 0.005 | 0.023 | 8:00 | 0 | 95.8 |
| 18/09/2015 | 0.010 | 0.005 | 0.018 | 22:00 | 0 | 95.8 |
| 19/09/2015 | 0.008 | 0.002 | 0.016 | 22:00 | 0 | 95.8 |
| 20/09/2015 | 0.005 | 0.002 | 0.012 | 3:00 | 0 | 95.8 |
| 21/09/2015 | 0.011 | 0.003 | 0.024 | 20:00 | 0 | 95.8 |
| 22/09/2015 | 0.010 | 0.003 | 0.016 | 0:00 | 0 | 91.7 |
| 23/09/2015 | 0.009 | 0.005 | 0.020 | 6:00 | 0 | 95.8 |
| 24/09/2015 | 0.007 | 0.004 | 0.014 | 6:00 | 0 | 95.8 |
| 25/09/2015 | 0.009 | 0.004 | 0.016 | 21:00 | 0 | 95.8 |
| 26/09/2015 | 0.007 | 0.003 | 0.017 | 23:00 | 0 | 95.8 |
| 27/09/2015 | 0.009 | 0.003 | 0.020 | 22:00 | 0 | 95.8 |
| 28/09/2015 | 0.010 | 0.003 | 0.017 | 5:00 | 0 | 95.8 |
| 29/09/2015 | 0.010 | 0.002 | 0.018 | 7:00 | 0 | 95.8 |
| 30/09/2015 | 0.009 | 0.003 | 0.015 | 23:00 | 0 | 95.8 |

Results highlighted in red indicate the highest recorded value for the relevant averaging period for the month.
There will be no daily results if there is less than 75% valid data for that day

Table 10 Station 2 Nitrogen Dioxide Monthly Summary

Carbon Monoxide Summary

Station 2 KSHS Ambient AQMS Carbon Monoxide Summary September 2015

| Date | 24 hr Avg (ppm) | 1 hr Avgs | | | 8 hr Rolling Avgs | | No. of exceedences | Capture Rate |
|------------|-----------------|-----------|-----------|-------------|-------------------|-------------|--------------------|--------------|
| | | Min (ppm) | Max (ppm) | Time of Max | Max (ppm) | Time of Max | 8hr Avg > 8.0 ppm | |
| 1/09/2015 | 0.2 | 0.0 | 0.4 | 20:00 | 0.3 | 23:00 | 0 | 96.9 |
| 2/09/2015 | 0.2 | 0.1 | 0.5 | 7:00 | 0.3 | 1:00 | 0 | 96.9 |
| 3/09/2015 | 0.1 | 0.0 | 0.3 | 8:00 | 0.3 | 1:00 | 0 | 96.9 |
| 4/09/2015 | 0.1 | 0.0 | 0.2 | 17:00 | 0.1 | 23:00 | 0 | 96.9 |
| 5/09/2015 | 0.2 | 0.1 | 0.4 | 23:00 | 0.3 | 23:00 | 0 | 96.9 |
| 6/09/2015 | 0.1 | 0.1 | 0.4 | 0:00 | 0.3 | 2:00 | 0 | 96.9 |
| 7/09/2015 | 0.2 | 0.1 | 0.3 | 7:00 | 0.2 | 8:00 | 0 | 96.9 |
| 8/09/2015 | 0.1 | 0.0 | 0.2 | 7:00 | 0.1 | 7:00 | 0 | 96.9 |
| 9/09/2015 | 0.1 | 0.0 | 0.3 | 21:00 | 0.2 | 23:00 | 0 | 96.9 |
| 10/09/2015 | 0.1 | 0.1 | 0.4 | 6:00 | 0.2 | 3:00 | 0 | 96.9 |
| 11/09/2015 | 0.2 | 0.1 | 0.3 | 6:00 | 0.2 | 9:00 | 0 | 96.9 |
| 12/09/2015 | 0.2 | 0.1 | 0.4 | 23:00 | 0.2 | 23:00 | 0 | 96.9 |
| 13/09/2015 | 0.2 | 0.1 | 0.4 | 22:00 | 0.3 | 3:00 | 0 | 96.9 |
| 14/09/2015 | 0.2 | 0.1 | 0.4 | 23:00 | 0.3 | 2:00 | 0 | 96.9 |
| 15/09/2015 | 0.2 | 0.1 | 0.3 | 0:00 | 0.3 | 2:00 | 0 | 96.9 |
| 16/09/2015 | 0.2 | 0.1 | 0.3 | 7:00 | 0.2 | 7:00 | 0 | 96.9 |
| 17/09/2015 | 0.3 | 0.2 | 0.5 | 8:00 | 0.3 | 23:00 | 0 | 96.9 |
| 18/09/2015 | 0.1 | 0.0 | 0.3 | 0:00 | 0.3 | 0:00 | 0 | 96.9 |
| 19/09/2015 | 0.1 | 0.1 | 0.2 | 22:00 | 0.1 | 23:00 | 0 | 96.9 |
| 20/09/2015 | 0.1 | 0.1 | 0.2 | 21:00 | 0.1 | 22:00 | 0 | 96.9 |
| 21/09/2015 | 0.2 | 0.1 | 0.4 | 22:00 | 0.2 | 23:00 | 0 | 96.9 |
| 22/09/2015 | 0.1 | 0.0 | 0.3 | 0:00 | 0.3 | 2:00 | 0 | 94.8 |
| 23/09/2015 | 0.1 | 0.1 | 0.2 | 6:00 | 0.1 | 8:00 | 0 | 96.9 |
| 24/09/2015 | 0.1 | 0.0 | 0.1 | 23:00 | 0.1 | 0:00 | 0 | 96.9 |
| 25/09/2015 | 0.1 | 0.0 | 0.2 | 16:00 | 0.2 | 22:00 | 0 | 96.9 |
| 26/09/2015 | 0.1 | 0.1 | 0.2 | 21:00 | 0.2 | 23:00 | 0 | 96.5 |
| 27/09/2015 | 0.1 | 0.0 | 0.3 | 22:00 | 0.2 | 23:00 | 0 | 96.5 |
| 28/09/2015 | 0.1 | 0.1 | 0.3 | 6:00 | 0.2 | 1:00 | 0 | 96.5 |
| 29/09/2015 | 0.1 | 0.1 | 0.3 | 6:00 | 0.2 | 7:00 | 0 | 96.2 |
| 30/09/2015 | 0.2 | 0.1 | 0.3 | 6:00 | 0.2 | 12:00 | 0 | 96.5 |

Results highlighted in red indicate the highest recorded value for the relevant averaging period for the month.

There will be no daily results if there is less than 75% valid data for that day

Table 11 Station 2 Carbon Monoxide Monthly Summary

PM_{2.5} Summary

| Station 2 KSHS Ambient AQMS Particulate PM _{2.5} Summary September 2015 | | | | | | |
|--|---|-------------------------------------|-------------------------------------|-------------|---|--------------|
| Date | 24 hr Avg ($\mu\text{g}/\text{m}^3$) | 1 hr Avgs | | | No. of exceedences | Capture Rate |
| | | Min ($\mu\text{g}/\text{m}^3$) | Max ($\mu\text{g}/\text{m}^3$) | Time of Max | 24hr Avg > 25.0 $\mu\text{g}/\text{m}^3$ | |
| 1/09/2015 | 3.4 | 0.0 | 11.6 | 20:00 | 0 | 95.8 |
| 2/09/2015 | 5.4 | 1.0 | 10.9 | 23:00 | 0 | 95.8 |
| 3/09/2015 | 5.7 | 1.0 | 12.6 | 3:00 | 0 | 95.8 |
| 4/09/2015 | 3.6 | -1.0 | 11.8 | 20:00 | 0 | 100.0 |
| 5/09/2015 | 6.1 | 2.0 | 11.6 | 20:00 | 0 | 100.0 |
| 6/09/2015 | 4.7 | -0.8 | 10.8 | 5:00 | 0 | 95.8 |
| 7/09/2015 | 3.7 | -0.8 | 7.7 | 9:00 | 0 | 100.0 |
| 8/09/2015 | 3.3 | 0.1 | 6.0 | 8:00 | 0 | 100.0 |
| 9/09/2015 | 4.0 | 0.1 | 17.0 | 14:00 | 0 | 100.0 |
| 10/09/2015 | 6.0 | 1.0 | 13.7 | 5:00 | 0 | 100.0 |
| 11/09/2015 | 4.1 | 0.2 | 7.9 | 8:00 | 0 | 100.0 |
| 12/09/2015 | 2.1 | -1.0 | 6.1 | 23:00 | 0 | 87.5 |
| 13/09/2015 | 3.8 | 0.0 | 7.9 | 1:00 | 0 | 83.3 |
| 14/09/2015 | 3.5 | 0.1 | 6.9 | 7:00 | 0 | 100.0 |
| 15/09/2015 | 3.2 | -0.8 | 8.8 | 6:00 | 0 | 95.8 |
| 16/09/2015 | 3.3 | -0.9 | 8.0 | 12:00 | 0 | 87.5 |
| 17/09/2015 | 9.8 | 1.1 | 14.0 | 12:00 | 0 | 95.8 |
| 18/09/2015 | 3.7 | -0.8 | 12.0 | 0:00 | 0 | 100.0 |
| 19/09/2015 | 3.3 | 0.1 | 7.8 | 23:00 | 0 | 100.0 |
| 20/09/2015 | 2.0 | 0.0 | 4.7 | 0:00 | 0 | 87.5 |
| 21/09/2015 | 2.5 | -0.5 | 5.9 | 21:00 | 0 | 91.7 |
| 22/09/2015 | 3.0 | 0.3 | 7.8 | 19:00 | 0 | 95.8 |
| 23/09/2015 | 4.9 | 1.0 | 8.0 | 7:00 | 0 | 100.0 |
| 24/09/2015 | 2.3 | 0.2 | 4.8 | 11:00 | 0 | 95.8 |
| 25/09/2015 | 1.7 | -0.8 | 5.8 | 0:00 | 0 | 79.2 |
| 26/09/2015 | 1.9 | 0.0 | 4.7 | 19:00 | 0 | 95.8 |
| 27/09/2015 | 3.6 | 0.0 | 9.8 | 18:00 | 0 | 100.0 |
| 28/09/2015 | 5.0 | 1.2 | 11.9 | 4:00 | 0 | 100.0 |
| 29/09/2015 | 3.9 | 0.0 | 11.5 | 8:00 | 0 | 95.8 |
| 30/09/2015 | 5.3 | 2.3 | 10.0 | 2:00 | 0 | 100.0 |

Results highlighted in red indicate the highest recorded value for the relevant averaging period for the month.

There will be no daily results if there is less than 75% valid data for that day

Table 12 Station 2 PM_{2.5} Monthly Summary

PM₁₀ Summary

| Station 2 KSHS Ambient AQMS Particulate PM10 Summary September 2015 | | | | | | |
|---|-----------------------------------|-----------------------------|-----------------------------|-------------|---|--------------|
| Date | 24 hr Avg (µg/m ³) | Min (µg/m ³) | 1 hr Avgs | | No. of exceedences 24hr Avg > 50.0 µg/m ³ | Capture Rate |
| | | | Max (µg/m ³) | Time of Max | | |
| 1/09/2015 | 8.2 | 3.0 | 17.7 | 20:00 | 0 | 100.0 |
| 2/09/2015 | 15.8 | 8.0 | 32.0 | 8:00 | 0 | 100.0 |
| 3/09/2015 | 21.6 | 9.2 | 53.0 | 14:00 | 0 | 100.0 |
| 4/09/2015 | 15.0 | 2.3 | 28.6 | 17:00 | 0 | 100.0 |
| 5/09/2015 | 18.4 | 12.8 | 24.1 | 8:00 | 0 | 100.0 |
| 6/09/2015 | 14.9 | 7.1 | 26.1 | 2:00 | 0 | 100.0 |
| 7/09/2015 | 13.5 | 7.3 | 22.7 | 9:00 | 0 | 100.0 |
| 8/09/2015 | 12.1 | 6.0 | 19.6 | 13:00 | 0 | 100.0 |
| 9/09/2015 | 13.4 | 7.1 | 33.5 | 14:00 | 0 | 100.0 |
| 10/09/2015 | 17.1 | 8.2 | 26.9 | 7:00 | 0 | 100.0 |
| 11/09/2015 | 14.0 | 5.0 | 24.0 | 9:00 | 0 | 100.0 |
| 12/09/2015 | 11.4 | 5.0 | 18.7 | 9:00 | 0 | 100.0 |
| 13/09/2015 | 12.4 | 6.2 | 21.4 | 0:00 | 0 | 100.0 |
| 14/09/2015 | 14.4 | 9.0 | 22.1 | 8:00 | 0 | 100.0 |
| 15/09/2015 | 14.1 | 7.2 | 28.0 | 9:00 | 0 | 100.0 |
| 16/09/2015 | 14.5 | 7.0 | 25.7 | 15:00 | 0 | 100.0 |
| 17/09/2015 | 17.8 | 11.1 | 26.9 | 8:00 | 0 | 100.0 |
| 18/09/2015 | 11.8 | 3.4 | 22.9 | 1:00 | 0 | 100.0 |
| 19/09/2015 | 12.8 | 6.1 | 18.7 | 19:00 | 0 | 100.0 |
| 20/09/2015 | 8.7 | 2.4 | 15.6 | 10:00 | 0 | 100.0 |
| 21/09/2015 | 14.1 | 6.3 | 22.5 | 9:00 | 0 | 100.0 |
| 22/09/2015 | 12.6 | 7.3 | 21.3 | 18:00 | 0 | 95.8 |
| 23/09/2015 | 15.6 | 6.1 | 24.5 | 13:00 | 0 | 100.0 |
| 24/09/2015 | 10.9 | 4.0 | 26.2 | 13:00 | 0 | 100.0 |
| 25/09/2015 | 8.8 | 4.0 | 15.9 | 0:00 | 0 | 100.0 |
| 26/09/2015 | 8.4 | 4.2 | 14.6 | 12:00 | 0 | 100.0 |
| 27/09/2015 | 10.1 | 6.0 | 16.5 | 22:00 | 0 | 100.0 |
| 28/09/2015 | 12.6 | 6.2 | 18.5 | 8:00 | 0 | 100.0 |
| 29/09/2015 | 13.6 | 5.0 | 84.1 | 16:00 | 0 | 100.0 |
| 30/09/2015 | 11.7 | 6.2 | 18.5 | 1:00 | 0 | 100.0 |

Results highlighted in red indicate the highest recorded value for the relevant averaging period for the month.

There will be no daily results if there is less than 75% valid data for that day

Table 13 Station 2 PM₁₀ Monthly Summary

Station 3 (Lewis Street)

Summary

| Station 3 Lewis St Ambient AQMS Summary September 2015 | | | | |
|--|--------------------------|-------------|---|--|
| | NO ₂ (ppm) | CO (ppm) | PM _{2.5} (µg/m ³) | PM ₁₀ (µg/m ³) |
| Monthly Average | 0.010 | 0.3 | 2.9 | 12.0 |
| Min 1hr Average | 0.000 | 0.1 | -1.0 | 1.5 |
| Max 1hr Average | 0.032 | 0.7 | 16.8 | 57.0 |
| Max 8hr Rolling Average | N/A | 0.6 | N/A | N/A |
| Max 24hr Average | N/A | N/A | 9.8 | 17.6 |
| Capture Rate (%) | 95.7 | 95.7 | 91.0 | 97.6 |

Table 14 Station 3 Monthly Summary

Maximum allowable CO 8 hour rolling average is 8ppm
 Maximum allowable NO₂ 1 hour average is 0.12 ppm
 Maximum allowable PM_{2.5} 24 hour average is 25 µg/m³
 Maximum allowable PM₁₀ 24 hour average is 50 µg/m³

Nitrogen Dioxide Summary

| Station 3 Lewis St Ambient AQMS Nitrogen Dioxide Summary September 2015 | | | | | | |
|---|----------------|-----------|-----------|-------------|--|--------------|
| Date | 24hr Avg (ppm) | Min (ppm) | 1 hr Avgs | | Number of Exceedences 1hr Avg > 0.120 ppm | Capture Rate |
| | | | Max (ppm) | Time of Max | | |
| 1/09/2015 | 0.011 | 0.003 | 0.032 | 19:00 | 0 | 95.8 |
| 2/09/2015 | 0.016 | 0.006 | 0.028 | 19:00 | 0 | 95.8 |
| 3/09/2015 | 0.006 | 0.003 | 0.014 | 8:00 | 0 | 95.8 |
| 4/09/2015 | 0.007 | 0.003 | 0.012 | 17:00 | 0 | 95.8 |
| 5/09/2015 | 0.012 | 0.005 | 0.023 | 21:00 | 0 | 95.8 |
| 6/09/2015 | 0.012 | 0.003 | 0.028 | 21:00 | 0 | 95.8 |
| 7/09/2015 | 0.007 | 0.004 | 0.020 | 7:00 | 0 | 95.8 |
| 8/09/2015 | 0.007 | 0.003 | 0.015 | 7:00 | 0 | 95.8 |
| 9/09/2015 | 0.011 | 0.003 | 0.024 | 20:00 | 0 | 95.8 |
| 10/09/2015 | 0.011 | 0.004 | 0.021 | 7:00 | 0 | 95.8 |
| 11/09/2015 | 0.010 | 0.004 | 0.021 | 5:00 | 0 | 95.8 |
| 12/09/2015 | 0.008 | 0.002 | 0.019 | 23:00 | 0 | 95.8 |
| 13/09/2015 | 0.012 | 0.004 | 0.023 | 5:00 | 0 | 95.8 |
| 14/09/2015 | 0.014 | 0.005 | 0.023 | 20:00 | 0 | 95.8 |
| 15/09/2015 | 0.010 | 0.004 | 0.019 | 7:00 | 0 | 95.8 |
| 16/09/2015 | 0.008 | 0.000 | 0.016 | 7:00 | 0 | 95.8 |
| 17/09/2015 | 0.015 | 0.006 | 0.024 | 17:00 | 0 | 95.8 |
| 18/09/2015 | 0.008 | 0.005 | 0.014 | 0:00 | 0 | 95.8 |
| 19/09/2015 | 0.006 | 0.002 | 0.013 | 6:00 | 0 | 95.8 |
| 20/09/2015 | 0.005 | 0.003 | 0.010 | 5:00 | 0 | 95.8 |
| 21/09/2015 | 0.011 | 0.004 | 0.022 | 20:00 | 0 | 95.8 |
| 22/09/2015 | 0.011 | 0.003 | 0.028 | 19:00 | 0 | 91.7 |
| 23/09/2015 | 0.009 | 0.005 | 0.015 | 23:00 | 0 | 95.8 |
| 24/09/2015 | 0.009 | 0.004 | 0.014 | 23:00 | 0 | 95.8 |
| 25/09/2015 | 0.010 | 0.004 | 0.019 | 16:00 | 0 | 95.8 |
| 26/09/2015 | 0.007 | 0.004 | 0.016 | 21:00 | 0 | 95.8 |
| 27/09/2015 | 0.010 | 0.004 | 0.017 | 18:00 | 0 | 95.8 |
| 28/09/2015 | 0.011 | 0.005 | 0.019 | 0:00 | 0 | 95.83 |
| 29/09/2015 | 0.010 | 0.004 | 0.022 | 16:00 | 0 | 95.83 |
| 30/09/2015 | 0.010 | 0.004 | 0.017 | 2:00 | 0 | 95.83 |

Results highlighted in red indicate the highest recorded value for the relevant averaging period for the month. There will be no daily results if there is less than 75% valid data for that day

Table 15 Station 3 Nitrogen Dioxide Monthly Summary

Carbon Monoxide Summary

| Station 3 Lewis St Ambient AQMS Carbon Monoxide Summary September 2015 | | | | | | | | |
|--|-----------------|-----------|-----------|-------------|-------------------|-------------|--------------------|--------------|
| Date | 24 hr Avg (ppm) | 1 hr Avgs | | | 8 hr Rolling Avgs | | No. of exceedences | Capture Rate |
| | | Min (ppm) | Max (ppm) | Time of Max | Max (ppm) | Time of Max | 8hr Avg > 8.0 ppm | |
| 1/09/2015 | 0.4 | 0.2 | 0.6 | 22:00 | 0.5 | 23:00 | 0 | 96.9 |
| 2/09/2015 | 0.5 | 0.3 | 0.7 | 7:00 | 0.5 | 1:00 | 0 | 96.9 |
| 3/09/2015 | 0.4 | 0.3 | 0.5 | 8:00 | 0.5 | 1:00 | 0 | 96.9 |
| 4/09/2015 | 0.3 | 0.2 | 0.4 | 17:00 | 0.4 | 22:00 | 0 | 96.9 |
| 5/09/2015 | 0.4 | 0.3 | 0.6 | 22:00 | 0.5 | 23:00 | 0 | 96.9 |
| 6/09/2015 | 0.4 | 0.3 | 0.5 | 0:00 | 0.5 | 2:00 | 0 | 96.9 |
| 7/09/2015 | 0.3 | 0.2 | 0.5 | 7:00 | 0.4 | 0:00 | 0 | 96.9 |
| 8/09/2015 | 0.3 | 0.1 | 0.4 | 8:00 | 0.4 | 9:00 | 0 | 96.9 |
| 9/09/2015 | 0.3 | 0.2 | 0.5 | 22:00 | 0.4 | 23:00 | 0 | 96.9 |
| 10/09/2015 | 0.4 | 0.3 | 0.5 | 00:00 | 0.5 | 03:00 | 0 | 96.9 |
| 11/09/2015 | 0.3 | 0.2 | 0.3 | 8:00 | 0.3 | 0:00 | 0 | 96.9 |
| 12/09/2015 | 0.3 | 0.2 | 0.5 | 23:00 | 0.4 | 23:00 | 0 | 96.9 |
| 13/09/2015 | 0.4 | 0.3 | 0.6 | 23:00 | 0.5 | 23:00 | 0 | 96.9 |
| 14/09/2015 | 0.4 | 0.3 | 0.7 | 23:00 | 0.5 | 2:00 | 0 | 96.9 |
| 15/09/2015 | 0.4 | 0.3 | 0.6 | 0:00 | 0.6 | 2:00 | 0 | 96.9 |
| 16/09/2015 | 0.4 | 0.3 | 0.4 | 6:00 | 0.4 | 1:00 | 0 | 96.9 |
| 17/09/2015 | 0.4 | 0.3 | 0.6 | 9:00 | 0.5 | 12:00 | 0 | 96.9 |
| 18/09/2015 | 0.2 | 0.2 | 0.4 | 0:00 | 0.4 | 0:00 | 0 | 96.9 |
| 19/09/2015 | 0.3 | 0.2 | 0.3 | 22:00 | 0.3 | 23:00 | 0 | 96.9 |
| 20/09/2015 | 0.3 | 0.3 | 0.4 | 21:00 | 0.3 | 23:00 | 0 | 96.9 |
| 21/09/2015 | 0.3 | 0.3 | 0.6 | 23:00 | 0.4 | 23:00 | 0 | 96.9 |
| 22/09/2015 | 0.3 | 0.2 | 0.5 | 0:00 | 0.5 | 2:00 | 0 | 94.8 |
| 23/09/2015 | 0.3 | 0.2 | 0.4 | 6:00 | 0.3 | 7:00 | 0 | 96.9 |
| 24/09/2015 | 0.3 | 0.2 | 0.4 | 18:00 | 0.3 | 23:00 | 0 | 96.9 |
| 25/09/2015 | 0.3 | 0.3 | 0.4 | 18:00 | 0.4 | 21:00 | 0 | 96.9 |
| 26/09/2015 | 0.3 | 0.3 | 0.4 | 21:00 | 0.4 | 22:00 | 0 | 96.9 |
| 27/09/2015 | 0.4 | 0.3 | 0.5 | 23:00 | 0.5 | 23:00 | 0 | 96.9 |
| 28/09/2015 | 0.4 | 0.3 | 0.4 | 6:00 | 0.5 | 1:00 | 0 | 96.9 |
| 29/09/2015 | 0.3 | 0.3 | 0.5 | 7:00 | 0.4 | 2:00 | 0 | 96.2 |
| 30/09/2015 | 0.4 | 0.3 | 0.4 | 7:00 | 0.4 | 23:00 | 0 | 96.9 |

Results highlighted in red indicate the highest recorded value for the relevant averaging period for the month.

There will be no daily results if there is less than 75% valid data for that day

Table 16 Station 3 Carbon Monoxide Monthly Summary

PM_{2.5} Summary

| Station 3 Lewis St Ambient AQMS Particulate PM2.5 Summary September 2015 | | | | | | |
|--|-----------------------------------|-----------------------------|-----------------------------|-------------|---|--------------|
| Date | 24 hr Avg (µg/m ³) | 1 hr Averages | | | No. of exceedences 24hr Avg > 25.0 µg/m ³ | Capture Rate |
| | | Min (µg/m ³) | Max (µg/m ³) | Time of Max | | |
| 1/09/2015 | 1.9 | -0.9 | 5.9 | 21:00 | 0 | 75.0 |
| 2/09/2015 | 4.6 | 0.2 | 11.6 | 22:00 | 0 | 100.0 |
| 3/09/2015 | 3.1 | -0.7 | 9.0 | 2:00 | 0 | 95.8 |
| 4/09/2015 | 2.4 | -1.0 | 8.6 | 17:00 | 0 | 87.5 |
| 5/09/2015 | 3.6 | 1.0 | 8.9 | 22:00 | 0 | 100.0 |
| 6/09/2015 | 3.4 | -1.0 | 8.9 | 7:00 | 0 | 95.8 |
| 7/09/2015 | 1.8 | -0.9 | 7.9 | 8:00 | 0 | 95.8 |
| 8/09/2015 | 0.7 | -0.8 | 3.0 | 12:00 | 0 | 83.3 |
| 9/09/2015 | 2.2 | 0.0 | 16.5 | 15:00 | 0 | 91.7 |
| 10/09/2015 | 2.6 | -1.0 | 6.9 | 9:00 | 0 | 83.3 |
| ¹ 11/09/2015 | - | -0.8 | 6.0 | 6:00 | 0 | 70.8 |
| 12/09/2015 | 0.4 | -1.0 | 3.7 | 8:00 | 0 | 78.3 |
| 13/09/2015 | 3.6 | -1.0 | 9.0 | 6:00 | 0 | 95.8 |
| 14/09/2015 | 3.3 | -1.0 | 6.0 | 21:00 | 0 | 91.7 |
| 15/09/2015 | 2.4 | -1.0 | 6.7 | 8:00 | 0 | 95.8 |
| 16/09/2015 | 3.7 | -0.5 | 8.0 | 21:00 | 0 | 100.0 |
| 17/09/2015 | 9.8 | 3.1 | 15.7 | 3:00 | 0 | 100.0 |
| 18/09/2015 | 3.7 | -0.8 | 16.8 | 1:00 | 0 | 91.7 |
| 19/09/2015 | 0.0 | -1.0 | 2.8 | 0:00 | 0 | 83.3 |
| 20/09/2015 | 0.7 | -1.0 | 3.0 | 19:00 | 0 | 79.2 |
| 21/09/2015 | 2.4 | -1.0 | 5.0 | 6:00 | 0 | 95.8 |
| 22/09/2015 | 1.9 | -0.7 | 7.3 | 21:00 | 0 | 87.5 |
| 23/09/2015 | 3.1 | -0.9 | 6.0 | 14:00 | 0 | 100.0 |
| 24/09/2015 | 0.6 | -1.0 | 3.9 | 22:00 | 0 | 95.8 |
| 25/09/2015 | 2.0 | -1.0 | 5.8 | 16:00 | 0 | 100.0 |
| ¹ 26/09/2015 | - | -1.0 | 3.0 | 18:00 | 0 | 58.3 |
| 27/09/2015 | 2.3 | -1.0 | 7.0 | 20:00 | 0 | 95.8 |
| 28/09/2015 | 5.5 | -0.7 | 11.0 | 6:00 | 0 | 100.0 |
| 29/09/2015 | 4.0 | 1.1 | 6.9 | 2:00 | 0 | 100.0 |
| 30/09/2015 | 5.3 | 2.0 | 8.0 | 15:00 | 0 | 100.0 |

Results highlighted in red indicate the highest recorded value for the relevant averaging period for the month.

There will be no daily results if there is less than 75% valid data for that day

¹ Loss of data due to intermittent instrument fault

Table 17 Station 3 PM_{2.5} Monthly Summary

PM₁₀ Summary

| Station 3 Lewis St Ambient AQMS Particulate PM10 Summary September 2015 | | | | | | |
|---|---|-------------------------------------|-------------------------------------|-------------|---|--------------|
| Date | 24 hr Avg ($\mu\text{g}/\text{m}^3$) | 1 hr Avgs | | | No. of exceedences | Capture Rate |
| | | Min ($\mu\text{g}/\text{m}^3$) | Max ($\mu\text{g}/\text{m}^3$) | Time of Max | 24hr Avg > 50.0 $\mu\text{g}/\text{m}^3$ | |
| 1/09/2015 | 9.6 | 2.2 | 22.7 | 20:00 | 0 | 95.8 |
| 2/09/2015 | 16.1 | 6.7 | 31.5 | 20:00 | 0 | 100.0 |
| 3/09/2015 | 17.6 | 9.1 | 38.3 | 13:00 | 0 | 95.8 |
| 4/09/2015 | 15.4 | 5.9 | 35.1 | 15:00 | 0 | 100.0 |
| 5/09/2015 | 15.1 | 9.0 | 18.6 | 21:00 | 0 | 100.0 |
| 6/09/2015 | 13.5 | 6.3 | 25.9 | 6:00 | 0 | 100.0 |
| 7/09/2015 | 10.8 | 4.5 | 29.5 | 7:00 | 0 | 100.0 |
| 8/09/2015 | 10.6 | 4.4 | 28.7 | 15:00 | 0 | 91.7 |
| 9/09/2015 | 13.4 | 5.2 | 32.4 | 14:00 | 0 | 100.0 |
| 10/09/2015 | 15.6 | 6.9 | 28.1 | 14:00 | 0 | 100.0 |
| 11/09/2015 | 12.7 | 5.6 | 21.5 | 10:00 | 0 | 95.8 |
| 12/09/2015 | 9.2 | 1.9 | 16.0 | 16:00 | 0 | 95.8 |
| 13/09/2015 | 10.4 | 6.2 | 19.3 | 6:00 | 0 | 100.0 |
| 14/09/2015 | 11.8 | 5.1 | 18.8 | 6:00 | 0 | 95.8 |
| 15/09/2015 | 11.8 | 5.1 | 22.4 | 6:00 | 0 | 100.0 |
| 16/09/2015 | 13.3 | 3.2 | 26.1 | 18:00 | 0 | 100.0 |
| 17/09/2015 | 13.1 | 5.3 | 24.6 | 16:00 | 0 | 100.0 |
| 18/09/2015 | 9.2 | 1.7 | 19.6 | 0:00 | 0 | 91.7 |
| 19/09/2015 | 10.9 | 4.8 | 17.6 | 18:00 | 0 | 100.0 |
| 20/09/2015 | 9.1 | 4.8 | 13.9 | 16:00 | 0 | 100.0 |
| 21/09/2015 | 11.8 | 1.8 | 21.2 | 17:00 | 0 | 100.0 |
| 22/09/2015 | 15.7 | 3.2 | 57.0 | 17:00 | 0 | 79.2 |
| 23/09/2015 | 14.0 | 4.7 | 25.9 | 15:00 | 0 | 100.0 |
| 24/09/2015 | 10.5 | 1.5 | 24.8 | 15:00 | 0 | 95.8 |
| 25/09/2015 | 10.3 | 3.6 | 26.0 | 15:00 | 0 | 100.0 |
| 26/09/2015 | 7.5 | 3.1 | 17.4 | 16:00 | 0 | 100.0 |
| 27/09/2015 | 9.9 | 4.5 | 22.0 | 14:00 | 0 | 95.8 |
| 28/09/2015 | 10.8 | 5.5 | 29.1 | 6:00 | 0 | 100.0 |
| 29/09/2015 | 9.8 | 3.6 | 33.5 | 6:00 | 0 | 95.8 |
| 30/09/2015 | 11.6 | 2.7 | 26.7 | 6:00 | 0 | 95.8 |

Results highlighted in red indicate the highest recorded value for the relevant averaging period for the month.

There will be no daily results if there is less than 75% valid data for that day

Table 18 Station 3 PM₁₀ Monthly Summary

Station 4 (Airportlink Operation Centre)

Summary

| Station 4 Airportlink Operation Centre Ambient AQMS Summary September 2015 | | | | |
|--|--------------------------|-------------|---|--|
| | NO ₂ (ppm) | CO (ppm) | PM _{2.5} (µg/m ³) | PM ₁₀ (µg/m ³) |
| Monthly Average | 0.011 | 0.3 | 2.8 | 11.7 |
| Min 1hr Average | 0.002 | 0.2 | -1.0 | 1.8 |
| Max 1hr Average | 0.035 | 0.6 | 19.8 | 144.2 |
| Max 8hr Rolling Average | N/A | 0.5 | N/A | N/A |
| Max 24hr Average | N/A | N/A | 8.0 | 17.8 |
| Capture Rate (%) | 95.6 | 95.6 | 83.9 | 98.9 |

Table 19 Station 4 Monthly Summary

Maximum allowable CO 8 hour rolling average is 8ppm
 Maximum allowable NO₂ 1 hour average is 0.12 ppm
 Maximum allowable PM_{2.5} 24 hour average is 25 µg/m³
 Maximum allowable PM₁₀ 24 hour average is 50 µg/m³

Nitrogen Dioxide Summary

| Station 4 Airportlink Operation Centre Ambient AQMS Nitrogen Dioxide Summary September 2015 | | | | | | |
|--|----------------|-----------|-----------|-------------|--|--------------|
| Date | 24hr Avg (ppm) | Min (ppm) | 1 hr Avgs | | Number of Exceedences 1hr Avg > 0.120 ppm | Capture Rate |
| | | | Max (ppm) | Time of Max | | |
| 1/09/2015 | 0.012 | 0.003 | 0.032 | 20:00 | 0 | 95.8 |
| 2/09/2015 | 0.019 | 0.008 | 0.035 | 20:00 | 0 | 95.8 |
| 3/09/2015 | 0.008 | 0.003 | 0.022 | 8:00 | 0 | 95.8 |
| 4/09/2015 | 0.009 | 0.002 | 0.029 | 17:00 | 0 | 95.8 |
| 5/09/2015 | 0.012 | 0.005 | 0.027 | 20:00 | 0 | 95.8 |
| 6/09/2015 | 0.011 | 0.004 | 0.028 | 21:00 | 0 | 95.8 |
| 7/09/2015 | 0.010 | 0.006 | 0.020 | 8:00 | 0 | 95.8 |
| 8/09/2015 | 0.008 | 0.003 | 0.019 | 6:00 | 0 | 95.8 |
| 9/09/2015 | 0.013 | 0.003 | 0.029 | 21:00 | 0 | 95.8 |
| 10/09/2015 | 0.013 | 0.005 | 0.021 | 0:00 | 0 | 95.8 |
| 11/09/2015 | 0.013 | 0.004 | 0.023 | 17:00 | 0 | 95.8 |
| 12/09/2015 | 0.013 | 0.002 | 0.025 | 21:00 | 0 | 95.8 |
| 13/09/2015 | 0.014 | 0.007 | 0.028 | 20:00 | 0 | 95.8 |
| 14/09/2015 | 0.015 | 0.007 | 0.028 | 20:00 | 0 | 95.8 |
| 15/09/2015 | 0.011 | 0.005 | 0.017 | 22:00 | 0 | 95.8 |
| 16/09/2015 | 0.010 | 0.005 | 0.017 | 6:00 | 0 | 95.8 |
| 17/09/2015 | 0.016 | 0.004 | 0.027 | 8:00 | 0 | 95.8 |
| 18/09/2015 | 0.009 | 0.003 | 0.018 | 16:00 | 0 | 95.8 |
| 19/09/2015 | 0.009 | 0.004 | 0.018 | 17:00 | 0 | 95.8 |
| 20/09/2015 | 0.007 | 0.002 | 0.011 | 13:00 | 0 | 95.8 |
| 21/09/2015 | 0.012 | 0.005 | 0.025 | 20:00 | 0 | 95.8 |
| 22/09/2015 | 0.008 | 0.003 | 0.018 | 18:00 | 0 | 87.5 |
| 23/09/2015 | 0.011 | 0.005 | 0.024 | 16:00 | 0 | 95.8 |
| 24/09/2015 | 0.010 | 0.003 | 0.023 | 18:00 | 0 | 95.8 |
| 25/09/2015 | 0.011 | 0.004 | 0.023 | 16:00 | 0 | 95.8 |
| 26/09/2015 | 0.009 | 0.003 | 0.016 | 20:00 | 0 | 95.8 |
| 27/09/2015 | 0.009 | 0.004 | 0.018 | 17:00 | 0 | 95.8 |
| 28/09/2015 | 0.012 | 0.006 | 0.020 | 22:00 | 0 | 95.8 |
| 29/09/2015 | 0.010 | 0.004 | 0.024 | 17:00 | 0 | 95.8 |
| 30/09/2015 | 0.011 | 0.006 | 0.017 | 8:00 | 0 | 95.8 |

Results highlighted in red indicate the highest recorded value for the relevant averaging period for the month.
There will be no daily results if there is less than 75% valid data for that day

Table 20 Station 4 Nitrogen Dioxide Monthly Summary

Carbon Monoxide Summary

Station 4 Airportlink Operation Centre Ambient AQMS Carbon Monoxide Summary September 2015

| Date | 24 hr Avg (ppm) | 1 hr Avgs | | | 8 hr Rolling Avgs | | No. of exceedences | Capture Rate |
|------------|-----------------|-----------|-----------|-------------|-------------------|-------------|--------------------|--------------|
| | | Min (ppm) | Max (ppm) | Time of Max | Max (ppm) | Time of Max | 8hr Avg > 8.0 ppm | |
| 1/09/2015 | 0.3 | 0.2 | 0.5 | 22:00 | 0.4 | 23:00 | 0 | 96.9 |
| 2/09/2015 | 0.4 | 0.2 | 0.6 | 6:00 | 0.4 | 11:00 | 0 | 96.9 |
| 3/09/2015 | 0.3 | 0.2 | 0.4 | 8:00 | 0.4 | 1:00 | 0 | 96.9 |
| 4/09/2015 | 0.3 | 0.2 | 0.5 | 17:00 | 0.4 | 20:00 | 0 | 96.9 |
| 5/09/2015 | 0.3 | 0.2 | 0.5 | 21:00 | 0.4 | 23:00 | 0 | 96.9 |
| 6/09/2015 | 0.3 | 0.3 | 0.4 | 0:00 | 0.4 | 2:00 | 0 | 96.9 |
| 7/09/2015 | 0.3 | 0.3 | 0.5 | 8:00 | 0.4 | 8:00 | 0 | 96.9 |
| 8/09/2015 | 0.3 | 0.2 | 0.4 | 6:00 | 0.4 | 8:00 | 0 | 96.5 |
| 9/09/2015 | 0.3 | 0.2 | 0.5 | 21:00 | 0.4 | 23:00 | 0 | 96.9 |
| 10/09/2015 | 0.3 | 0.3 | 0.4 | 17:00 | 0.4 | 0:00 | 0 | 96.9 |
| 11/09/2015 | 0.3 | 0.3 | 0.5 | 17:00 | 0.4 | 19:00 | 0 | 96.5 |
| 12/09/2015 | 0.3 | 0.2 | 0.6 | 22:00 | 0.4 | 23:00 | 0 | 96.9 |
| 13/09/2015 | 0.4 | 0.3 | 0.6 | 21:00 | 0.5 | 1:00 | 0 | 96.9 |
| 14/09/2015 | 0.4 | 0.3 | 0.6 | 22:00 | 0.5 | 1:00 | 0 | 96.5 |
| 15/09/2015 | 0.3 | 0.2 | 0.4 | 7:00 | 0.5 | 1:00 | 0 | 96.5 |
| 16/09/2015 | 0.3 | 0.3 | 0.5 | 6:00 | 0.4 | 12:00 | 0 | 96.5 |
| 17/09/2015 | 0.4 | 0.3 | 0.6 | 8:00 | 0.5 | 13:00 | 0 | 96.5 |
| 18/09/2015 | 0.3 | 0.3 | 0.4 | 0:00 | 0.4 | 0:00 | 0 | 96.5 |
| 19/09/2015 | 0.2 | 0.2 | 0.3 | 12:00 | 0.3 | 0:00 | 0 | 96.5 |
| 20/09/2015 | 0.3 | 0.2 | 0.4 | 13:00 | 0.3 | 18:00 | 0 | 96.5 |
| 21/09/2015 | 0.3 | 0.2 | 0.5 | 20:00 | 0.4 | 23:00 | 0 | 96.5 |
| 22/09/2015 | 0.3 | 0.2 | 0.4 | 17:00 | 0.4 | 1:00 | 0 | 89.2 |
| 23/09/2015 | 0.3 | 0.2 | 0.5 | 16:00 | 0.3 | 21:00 | 0 | 96.5 |
| 24/09/2015 | 0.2 | 0.2 | 0.5 | 18:00 | 0.3 | 21:00 | 0 | 96.5 |
| 25/09/2015 | 0.3 | 0.2 | 0.4 | 17:00 | 0.4 | 19:00 | 0 | 96.9 |
| 26/09/2015 | 0.3 | 0.2 | 0.4 | 11:00 | 0.4 | 17:00 | 0 | 96.5 |
| 27/09/2015 | 0.3 | 0.2 | 0.4 | 22:00 | 0.4 | 23:00 | 0 | 96.9 |
| 28/09/2015 | 0.3 | 0.3 | 0.4 | 20:00 | 0.4 | 0:00 | 0 | 96.9 |
| 29/09/2015 | 0.3 | 0.2 | 0.4 | 0:00 | 0.4 | 2:00 | 0 | 96.2 |
| 30/09/2015 | 0.3 | 0.2 | 0.4 | 6:00 | 0.3 | 9:00 | 0 | 96.9 |

Results highlighted in red indicate the highest recorded value for the relevant averaging period for the month.

There will be no daily results if there is less than 75% valid data for that day

Table 21 Station 4 Carbon Monoxide Monthly Summary

PM_{2.5} Summary

| Station 4 Airportlink Operation Centre Ambient AQMS Particulate PM2.5 Summary September 2015 | | | | | | |
|---|-----------------------------------|-----------------------------|-----------------------------|-------------|---|--------------|
| Date | 24 hr Avg (µg/m ³) | 1 hr Avgs | | | No. of exceedences 24hr Avg > 25.0 µg/m ³ | Capture Rate |
| | | Min (µg/m ³) | Max (µg/m ³) | Time of Max | | |
| ¹ 1/09/2015 | - | -0.6 | 3.2 | 23:00 | 0 | 54.2 |
| 2/09/2015 | 4.3 | -0.7 | 15.0 | 9:00 | 0 | 83.3 |
| ¹ 3/09/2015 | - | -1.0 | 4.8 | 2:00 | 0 | 66.7 |
| ¹ 4/09/2015 | - | 0.0 | 6.8 | 18:00 | 0 | 60.9 |
| 5/09/2015 | 3.4 | 0.0 | 8.0 | 23:00 | 0 | 95.8 |
| ¹ 6/09/2015 | - | -1.0 | 8.8 | 3:00 | 0 | 70.8 |
| 7/09/2015 | 2.6 | -1.0 | 9.5 | 9:00 | 0 | 83.3 |
| 8/09/2015 | 1.3 | -1.0 | 5.0 | 13:00 | 0 | 87.0 |
| 9/09/2015 | 4.3 | 0.0 | 19.8 | 14:00 | 0 | 83.3 |
| 10/09/2015 | 4.3 | 0.4 | 14.3 | 13:00 | 0 | 100.0 |
| 11/09/2015 | 2.7 | -0.9 | 5.8 | 10:00 | 0 | 100.0 |
| ¹ 12/09/2015 | - | 0.0 | 9.5 | 15:00 | 0 | 70.8 |
| 13/09/2015 | 4.6 | 0.2 | 8.7 | 4:00 | 0 | 100.0 |
| 14/09/2015 | 3.6 | 0.0 | 6.6 | 23:00 | 0 | 87.5 |
| 15/09/2015 | 2.9 | -0.6 | 14.7 | 9:00 | 0 | 83.3 |
| 16/09/2015 | 1.5 | -1.0 | 5.8 | 8:00 | 0 | 75.0 |
| 17/09/2015 | 8.0 | -0.6 | 14.8 | 9:00 | 0 | 100.0 |
| ¹ 18/09/2015 | - | -1.0 | 10.8 | 0:00 | 0 | 70.8 |
| 19/09/2015 | 0.9 | -1.0 | 6.8 | 0:00 | 0 | 87.5 |
| 20/09/2015 | 1.1 | -1.0 | 5.9 | 0:00 | 0 | 91.7 |
| 21/09/2015 | 1.5 | -1.0 | 5.0 | 2:00 | 0 | 95.8 |
| ¹ 22/09/2015 | - | -1.0 | 3.6 | 19:00 | 0 | 54.2 |
| 23/09/2015 | 2.5 | 0.0 | 7.7 | 4:00 | 0 | 95.8 |
| 24/09/2015 | 0.7 | -1.0 | 4.9 | 11:00 | 0 | 95.8 |
| 25/09/2015 | 2.8 | -1.0 | 5.9 | 10:00 | 0 | 79.2 |
| 26/09/2015 | 1.7 | -1.0 | 5.8 | 9:00 | 0 | 95.8 |
| 27/09/2015 | 1.7 | -1.0 | 4.5 | 13:00 | 0 | 95.8 |
| 28/09/2015 | 3.3 | -0.8 | 7.0 | 8:00 | 0 | 91.7 |
| 29/09/2015 | 2.5 | -0.8 | 5.6 | 8:00 | 0 | 79.2 |
| 30/09/2015 | 3.4 | -1.0 | 9.9 | 8:00 | 0 | 87.5 |

Results highlighted in red indicate the highest recorded value for the relevant averaging period for the month.

There will be no daily results if there is less than 75% valid data for that day

¹ Loss of data due to intermittent instrument fault

Table 22 Station 4 PM_{2.5} Monthly Summary

PM₁₀ Summary

| Station 4 Airportlink Operation Centre Ambient AQMS Particulate PM10 Summary September 2015 | | | | | | |
|--|-----------------------------------|-----------------------------|-----------------------------|-------------|---|--------------|
| Date | 24 hr Avg (µg/m ³) | 1 hr Avgs | | | No. of exceedences 24hr Avg > 50.0 µg/m ³ | Capture Rate |
| | | Min (µg/m ³) | Max (µg/m ³) | Time of Max | | |
| 1/09/2015 | 9.2 | 2.4 | 19.2 | 22:00 | 0 | 100.0 |
| 2/09/2015 | 14.4 | 8.2 | 28.4 | 20:00 | 0 | 100.0 |
| 3/09/2015 | 17.8 | 9.4 | 39.3 | 13:00 | 0 | 100.0 |
| 4/09/2015 | 14.4 | 4.9 | 28.1 | 17:00 | 0 | 100.0 |
| 5/09/2015 | 14.9 | 8.2 | 19.7 | 19:00 | 0 | 100.0 |
| 6/09/2015 | 13.2 | 6.0 | 19.9 | 13:00 | 0 | 95.8 |
| 7/09/2015 | 11.1 | 5.7 | 24.1 | 12:00 | 0 | 100.0 |
| 8/09/2015 | 9.3 | 5.0 | 12.0 | 15:00 | 0 | 95.8 |
| 9/09/2015 | 13.9 | 4.1 | 32.7 | 15:00 | 0 | 100.0 |
| 10/09/2015 | 14.1 | 8.2 | 25.6 | 14:00 | 0 | 100.0 |
| 11/09/2015 | 11.7 | 7.1 | 17.6 | 10:00 | 0 | 100.0 |
| 12/09/2015 | 10.0 | 1.8 | 14.8 | 18:00 | 0 | 95.8 |
| 13/09/2015 | 10.2 | 5.8 | 15.3 | 20:00 | 0 | 100.0 |
| 14/09/2015 | 11.6 | 6.1 | 16.3 | 11:00 | 0 | 100.0 |
| 15/09/2015 | 11.4 | 8.0 | 17.6 | 8:00 | 0 | 100.0 |
| 16/09/2015 | 12.7 | 5.0 | 30.9 | 18:00 | 0 | 100.0 |
| 17/09/2015 | 14.1 | 7.0 | 22.4 | 16:00 | 0 | 100.0 |
| 18/09/2015 | 9.6 | 3.4 | 18.2 | 13:00 | 0 | 87.5 |
| 19/09/2015 | 10.4 | 2.7 | 16.6 | 17:00 | 0 | 100.0 |
| 20/09/2015 | 14.9 | 4.8 | 144.2 | 19:00 | 0 | 95.8 |
| 21/09/2015 | 11.7 | 3.0 | 20.1 | 17:00 | 0 | 100.0 |
| 22/09/2015 | 9.5 | 2.5 | 16.5 | 18:00 | 0 | 91.7 |
| 23/09/2015 | 13.9 | 6.5 | 19.4 | 14:00 | 0 | 100.0 |
| 24/09/2015 | 10.1 | 4.4 | 18.4 | 15:00 | 0 | 100.0 |
| 25/09/2015 | 9.4 | 6.9 | 17.6 | 15:00 | 0 | 100.0 |
| 26/09/2015 | 7.6 | 3.7 | 11.3 | 12:00 | 0 | 100.0 |
| 27/09/2015 | 9.2 | 5.1 | 15.9 | 17:00 | 0 | 100.0 |
| 28/09/2015 | 10.5 | 7.8 | 13.9 | 19:00 | 0 | 100.0 |
| 29/09/2015 | 9.5 | 6.1 | 13.4 | 14:00 | 0 | 100.0 |
| 30/09/2015 | 11.1 | 8.1 | 16.1 | 17:00 | 0 | 100.0 |

Results highlighted in red indicate the highest recorded value for the relevant averaging period for the month.

There will be no daily results if there is less than 75% valid data for that day

Table 23 Station 4 PM₁₀ Monthly Summary

Station 5 (Bryden Street)

Summary

| Station 5 Bryden St Ambient AQMS Summary September 2015 | | | | |
|---|--------------------------|-------------|---|--|
| | NO ₂ (ppm) | CO (ppm) | PM _{2.5} (µg/m ³) | PM ₁₀ (µg/m ³) |
| Monthly Average | 0.010 | 0.2 | 11.8 | 17.5 |
| Min 1hr Average | 0.001 | 0.0 | 0.5 | 1.0 |
| Max 1hr Average | 0.035 | 0.7 | 27.3 | 93.3 |
| Max 8hr Rolling Average | N/A | 0.5 | N/A | N/A |
| Max 24hr Average | N/A | N/A | 17.7 | 23.6 |
| Capture Rate (%) | 95.7 | 95.7 | 99.0 | 99.9 |

Table 24 Station 5 Monthly Summary

Maximum allowable CO 8 hour rolling average is 8ppm
 Maximum allowable NO₂ 1 hour average is 0.12 ppm
 Maximum allowable PM_{2.5} 24 hour average is 25 µg/m³
 Maximum allowable PM₁₀ 24 hour average is 50 µg/m³

Nitrogen Dioxide Summary

| Station 5 Bryden St Ambient AQMS Nitrogen Dioxide Summary September 2015 | | | | | | |
|--|----------------|-----------|-----------|-------------|---|--------------|
| Date | 24hr Avg (ppm) | Min (ppm) | 1 hr Avgs | | Number of Exceedences 1hr Avg > 0.120 ppm | Capture Rate |
| | | | Max (ppm) | Time of Max | | |
| 1/09/2015 | 0.012 | 0.002 | 0.034 | 20:00 | 0 | 95.8 |
| 2/09/2015 | 0.019 | 0.008 | 0.035 | 20:00 | 0 | 95.8 |
| 3/09/2015 | 0.007 | 0.001 | 0.020 | 8:00 | 0 | 95.8 |
| 4/09/2015 | 0.007 | 0.001 | 0.016 | 6:00 | 0 | 95.8 |
| 5/09/2015 | 0.013 | 0.002 | 0.026 | 4:00 | 0 | 95.8 |
| 6/09/2015 | 0.010 | 0.002 | 0.022 | 0:00 | 0 | 95.8 |
| 7/09/2015 | 0.009 | 0.003 | 0.023 | 7:00 | 0 | 95.8 |
| 8/09/2015 | 0.009 | 0.002 | 0.017 | 6:00 | 0 | 95.8 |
| 9/09/2015 | 0.010 | 0.001 | 0.029 | 21:00 | 0 | 95.8 |
| 10/09/2015 | 0.011 | 0.004 | 0.025 | 6:00 | 0 | 95.8 |
| 11/09/2015 | 0.011 | 0.004 | 0.024 | 6:00 | 0 | 95.8 |
| 12/09/2015 | 0.010 | 0.002 | 0.025 | 21:00 | 0 | 95.8 |
| 13/09/2015 | 0.011 | 0.002 | 0.028 | 21:00 | 0 | 95.8 |
| 14/09/2015 | 0.013 | 0.003 | 0.029 | 20:00 | 0 | 95.8 |
| 15/09/2015 | 0.011 | 0.004 | 0.022 | 8:00 | 0 | 95.8 |
| 16/09/2015 | 0.009 | 0.005 | 0.018 | 7:00 | 0 | 95.8 |
| 17/09/2015 | 0.016 | 0.006 | 0.027 | 16:00 | 0 | 95.8 |
| 18/09/2015 | 0.011 | 0.004 | 0.018 | 6:00 | 0 | 95.8 |
| 19/09/2015 | 0.007 | 0.003 | 0.016 | 6:00 | 0 | 95.8 |
| 20/09/2015 | 0.006 | 0.002 | 0.015 | 4:00 | 0 | 95.8 |
| 21/09/2015 | 0.010 | 0.003 | 0.025 | 21:00 | 0 | 95.8 |
| 22/09/2015 | 0.012 | 0.004 | 0.021 | 18:00 | 0 | 91.7 |
| 23/09/2015 | 0.009 | 0.005 | 0.021 | 6:00 | 0 | 95.8 |
| 24/09/2015 | 0.009 | 0.005 | 0.020 | 6:00 | 0 | 95.8 |
| 25/09/2015 | 0.011 | 0.006 | 0.024 | 6:00 | 0 | 95.8 |
| 26/09/2015 | 0.007 | 0.002 | 0.014 | 6:00 | 0 | 95.8 |
| 27/09/2015 | 0.010 | 0.003 | 0.019 | 22:00 | 0 | 95.8 |
| 28/09/2015 | 0.012 | 0.004 | 0.021 | 23:00 | 0 | 95.8 |
| 29/09/2015 | 0.011 | 0.003 | 0.025 | 15:00 | 0 | 95.8 |
| 30/09/2015 | 0.011 | 0.004 | 0.024 | 23:00 | 0 | 95.8 |

Results highlighted in red indicate the highest recorded value for the relevant averaging period for the month.
There will be no daily results if there is less than 75% valid data for that day

Table 25 Station 5 Nitrogen Dioxide Monthly Summary

Carbon Monoxide Summary

| Station 5 Bryden St Ambient AQMS Carbon Monoxide Summary September 2015 | | | | | | | | |
|---|-----------------|-----------|-----------|-------------|-------------------|-------------|--------------------|--------------|
| Date | 24 hr Avg (ppm) | 1 hr Avgs | | | 8 hr Rolling Avgs | | No. of exceedences | Capture Rate |
| | | Min (ppm) | Max (ppm) | Time of Max | Max (ppm) | Time of Max | 8hr Avg > 8.0 ppm | |
| 1/09/2015 | 0.2 | 0.1 | 0.6 | 20:00 | 0.4 | 23:00 | 0 | 96.2 |
| 2/09/2015 | 0.3 | 0.2 | 0.7 | 7:00 | 0.4 | 23:00 | 0 | 96.5 |
| 3/09/2015 | 0.3 | 0.1 | 0.5 | 8:00 | 0.4 | 1:00 | 0 | 96.9 |
| 4/09/2015 | 0.2 | 0.2 | 0.3 | 17:00 | 0.3 | 23:00 | 0 | 96.9 |
| 5/09/2015 | 0.3 | 0.2 | 0.5 | 22:00 | 0.4 | 23:00 | 0 | 96.9 |
| 6/09/2015 | 0.3 | 0.2 | 0.5 | 0:00 | 0.4 | 3:00 | 0 | 96.9 |
| 7/09/2015 | 0.3 | 0.2 | 0.6 | 7:00 | 0.4 | 8:00 | 0 | 96.9 |
| 8/09/2015 | 0.2 | 0.0 | 0.4 | 6:00 | 0.3 | 6:00 | 0 | 96.9 |
| 9/09/2015 | 0.2 | 0.1 | 0.5 | 21:00 | 0.3 | 23:00 | 0 | 96.9 |
| 10/09/2015 | 0.2 | 0.1 | 0.4 | 6:00 | 0.3 | 3:00 | 0 | 96.9 |
| 11/09/2015 | 0.3 | 0.2 | 0.3 | 8:00 | 0.3 | 8:00 | 0 | 96.9 |
| 12/09/2015 | 0.2 | 0.1 | 0.5 | 21:00 | 0.3 | 23:00 | 0 | 96.9 |
| 13/09/2015 | 0.2 | 0.1 | 0.5 | 21:00 | 0.3 | 3:00 | 0 | 96.9 |
| 14/09/2015 | 0.2 | 0.1 | 0.6 | 21:00 | 0.3 | 23:00 | 0 | 96.9 |
| 15/09/2015 | 0.2 | 0.1 | 0.4 | 6:00 | 0.4 | 2:00 | 0 | 96.9 |
| 16/09/2015 | 0.3 | 0.1 | 0.4 | 7:00 | 0.3 | 23:00 | 0 | 96.5 |
| 17/09/2015 | 0.4 | 0.3 | 0.6 | 8:00 | 0.5 | 12:00 | 0 | 96.9 |
| 18/09/2015 | 0.2 | 0.1 | 0.3 | 0:00 | 0.4 | 0:00 | 0 | 96.9 |
| 19/09/2015 | 0.2 | 0.1 | 0.2 | 6:00 | 0.2 | 8:00 | 0 | 96.9 |
| 20/09/2015 | 0.2 | 0.2 | 0.3 | 21:00 | 0.2 | 23:00 | 0 | 96.9 |
| 21/09/2015 | 0.2 | 0.1 | 0.5 | 21:00 | 0.3 | 23:00 | 0 | 96.9 |
| 22/09/2015 | 0.2 | 0.1 | 0.5 | 6:00 | 0.4 | 3:00 | 0 | 94.4 |
| 23/09/2015 | 0.2 | 0.2 | 0.3 | 6:00 | 0.2 | 8:00 | 0 | 96.9 |
| 24/09/2015 | 0.2 | 0.1 | 0.3 | 19:00 | 0.2 | 23:00 | 0 | 96.2 |
| 25/09/2015 | 0.2 | 0.2 | 0.3 | 6:00 | 0.3 | 6:00 | 0 | 96.9 |
| 26/09/2015 | 0.2 | 0.2 | 0.3 | 21:00 | 0.3 | 23:00 | 0 | 96.9 |
| 27/09/2015 | 0.3 | 0.2 | 0.4 | 22:00 | 0.3 | 23:00 | 0 | 96.9 |
| 28/09/2015 | 0.3 | 0.2 | 0.4 | 23:00 | 0.3 | 1:00 | 0 | 96.2 |
| 29/09/2015 | 0.3 | 0.1 | 0.4 | 7:00 | 0.3 | 1:00 | 0 | 95.1 |
| 30/09/2015 | 0.3 | 0.1 | 0.4 | 23:00 | 0.3 | 23:00 | 0 | 96.2 |

Results highlighted in red indicate the highest recorded value for the relevant averaging period for the month.

There will be no daily results if there is less than 75% valid data for that day

Table 26 Station 5 Carbon Monoxide Monthly Summary

PM_{2.5} Summary

| Station 5 Bryden St Ambient AQMS Particulate PM2.5 Summary September 2015 | | | | | | |
|---|---|-------------------------------------|-------------------------------------|-------------|--|--------------|
| Date | 24 hr Avg ($\mu\text{g}/\text{m}^3$) | 1 hr Avgs | | | No. of exceedences 24hr Avg > 25.0 $\mu\text{g}/\text{m}^3$ | Capture Rate |
| | | Min ($\mu\text{g}/\text{m}^3$) | Max ($\mu\text{g}/\text{m}^3$) | Time of Max | | |
| 1/09/2015 | 9.8 | 5.2 | 24.8 | 17:00 | 0 | 100.0 |
| 2/09/2015 | 13.9 | 7.0 | 23.9 | 9:00 | 0 | 95.8 |
| 3/09/2015 | 12.4 | 7.0 | 23.6 | 17:00 | 0 | 95.8 |
| 4/09/2015 | 10.9 | 6.1 | 23.8 | 17:00 | 0 | 100.0 |
| 5/09/2015 | 13.7 | 7.7 | 20.5 | 22:00 | 0 | 95.8 |
| 6/09/2015 | 15.7 | 9.7 | 26.0 | 15:00 | 0 | 91.7 |
| 7/09/2015 | 11.9 | 5.0 | 26.5 | 14:00 | 0 | 100.0 |
| 8/09/2015 | 12.9 | 5.5 | 24.8 | 17:00 | 0 | 100.0 |
| 9/09/2015 | 10.3 | 6.1 | 21.3 | 15:00 | 0 | 100.0 |
| 10/09/2015 | 11.9 | 0.7 | 20.0 | 7:00 | 0 | 100.0 |
| 11/09/2015 | 12.1 | 8.0 | 22.5 | 6:00 | 0 | 100.0 |
| 12/09/2015 | 11.0 | 5.6 | 21.8 | 17:00 | 0 | 100.0 |
| 13/09/2015 | 12.7 | 7.0 | 24.8 | 18:00 | 0 | 100.0 |
| 14/09/2015 | 11.0 | 3.5 | 22.9 | 18:00 | 0 | 95.8 |
| 15/09/2015 | 12.0 | 6.9 | 26.6 | 12:00 | 0 | 100.0 |
| 16/09/2015 | 12.7 | 6.3 | 22.9 | 18:00 | 0 | 100.0 |
| 17/09/2015 | 17.7 | 12.1 | 24.2 | 12:00 | 0 | 100.0 |
| 18/09/2015 | 10.8 | 6.3 | 19.8 | 1:00 | 0 | 100.0 |
| 19/09/2015 | 11.5 | 3.3 | 27.3 | 17:00 | 0 | 100.0 |
| 20/09/2015 | 10.2 | 7.0 | 22.8 | 15:00 | 0 | 100.0 |
| 21/09/2015 | 10.3 | 2.7 | 20.7 | 17:00 | 0 | 100.0 |
| 22/09/2015 | 10.8 | 0.5 | 19.9 | 19:00 | 0 | 95.8 |
| 23/09/2015 | 11.8 | 7.1 | 22.0 | 15:00 | 0 | 100.0 |
| 24/09/2015 | 9.6 | 4.3 | 22.1 | 17:00 | 0 | 100.0 |
| 25/09/2015 | 9.4 | 5.7 | 22.5 | 13:00 | 0 | 100.0 |
| 26/09/2015 | 9.5 | 5.5 | 21.8 | 13:00 | 0 | 100.0 |
| 27/09/2015 | 10.0 | 5.6 | 23.8 | 16:00 | 0 | 100.0 |
| 28/09/2015 | 13.9 | 6.3 | 24.0 | 18:00 | 0 | 100.0 |
| 29/09/2015 | 12.6 | 5.6 | 26.8 | 16:00 | 0 | 95.8 |
| 30/09/2015 | 12.3 | 7.5 | 25.7 | 18:00 | 0 | 100.0 |

Results highlighted in red indicate the highest recorded value for the relevant averaging period for the month.

There will be no daily results if there is less than 75% valid data for that day

Table 27 Station 5 PM_{2.5} Monthly Summary

PM₁₀ Summary

| Station 5 Bryden St Ambient AQMS Particulate PM10 Summary September 2015 | | | | | | |
|--|---|-------------------------------------|-------------------------------------|-------------|---|--------------|
| Date | 24 hr Avg ($\mu\text{g}/\text{m}^3$) | 1 hr Avgs | | | No. of exceedences | Capture Rate |
| | | Min ($\mu\text{g}/\text{m}^3$) | Max ($\mu\text{g}/\text{m}^3$) | Time of Max | 24hr Avg > 50.0 $\mu\text{g}/\text{m}^3$ | |
| 1/09/2015 | 12.4 | 3.3 | 26.1 | 15:00 | 0 | 100.0 |
| 2/09/2015 | 22.4 | 6.1 | 45.0 | 16:00 | 0 | 100.0 |
| 3/09/2015 | 23.6 | 10.2 | 65.1 | 13:00 | 0 | 100.0 |
| 4/09/2015 | 17.6 | 5.3 | 37.0 | 23:00 | 0 | 100.0 |
| 5/09/2015 | 22.1 | 11.4 | 29.7 | 21:00 | 0 | 100.0 |
| 6/09/2015 | 18.4 | 11.6 | 24.5 | 6:00 | 0 | 100.0 |
| 7/09/2015 | 19.2 | 11.4 | 25.6 | 19:00 | 0 | 100.0 |
| 8/09/2015 | 20.4 | 11.1 | 35.1 | 13:00 | 0 | 100.0 |
| 9/09/2015 | 17.4 | 9.0 | 28.8 | 13:00 | 0 | 100.0 |
| 10/09/2015 | 18.4 | 8.2 | 32.2 | 16:00 | 0 | 100.0 |
| 11/09/2015 | 16.5 | 6.3 | 29.6 | 9:00 | 0 | 100.0 |
| 12/09/2015 | 13.6 | 7.0 | 30.5 | 22:00 | 0 | 100.0 |
| 13/09/2015 | 13.5 | 6.9 | 25.2 | 21:00 | 0 | 100.0 |
| 14/09/2015 | 15.8 | 6.2 | 23.3 | 3:00 | 0 | 100.0 |
| 15/09/2015 | 19.5 | 6.1 | 38.2 | 14:00 | 0 | 100.0 |
| 16/09/2015 | 20.6 | 1.0 | 52.4 | 17:00 | 0 | 100.0 |
| 17/09/2015 | 16.8 | 12.0 | 24.0 | 10:00 | 0 | 100.0 |
| 18/09/2015 | 12.6 | 4.1 | 23.9 | 22:00 | 0 | 100.0 |
| 19/09/2015 | 18.0 | 5.2 | 49.3 | 12:00 | 0 | 100.0 |
| 20/09/2015 | 14.1 | 6.0 | 23.9 | 15:00 | 0 | 100.0 |
| 21/09/2015 | 19.4 | 2.2 | 37.1 | 18:00 | 0 | 100.0 |
| 22/09/2015 | 17.5 | 7.4 | 32.2 | 16:00 | 0 | 95.8 |
| 23/09/2015 | 19.6 | 11.2 | 28.5 | 16:00 | 0 | 100.0 |
| 24/09/2015 | 19.7 | 6.2 | 93.3 | 14:00 | 0 | 100.0 |
| 25/09/2015 | 14.7 | 8.7 | 21.6 | 15:00 | 0 | 100.0 |
| 26/09/2015 | 12.7 | 2.1 | 19.5 | 14:00 | 0 | 100.0 |
| 27/09/2015 | 15.3 | 2.5 | 43.1 | 15:00 | 0 | 100.0 |
| 28/09/2015 | 18.0 | 5.1 | 27.7 | 17:00 | 0 | 100.0 |
| 29/09/2015 | 18.0 | 4.2 | 53.1 | 14:00 | 0 | 100.0 |
| 30/09/2015 | 18.6 | 8.7 | 32.4 | 15:00 | 0 | 95.8 |

Results highlighted in red indicate the highest recorded value for the relevant averaging period for the month.

There will be no daily results if there is less than 75% valid data for that day

Table 28 Station 5 PM₁₀ Monthly Summary

Graphical Representations

Nitrogen Dioxide

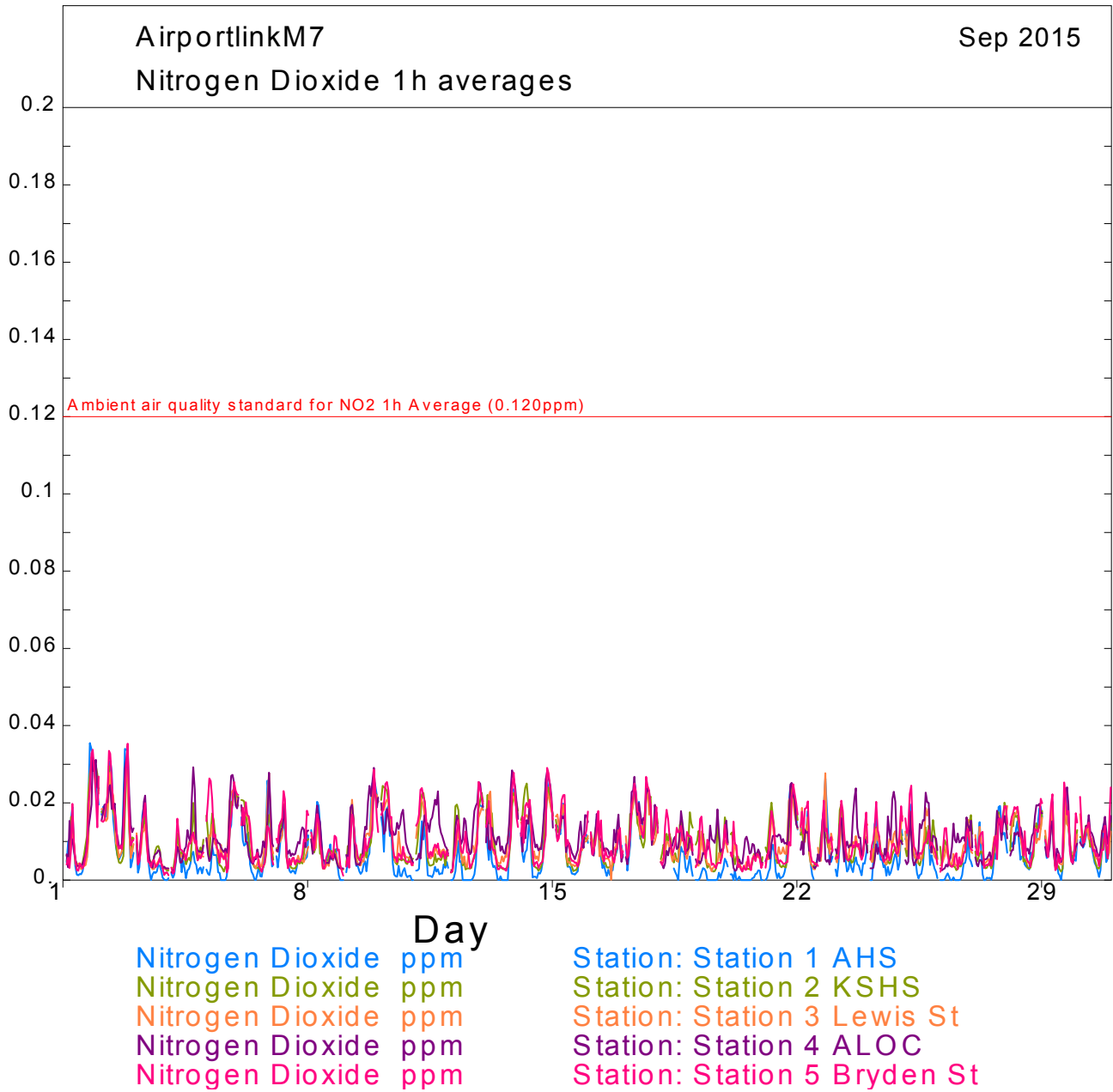


Figure 1 Nitrogen Dioxide 1hr averages

Carbon Monoxide 8hr Rolling Averages

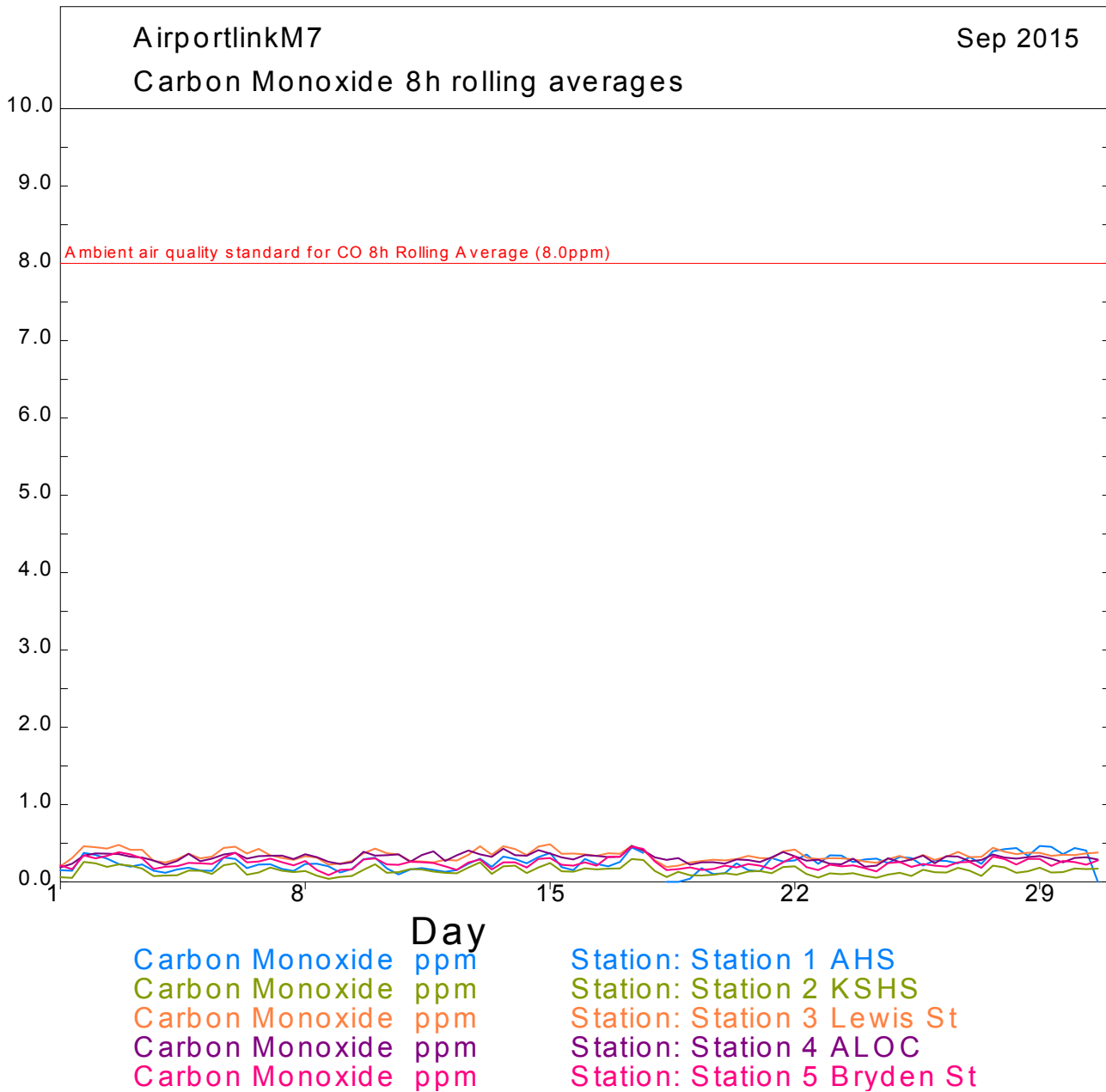


Figure 2 Carbon Monoxide 8hr rolling averages

PM₁₀ 24hr Averages

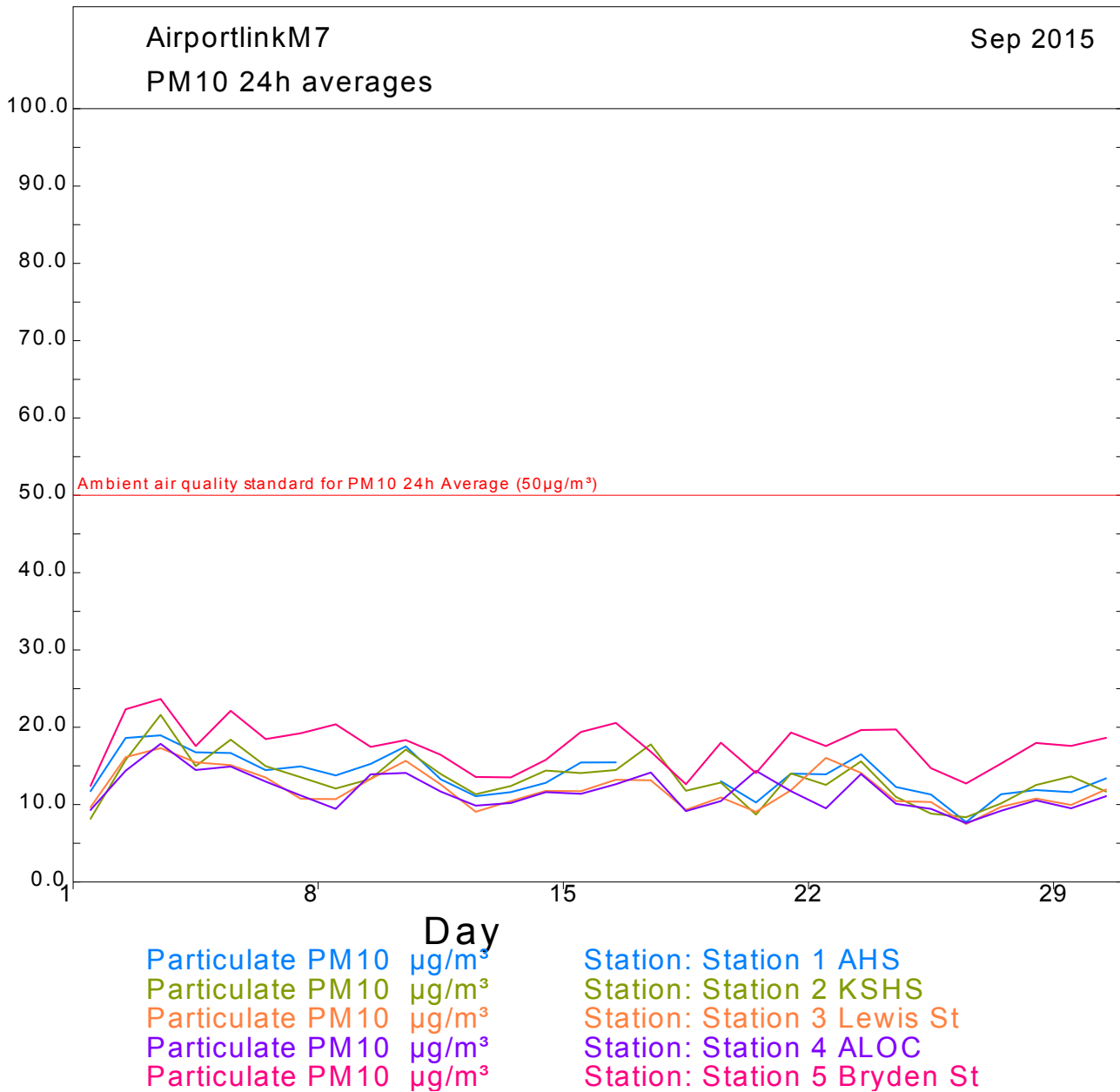


Figure 3 PM₁₀ 24hr Averages

PM_{2.5} 24hr Averages

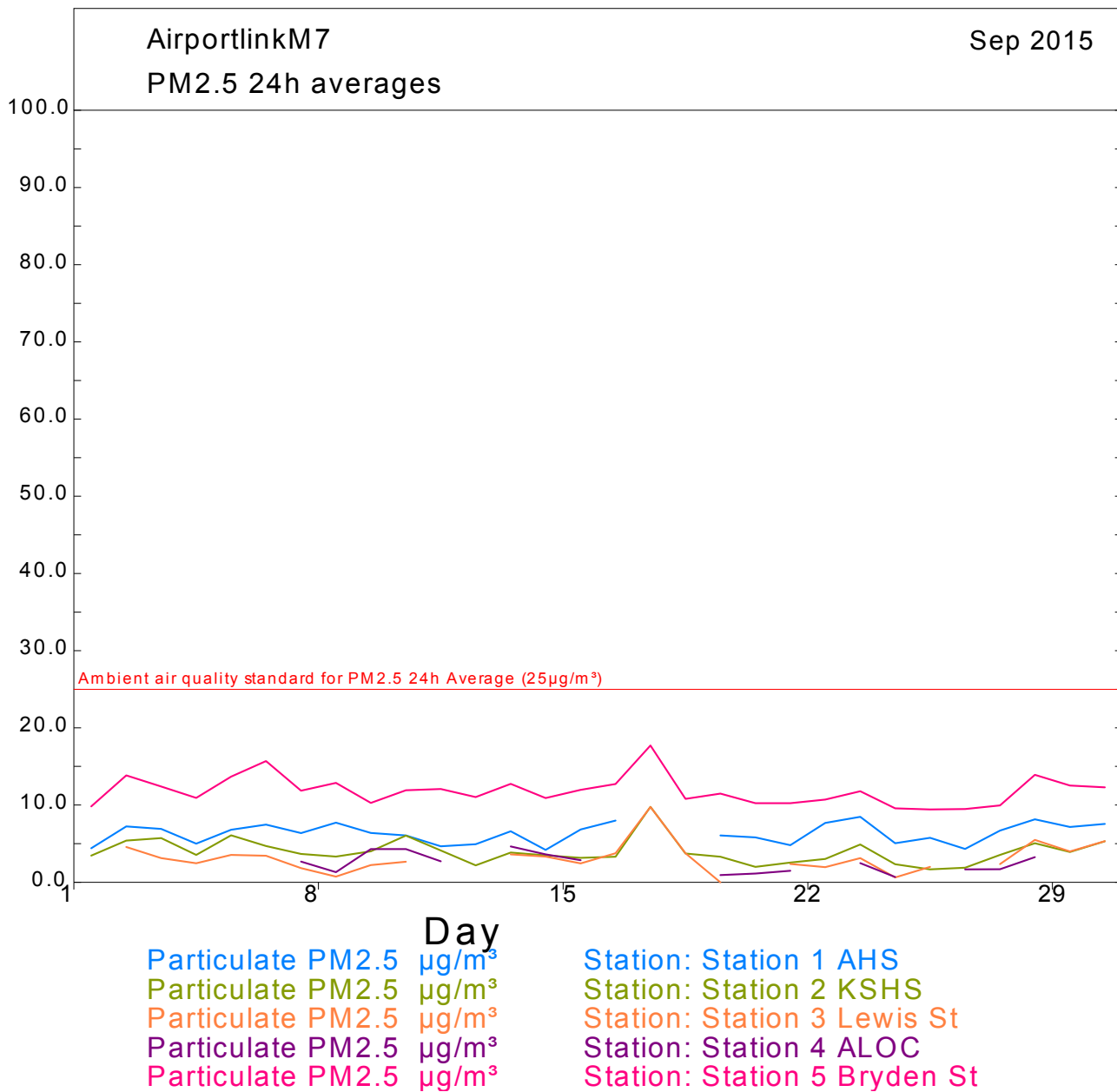


Figure 4 PM_{2.5} 24hr Averages

TSP High Volume Air Sampler Results

Total Suspended Particulate High Volume Air Sampler results are presented in Table 29 below. The HVAS are run on a one in six day cycle.

The Coordinator Generals criterion of 90 $\mu\text{g}/\text{m}^3$ was not exceeded during the reporting period at any of the five sites.

| TSP Results September 2015 | | | | | |
|----------------------------|--|---|---|---|---|
| Sample Date | Station 1 AHS ($\mu\text{g}/\text{m}^3$) | Station 2 KSHS ($\mu\text{g}/\text{m}^3$) | Station 3 LS ($\mu\text{g}/\text{m}^3$) | Station 4 ALOC ($\mu\text{g}/\text{m}^3$) | Station 5 BS ($\mu\text{g}/\text{m}^3$) |
| 3/09/2015 | 46 | 38 | 39 | 37 | 44 |
| 9/09/2015 | 31 | 26 | 29 | 30 | 27 |
| 15/09/2015 | 27 | 22 | 20 | 23 | 30 |
| 21/09/2015 | 22 | 22 | 21 | 27 | 20 |
| 27/09/2015 | 17 | 18 | 19 | 17 | 17 |
| Monthly Average | 28.6 | 25.2 | 25.6 | 26.8 | 27.6 |

Table 29 TSP High Volume Air Sampler Results

Validation Tables

The following tables outline any data removed during the data validation process, or automatically invalidated by the data acquisition system.

Station 1 Aviation High School

| Station 1 Aviation High School Ambient AQMS Data Validation Table September 2015 | | | | | | |
|--|------------------|---------------------------------------|--|-----------------|------------|--|
| Start Date | End Date | Affected Parameters | Details of change | Validation Date | Changed by | |
| 1/09/2015 0:00 | 22/09/2015 12:00 | NO, NO ₂ , NO _x | Data adjusted - multiplier of 1.061697 applied | 12/10/2015 | CP | |
| 1/09/2015 4:55 | 30/09/2015 22:35 | PM ₁₀ , PM _{2.5} | Intermittent instrument fault - fault codes logged | 12/10/2015 | CP | |
| 1/09/2015 6:40 | 29/09/2015 10:50 | PM ₁₀ , PM _{2.5} | Intermittent unrealistic data less than negative 1 µg/m ³ | 12/10/2015 | CP | |
| 1/09/2015 10:25 | 30/09/2015 23:55 | CO | Intermittent automatic reference adjusts | 12/10/2015 | CP | |
| 17/09/2015 16:55 | 18/09/2015 10:15 | All parameters | Instrument shelter power outage | 12/10/2015 | CP | |
| 18/09/2015 10:20 | 18/09/2015 12:50 | CO | Negative data after power interruption | 12/10/2015 | CP | |
| 22/09/2015 12:05 | 22/09/2015 13:00 | All parameters | Maintenance | 12/10/2015 | CP | |

Table 30 Station 1 Aviation High School AQMS Data Validation Table

Station 2 Kedron State High School

| Station 2 Kedron State High School Ambient AQMS Data Validation Table September 2015 | | | | | | |
|--|------------------|--------------------------------------|--|-----------------|------------|--|
| Start Date | End Date | Affected Parameters | Details of change | Validation Date | Changed by | |
| 1/09/2015 1:05 | 30/09/2015 22:05 | PM _{2.5} , PM ₁₀ | Intermittent instrument fault - fault codes logged | 12/10/2015 | CP | |
| 1/09/2015 10:55 | 29/09/2015 11:50 | PM _{2.5} , PM ₁₀ | Intermittent unrealistic data less than negative 1 µg/m ³ | 12/10/2015 | CP | |
| 22/09/2015 14:20 | 22/09/2015 14:45 | All parameters | Maintenance | 12/10/2015 | CP | |

Table 31 Station 2 Kedron High School AQMS Data Validation Table

Station 3 Lewis Street

| Station 3 Lewis St Ambient AQMS Data Validation Table September 2015 | | | | | |
|--|------------------|---------------------|--|-----------------|------------|
| Start Date | End Date | Affected Parameters | Details of change | Validation Date | Changed by |
| 1/09/2015 0:00 | 22/09/2015 13:15 | NO, NO2, NOx | Data adjusted - multiplier of 0.936602 applied | 12/10/2015 | CP |
| 1/09/2015 0:55 | 27/09/2015 2:50 | PM10, PM2.5 | Intermittent unrealistic data less than negative 1 µg/m3 | 12/10/2015 | CP |
| 1/09/2015 1:05 | 30/09/2015 23:05 | PM10, PM2.5 | Intermittent instrument faults - fault codes logged | 12/10/2015 | CP |
| 22/09/2015 13:20 | 22/09/2015 13:45 | All parameters | Maintenance | 12/10/2015 | CP |

Table 32 Station 3 Lewis St AQMS Data Validation Table

Station 4 Airport Link Operation Centre

| Station 4 Airport Link Operation Centre AQMS Data Validation Table September 2015 | | | | | |
|---|------------------|---------------------|--|-----------------|------------|
| Start Date | End Date | Affected Parameters | Details of change | Validation Date | Changed by |
| 1/09/2015 0:00 | 30/09/2015 21:50 | PM10, PM2.5 | Intermittent unrealistic data less than negative 1 µg/m3 | 13/09/2015 | CP |
| 1/09/2015 1:05 | 30/09/2015 23:05 | PM2.5 | Intermittent instrument fault - fault code logged | 13/09/2015 | CP |
| 22/09/2015 9:25 | 22/09/2015 11:05 | All parameters | Maintenance | 13/09/2015 | CP |

Table 33 Station 4 Airport Link Operation Centre AQMS Data Validation Table

Station 5 Bryden St

| Station 5 Bryden St AQMS Data Validation Table September 2015 | | | | | | |
|---|------------------|---|--|-----------------|------------|--|
| Start Date | End Date | Affected Parameters | Details of change | Validation Date | Changed by | |
| 1/09/2015 1:05 | 30/09/2015 23:05 | PM _{2.5} , PM ₁₀ | Intermittent instrument faults - fault codes logged | 12/10/2015 | CP | |
| 2/09/2015 14:55 | 29/09/2015 14:50 | PM _{2.5} | Intermittent unrealistic data less than negative 1 µg/m ³ | 12/10/2015 | CP | |
| 22/09/2015 15:05 | 22/09/2015 15:35 | All parameters | Maintenance | 12/10/2015 | CP | |
| 29/09/2015 14:00 | 29/09/2015 15:00 | CO, NO, NO ₂ , NO _x | Intermittent data communication errors | 12/10/2015 | CP | |

Table 34 Station 5 Bryden St AQMS Data Validation Table