



# Ventia Pty Ltd

## AirportlinkM7 Ambient Air Quality Monitoring Report

April 2016

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**NORDITECH**  
ENVIRONMENTAL MONITORING TECHNOLOGIES



## Document Control

Revision	Date	Details	Prepared By	Approved By
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16 May 2016

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16 May 2016



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## Glossary

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

AQMS – Air Quality Monitoring Station

EPA – Environment Protection Authority

NO – Nitric Oxide

NO<sub>2</sub> – Nitrogen Dioxide

NO<sub>x</sub> – Nitrogen Oxides

CO – Carbon Monoxide

PM<sub>10</sub> – Particulate matter of 10 microns or less aerodynamic equivalent size

PM<sub>2.5</sub> – 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/m<sup>3</sup> – micrograms per cubic meter

AHS – Aviation High School

KSHS – Kedron State High School

LS – Lewis Street

ALOC – Airportlink Operation Centre

CS – Cartwright St



## Executive Summary

### Exceedance Reporting

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

AirportlinkM7 AQMS Exceedance Reporting April 2016							
Pollutant	Averaging period	Maximum Allowed Concentration	Number of Exceedences April 2016				
			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 <sup>3</sup>	0	0	0	0	0
PM2.5	24 hour	25 µg/m <sup>3</sup>	0	0	0	0	0
PM10	24 hour	50 µg/m <sup>3</sup>	0	0	0	0	0

Table 1 Exceedance Reporting

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



## Introduction

Norditech Pty Ltd was appointed by Ventia 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 (Cartwright 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)
- NO<sub>2</sub> (Nitrogen Dioxide)
- NO<sub>x</sub> (Total Oxides of Nitrogen)
- CO (Carbon Monoxide)
- PM<sub>10</sub>
- PM<sub>2.5</sub>
- TSP (Samples on a 1 in 6 day cycle)

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

- 201508 ALM7 Monthly Validated Data Spreadsheet.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 <sub>2</sub> NO <sub>x</sub>	ppm	2.78%	AS 3580.5.1	14/04/2016	14/04/2016	14/04/2016	14/04/2016	14/04/2016
CO	ppm	2.56%	AS 3580.7.1	14/04/2016	14/04/2016	14/04/2016	14/04/2016	14/04/2016
PM <sub>10</sub>	µg/m <sup>3</sup>	3.21 µg/m <sup>3</sup>	AS 3580.9.11	23/02/2015*	23/02/2015	22/02/2015*	22/02/2015*	23/02/2015
PM <sub>2.5</sub>	µg/m <sup>3</sup>	3.21 µg/m <sup>3</sup>	AS 3580.9.11 / EQPM 0308- 170	23/02/2015	23/02/2015	22/02/2015	22/02/2015	23/02/2015
TSP	µg/m <sup>3</sup>	7.34%	AS 3580.9.3	22/03/2015	22/03/2016	22/03/2016	22/03/2016	22/03/2016

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 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.

All data is recorded to Australian Eastern Standard Time.

Data capture rates are calculated as per the following formula:

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

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 April 2016						
Parameter	Unit	EPP Goal	Averaging Period	Maximum Value	Date & Time	Capture Rate
NO <sub>2</sub>	ppm	0.120	1 Hour	0.027	11/04/2016 18:00	97.2
CO	ppm	8.0	8 Hours	0.4	10/04/2016 10:00	96.7
PM <sub>2.5</sub>	µg/m3	25	24 Hours	7.4	12/04/2016	94.9
PM <sub>10</sub>	µg/m3	50	24 Hours	25.0	04/04/2016	98.9

Table 4 Station 1 Monthly Summary



## Graphical Representations

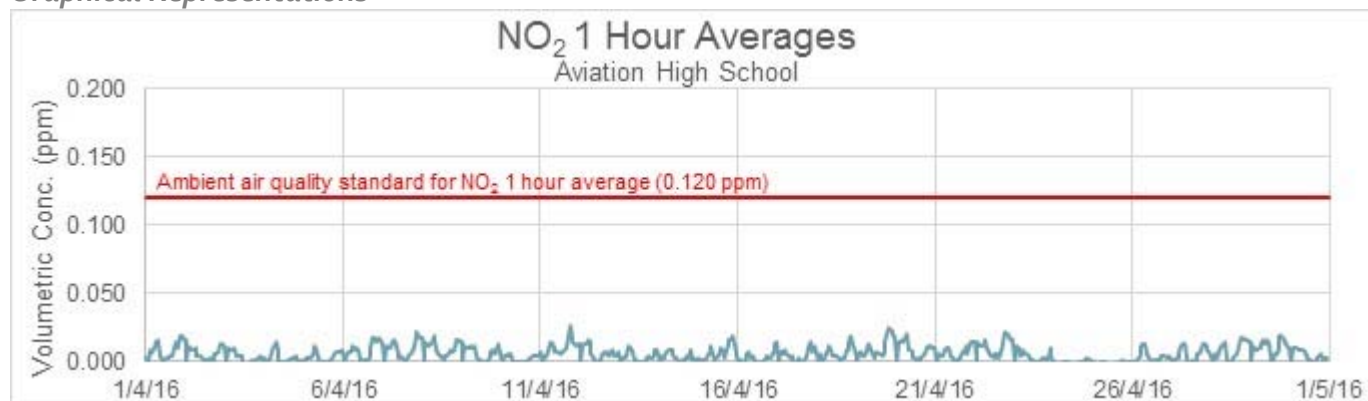


Figure 1 Station 1 Nitrogen Dioxide 1hr averages

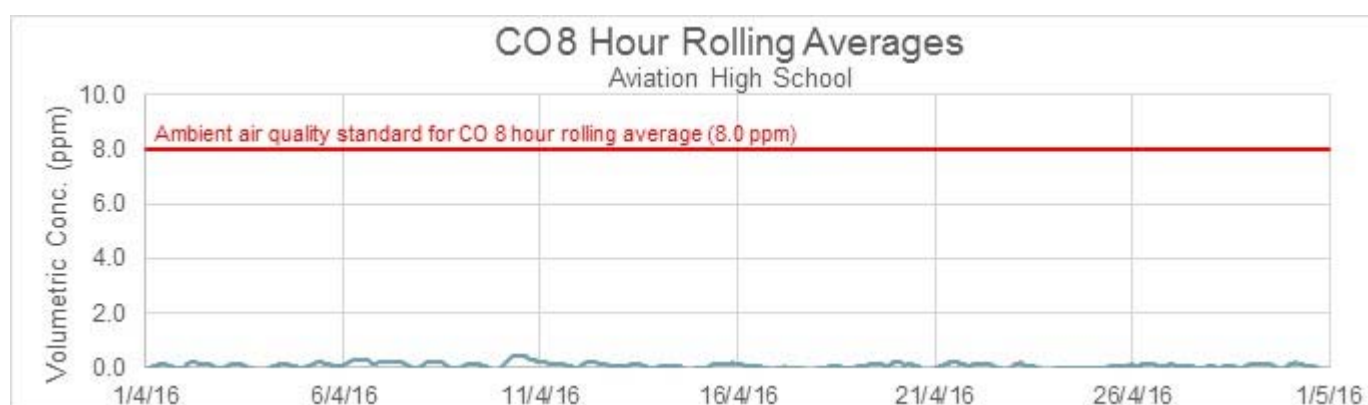


Figure 2 Station 1 Carbon Monoxide 8hr rolling averages

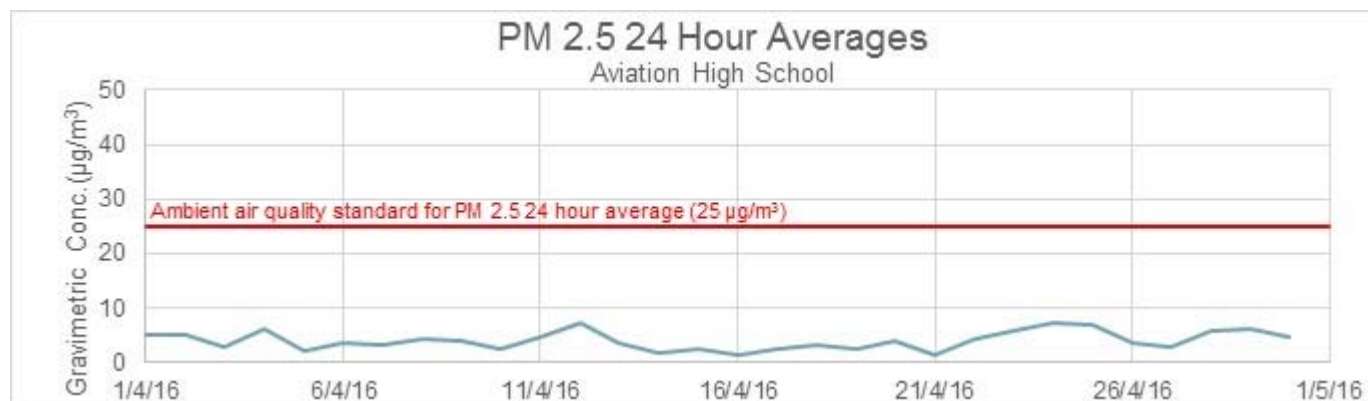


Figure 3 Station 1 PM2.5 24hr averages

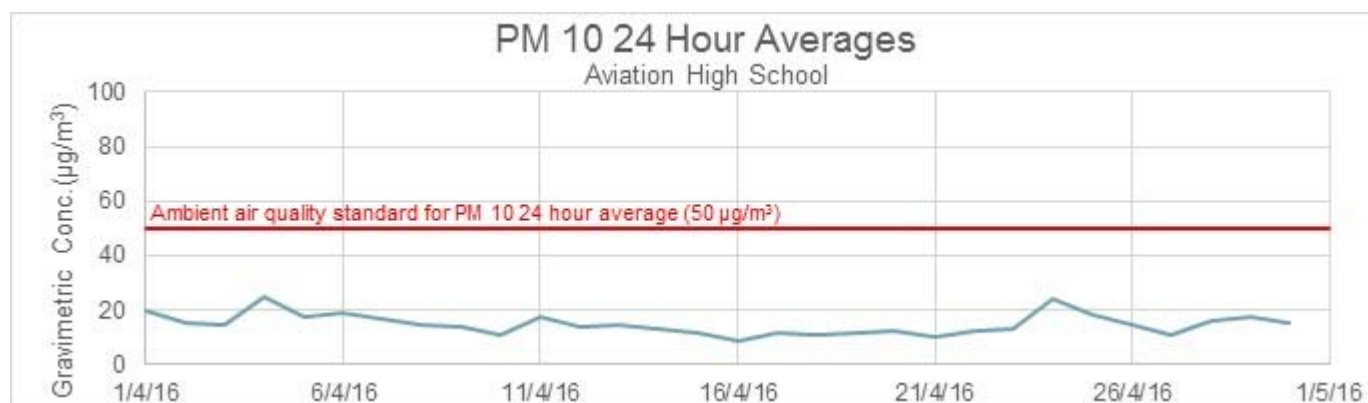


Figure 4 Station 1 PM10 24hr averages



### Nitrogen Dioxide Summary

Station 1 Aviation High School Ambient AQMS Nitrogen Dioxide Summary April 2016						
Date	24hr Avg (ppm)	1 hr Avgs			Number of Exceedences 1hr Avg > 0.120 ppm	Capture Rate
		Min (ppm)	Max (ppm)	Time of Max		
1/04/2016	0.009	0.001	0.019	22:00	0	97.2
2/04/2016	0.007	0.001	0.016	00:00	0	97.2
3/04/2016	0.004	-0.002	0.012	00:00	0	97.2
4/04/2016	0.003	0.000	0.014	07:00	0	97.2
5/04/2016	0.004	-0.001	0.011	07:00	0	97.2
6/04/2016	0.008	0.000	0.018	21:00	0	97.2
7/04/2016	0.010	0.001	0.021	21:00	0	97.2
8/04/2016	0.010	0.002	0.018	07:00	0	97.2
9/04/2016	0.007	0.000	0.014	00:00	0	97.2
10/04/2016	0.002	-0.001	0.006	06:00	0	97.2
11/04/2016	0.010	0.003	0.027	18:00	0	97.2
12/04/2016	0.007	0.000	0.016	05:00	0	97.2
13/04/2016	0.004	0.000	0.012	06:00	0	97.2
14/04/2016	0.004	0.000	0.009	06:00	0	95.8
15/04/2016	0.007	0.000	0.018	21:00	0	97.2
16/04/2016	0.003	-0.001	0.012	23:00	0	97.2
17/04/2016	0.005	-0.001	0.014	00:00	0	97.2
18/04/2016	0.006	0.000	0.019	21:00	0	97.2
19/04/2016	0.010	0.003	0.025	20:00	0	97.2
20/04/2016	0.009	0.001	0.020	07:00	0	97.2
21/04/2016	0.007	0.001	0.015	22:00	0	97.2
22/04/2016	0.012	0.003	0.022	18:00	0	97.2
23/04/2016	0.005	-0.001	0.014	00:00	0	97.2
24/04/2016	0.000	-0.002	0.002	20:00	0	97.2
25/04/2016	-0.001	-0.002	0.001	18:00	0	97.2
26/04/2016	0.004	-0.001	0.014	08:00	0	97.2
27/04/2016	0.006	0.000	0.014	07:00	0	97.2
28/04/2016	0.009	0.000	0.018	20:00	0	97.2
29/04/2016	0.011	0.001	0.019	18:00	0	97.2
30/04/2016	0.005	0.000	0.010	05:00	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

Table 5 Station 1 Nitrogen Dioxide Monthly Summary



### Carbon Monoxide Summary

Station 1 Aviation High School Ambient AQMS Carbon Monoxide Summary April 2016								
Date	24 hr Avg (ppm)	1 hr Aves			8 hr Rolling Aves		No. of exceedences 8hr Avg > 8.0 ppm	Capture Rate
		Min (ppm)	Max (ppm)	Time of Max	Max (ppm)	Time of Max		
1/04/2016	0.1	-0.1	0.3	23:00	0.1	09:00	0	96.9
2/04/2016	0.1	-0.1	0.3	00:00	0.2	05:00	0	96.9
3/04/2016	0.0	-0.3	0.2	06:00	0.2	06:00	0	96.9
4/04/2016	0.1	-0.1	0.2	05:00	0.1	12:00	0	96.9
5/04/2016	0.1	-0.1	0.2	08:00	0.2	09:00	0	96.5
6/04/2016	0.2	0.0	0.4	21:00	0.3	09:00	0	96.5
7/04/2016	0.1	-0.1	0.4	23:00	0.2	01:00	0	96.5
8/04/2016	0.1	-0.2	0.3	07:00	0.2	05:00	0	96.5
9/04/2016	0.0	-0.2	0.2	06:00	0.2	06:00	0	96.5
10/04/2016	0.3	0.1	0.5	06:00	0.4	10:00	0	96.5
11/04/2016	0.1	-0.1	0.3	06:00	0.2	01:00	0	96.5
12/04/2016	0.1	0.0	0.3	04:00	0.2	06:00	0	96.5
13/04/2016	0.1	-0.1	0.2	07:00	0.1	10:00	0	96.5
14/04/2016	0.0	-0.2	0.1	08:00	0.1	04:00	0	95.1
15/04/2016	0.1	0.0	0.3	21:00	0.2	21:00	0	96.5
16/04/2016	0.0	-0.1	0.1	08:00	0.2	01:00	0	96.5
17/04/2016	0.0	-0.2	0.1	00:00	0.0	05:00	0	96.5
18/04/2016	0.0	-0.1	0.2	08:00	0.1	10:00	0	96.9
19/04/2016	0.1	-0.1	0.4	22:00	0.2	23:00	0	96.5
20/04/2016	0.0	-0.2	0.3	07:00	0.2	02:00	0	96.9
21/04/2016	0.1	0.0	0.3	23:00	0.2	10:00	0	96.9
22/04/2016	0.0	-0.2	0.3	23:00	0.2	05:00	0	96.9
23/04/2016	0.0	-0.3	0.2	00:00	0.2	04:00	0	96.9
24/04/2016	0.0	-0.1	0.1	16:00	0.0	21:00	0	96.9
25/04/2016	0.1	0.0	0.1	17:00	0.1	23:00	0	96.9
26/04/2016	0.1	0.0	0.3	08:00	0.2	09:00	0	96.9
27/04/2016	0.0	-0.1	0.2	08:00	0.1	01:00	0	96.9
28/04/2016	0.1	-0.1	0.3	21:00	0.1	23:00	0	96.9
29/04/2016	0.1	-0.1	0.3	08:00	0.2	02:00	0	96.9
30/04/2016	0.0	-0.2	0.2	00:00	0.2	03:00	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 6 Station 1 Carbon Monoxide Monthly Summary



*PM<sub>2.5</sub> Summary*

Station 1 Aviation High School Ambient AQMS Particulate PM2.5 Summary April 2016						
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		
1/04/2016	5.2	1.5	9.9	04:00	0	100.0
2/04/2016	5.1	1.1	8.9	00:00	0	100.0
3/04/2016	2.8	-1.0	8.8	01:00	0	100.0
4/04/2016	6.1	-0.8	14.4	06:00	0	100.0
5/04/2016	2.0	-0.8	5.8	00:00	0	87.5
6/04/2016	3.7	0.5	7.8	23:00	0	95.8
7/04/2016	3.3	-1.0	13.5	11:00	0	100.0
8/04/2016	4.5	1.0	8.7	23:00	0	95.8
9/04/2016	3.9	-0.6	13.4	15:00	0	79.2
10/04/2016	2.6	-1.0	7.7	23:00	0	87.5
11/04/2016	4.6	1.0	13.2	23:00	0	95.8
12/04/2016	7.4	0.2	24.3	02:00	0	100.0
13/04/2016	3.5	-1.0	7.6	21:00	0	95.8
14/04/2016	1.9	-1.0	7.7	01:00	0	95.8
15/04/2016	2.5	-1.0	5.9	22:00	0	79.2
16/04/2016	1.2	-1.0	5.8	06:00	0	83.3
17/04/2016	2.6	-0.8	5.0	08:00	0	100.0
18/04/2016	3.4	0.1	7.0	18:00	0	100.0
19/04/2016	2.5	-1.0	6.9	22:00	0	100.0
20/04/2016	4.1	-0.9	17.5	08:00	0	91.7
21/04/2016	1.5	-1.0	4.9	01:00	0	75.0
22/04/2016	4.3	-1.0	17.1	19:00	0	87.5
23/04/2016	5.7	3.1	9.7	23:00	0	100.0
24/04/2016	7.4	3.0	14.2	20:00	0	100.0
25/04/2016	6.8	2.3	24.2	03:00	0	100.0
26/04/2016	3.6	1.1	6.8	07:00	0	100.0
27/04/2016	3.0	-0.9	7.8	08:00	0	95.8
28/04/2016	5.7	0.2	11.6	22:00	0	100.0
29/04/2016	6.0	1.4	12.5	22:00	0	100.0
30/04/2016	4.7	1.0	8.8	08:00	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 7 Station 1 PM<sub>2.5</sub> Monthly Summary



*PM<sub>10</sub> Summary*

Station 1 Aviation High School Ambient AQMS Particulate PM10 Summary April 2016						
Date	24 hr Avg ( $\mu\text{g}/\text{m}^3$ )	1 hr Avgs			No. of exceedences 24hr Avg > 50.0 $\mu\text{g}/\text{m}^3$	Capture Rate
		Min ( $\mu\text{g}/\text{m}^3$ )	Max ( $\mu\text{g}/\text{m}^3$ )	Time of Max		
1/04/2016	20.0	14.7	29.1	08:00	0	100.0
2/04/2016	15.3	7.9	28.7	16:00	0	100.0
3/04/2016	14.3	8.0	28.3	06:00	0	100.0
4/04/2016	25.0	11.3	40.8	15:00	0	95.8
5/04/2016	17.7	9.9	25.2	08:00	0	100.0
6/04/2016	18.9	10.9	30.5	13:00	0	100.0
7/04/2016	16.6	9.1	36.2	06:00	0	95.8
8/04/2016	14.3	6.7	30.3	08:00	0	100.0
9/04/2016	13.7	4.9	27.1	14:00	0	100.0
10/04/2016	10.9	5.0	26.5	06:00	0	95.8
11/04/2016	17.4	7.1	53.5	14:00	0	95.8
12/04/2016	13.9	3.7	29.1	00:00	0	91.7
13/04/2016	14.9	6.3	27.3	14:00	0	100.0
14/04/2016	13.4	5.4	24.3	14:00	0	91.7
15/04/2016	11.8	6.9	17.7	19:00	0	100.0
16/04/2016	9.0	4.2	15.2	21:00	0	100.0
17/04/2016	11.4	8.4	16.9	18:00	0	100.0
18/04/2016	11.3	8.2	16.4	08:00	0	100.0
19/04/2016	11.8	7.0	20.5	13:00	0	100.0
20/04/2016	12.7	7.5	19.5	07:00	0	100.0
21/04/2016	10.2	7.4	17.0	09:00	0	100.0
22/04/2016	12.5	5.5	18.3	18:00	0	100.0
23/04/2016	13.4	7.4	21.2	12:00	0	100.0
24/04/2016	24.2	11.7	48.0	10:00	0	100.0
25/04/2016	17.9	8.9	25.1	12:00	0	100.0
26/04/2016	14.5	7.6	22.8	11:00	0	100.0
27/04/2016	10.9	5.8	20.3	07:00	0	100.0
28/04/2016	16.2	7.1	24.0	19:00	0	100.0
29/04/2016	17.4	10.3	28.8	11:00	0	100.0
30/04/2016	15.6	5.8	22.5	08:00	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 8 Station 1 PM<sub>10</sub> Monthly Summary



## Station 2 (Kedron State High School)

### Summary

Station 2 Kedron State High School Ambient AQMS Summary April 2016						
Parameter	Unit	EPP Goal	Averaging Period	Maximum Value	Date & Time	Capture Rate
NO <sub>2</sub>	ppm	0.120	1 Hour	0.024	04/04/2016 06:00	93.9
CO	ppm	8.0	8 Hours	0.3	30/04/2016 01:00	78.6
PM <sub>2.5</sub>	µg/m <sup>3</sup>	25	24 Hours	11.9	30/04/2016	92.6
PM <sub>10</sub>	µg/m <sup>3</sup>	50	24 Hours	22.3	04/04/2016	99.7

Table 9 Station 2 Monthly Summary



## Graphical Representations

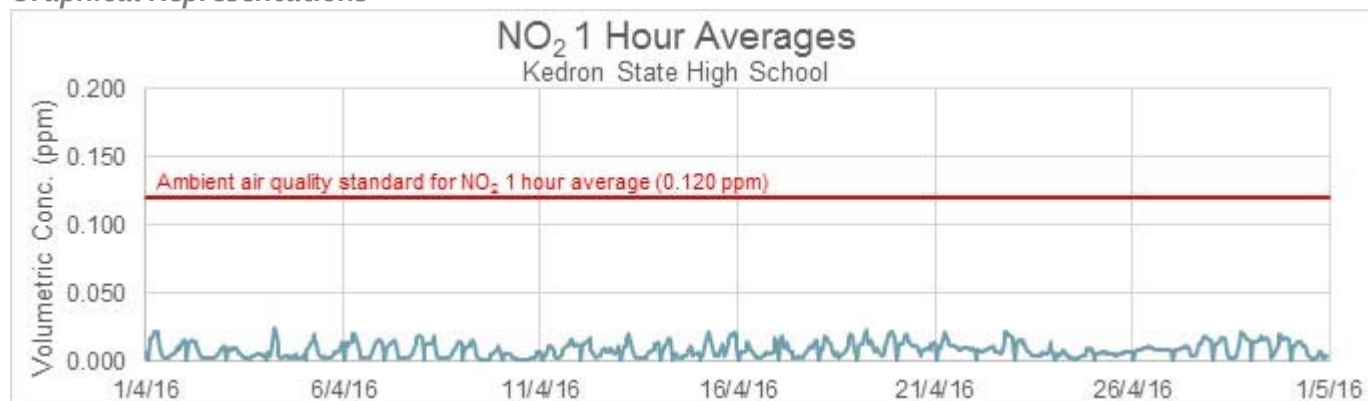


Figure 5 Station 2 Dioxide 1hr averages

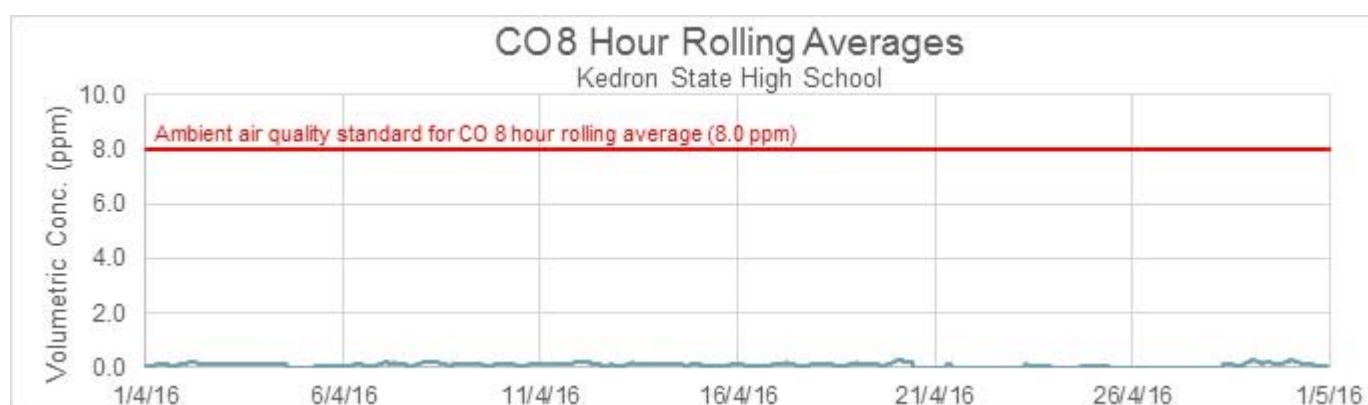


Figure 6 Station 2 Carbon Monoxide 8hr rolling averages

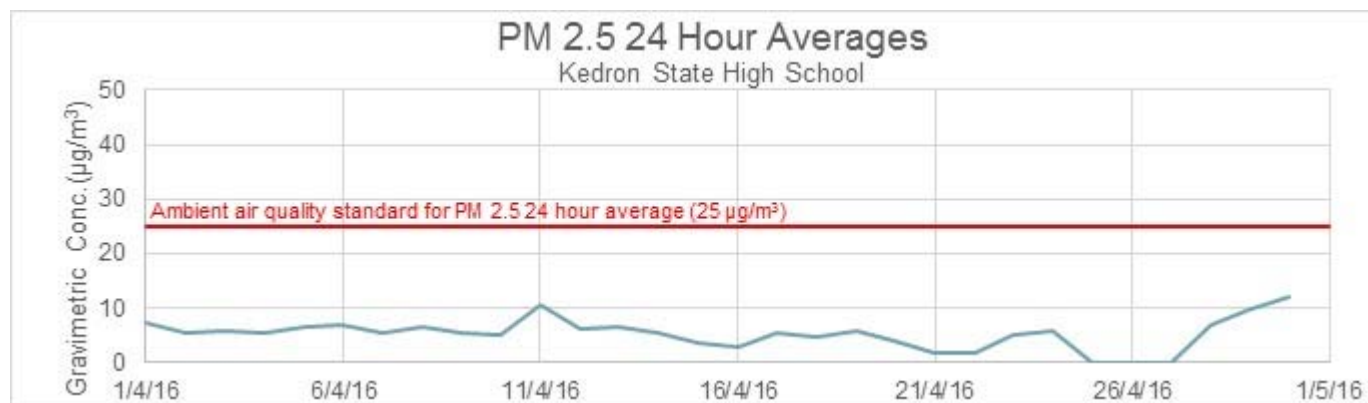


Figure 7 Station 2 PM2.5 24hr averages

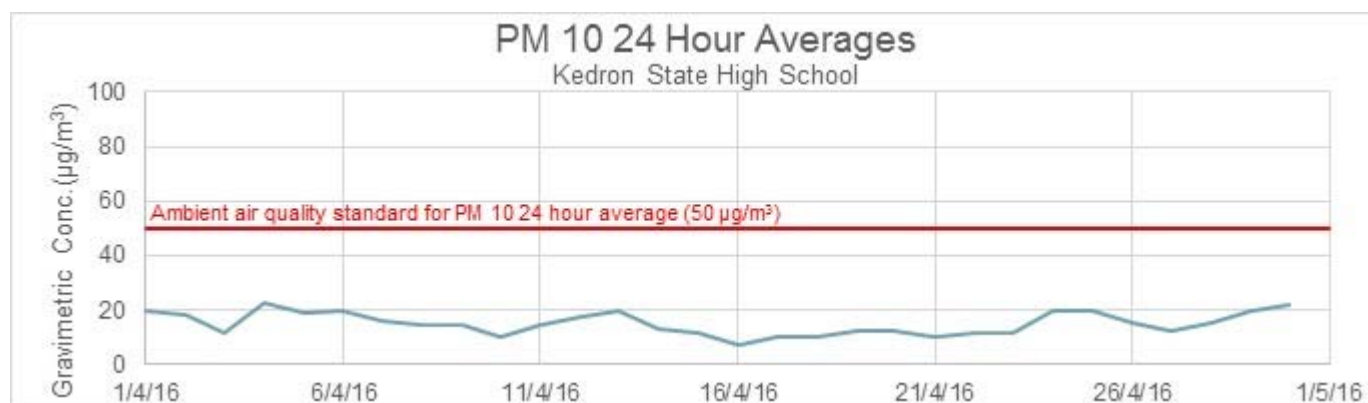


Figure 8 Station 2 PM10 24hr averages



### Nitrogen Dioxide Summary

Station 2 KSHS Ambient AQMS Nitrogen Dioxide Summary April 2016						
Date	24hr Avg (ppm)	1 hr Aves			Number of Exceedences 1hr Avg > 0.120 ppm	Capture Rate
		Min (ppm)	Max (ppm)	Time of Max		
1/04/2016	0.011	0.003	0.023	06:00	0	94.8
2/04/2016	0.008	0.002	0.016	04:00	0	95.5
3/04/2016	0.006	0.002	0.011	00:00	0	91.3
4/04/2016	0.006	0.002	0.024	06:00	0	92.0
5/04/2016	0.008	0.003	0.020	06:00	0	93.4
6/04/2016	0.011	0.002	0.020	06:00	0	95.1
7/04/2016	0.009	0.002	0.019	23:00	0	93.4
8/04/2016	0.009	0.003	0.018	07:00	0	95.8
9/04/2016	0.007	0.001	0.015	07:00	0	93.8
10/04/2016	0.003	0.001	0.007	22:00	0	94.1
11/04/2016	0.009	0.003	0.016	18:00	0	93.1
12/04/2016	0.009	0.003	0.017	06:00	0	95.1
13/04/2016	0.008	0.002	0.020	06:00	0	94.1
14/04/2016	0.008	0.002	0.017	06:00	0	89.9
15/04/2016	0.012	0.004	0.022	06:00	0	94.1
16/04/2016	0.007	0.002	0.017	23:00	0	93.4
17/04/2016	0.009	0.002	0.018	03:00	0	93.4
18/04/2016	0.011	0.003	0.021	21:00	0	94.1
19/04/2016	0.014	0.004	0.023	06:00	0	95.1
20/04/2016	0.012	0.004	0.020	07:00	0	94.1
21/04/2016	0.012	0.009	0.022	06:00	0	95.1
22/04/2016	0.011	0.005	0.022	19:00	0	94.8
23/04/2016	0.009	0.004	0.016	03:00	0	93.1
24/04/2016	0.005	0.002	0.011	23:00	0	92.0
25/04/2016	0.006	0.004	0.007	23:00	0	95.5
26/04/2016	0.009	0.007	0.011	10:00	0	96.9
27/04/2016	0.011	0.004	0.018	20:00	0	95.1
28/04/2016	0.012	0.002	0.021	18:00	0	92.4
29/04/2016	0.014	0.003	0.020	18:00	0	92.7
30/04/2016	0.008	0.002	0.016	00:00	0	94.4

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 April 2016								
Date	24 hr Avg (ppm)	1 hr Avgs			8 hr Rolling Avgs		No. of exceedences 8hr Avg > 8.0 ppm	Capture Rate
		Min (ppm)	Max (ppm)	Time of Max	Max (ppm)	Time of Max		
1/04/2016	0.1	0.0	0.3	23:00	0.1	23:00	0	96.2
2/04/2016	0.1	0.1	0.3	00:00	0.2	06:00	0	96.2
3/04/2016	0.1	0.1	0.2	00:00	0.2	05:00	0	96.2
<sup>1</sup> 4/04/2016	-	0.1	0.2	06:00	0.2	12:00	0	47.9
5/04/2016	0.0	0.0	0.2	06:00	0.1	12:00	0	94.4
6/04/2016	0.1	0.0	0.2	22:00	0.2	23:00	0	96.5
7/04/2016	0.1	0.0	0.3	23:00	0.2	02:00	0	96.5
8/04/2016	0.1	0.1	0.3	07:00	0.2	07:00	0	96.5
9/04/2016	0.1	0.1	0.2	00:00	0.2	05:00	0	96.5
10/04/2016	0.1	0.0	0.2	00:00	0.1	03:00	0	96.5
11/04/2016	0.2	0.1	0.3	07:00	0.2	23:00	0	96.5
12/04/2016	0.1	0.0	0.3	06:00	0.2	01:00	0	96.5
13/04/2016	0.1	0.1	0.3	06:00	0.2	08:00	0	96.5
14/04/2016	0.1	0.1	0.2	06:00	0.1	00:00	0	92.7
15/04/2016	0.1	0.0	0.2	06:00	0.1	22:00	0	96.5
16/04/2016	0.1	0.0	0.2	23:00	0.1	01:00	0	96.5
17/04/2016	0.1	0.0	0.2	00:00	0.2	06:00	0	96.5
18/04/2016	0.1	0.0	0.3	21:00	0.2	23:00	0	96.5
19/04/2016	0.2	0.0	0.4	23:00	0.2	23:00	0	96.5
<sup>1</sup> 20/04/2016	-	0.1	0.3	06:00	0.3	02:00	0	34.7
<sup>1</sup> 21/04/2016	-	0.1	0.2	06:00	0.1	10:00	0	33.3
<sup>1</sup> 22/04/2016	-	-	-	-	-	-	0	0.0
23/04/2016	0.1	0.0	0.1	02:00	0.1	07:00	0	94.4
24/04/2016	0.0	0.0	0.1	20:00	0.1	23:00	0	96.5
<sup>1</sup> 25/04/2016	-	0.0	0.1	06:00	0.1	10:00	0	34.0
<sup>1</sup> 26/04/2016	-	-	-	-	-	-	0	0.0
<sup>1</sup> 27/04/2016	-	-	-	-	-	-	0	0.0
28/04/2016	0.1	0.0	0.4	22:00	0.2	23:00	0	94.4
29/04/2016	0.2	0.1	0.3	23:00	0.3	01:00	0	96.5
30/04/2016	0.1	0.1	0.3	00:00	0.3	01:00	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

<sup>1</sup> Loss of data due to power failure

Table 11 Station 2 Carbon Monoxide Monthly Summary



## PM<sub>2.5</sub> Summary

Station 2 KSHS Ambient AQMS Particulate PM <sub>2.5</sub> Summary April 2016						
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		
1/04/2016	7.4	2.2	12.9	22:00	0	100.0
2/04/2016	5.3	2.5	11.0	00:00	0	100.0
3/04/2016	5.7	1.9	11.5	08:00	0	100.0
4/04/2016	5.3	0.9	13.4	08:00	0	100.0
5/04/2016	6.4	1.8	13.4	08:00	0	100.0
6/04/2016	6.8	2.3	16.1	22:00	0	100.0
7/04/2016	5.5	1.9	11.4	08:00	0	100.0
8/04/2016	6.7	1.5	14.3	04:00	0	100.0
9/04/2016	5.6	1.8	12.4	08:00	0	100.0
10/04/2016	5.1	1.2	13.7	08:00	0	100.0
11/04/2016	10.5	3.4	32.6	10:00	0	100.0
12/04/2016	6.0	2.1	15.3	08:00	0	100.0
13/04/2016	6.4	2.1	17.1	08:00	0	100.0
14/04/2016	5.5	1.5	13.2	10:00	0	91.7
15/04/2016	3.7	1.4	7.3	08:00	0	100.0
16/04/2016	2.8	1.2	6.6	10:00	0	100.0
17/04/2016	5.5	1.4	10.4	08:00	0	100.0
18/04/2016	4.8	1.5	9.4	10:00	0	100.0
19/04/2016	5.7	2.4	11.2	08:00	0	100.0
20/04/2016	3.9	0.0	13.4	12:00	0	100.0
21/04/2016	1.9	0.1	6.8	10:00	0	100.0
22/04/2016	1.7	0.1	7.5	22:00	0	100.0
23/04/2016	5.0	3.1	7.3	20:00	0	100.0
24/04/2016	6.0	2.9	12.1	10:00	0	100.0
<sup>1</sup> 25/04/2016	-	2.9	9.8	08:00	0	37.5
<sup>1</sup> 26/04/2016	-	-	-	-	0	0.0
<sup>1</sup> 27/04/2016	-	3.5	12.2	14:00	0	50.0
28/04/2016	7.1	2.7	12.7	10:00	0	100.0
29/04/2016	9.9	4.6	16.9	10:00	0	100.0
30/04/2016	11.9	3.7	22.8	20:00	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

<sup>1</sup> Loss of data due to power failure

Table 12 Station 2 PM<sub>2.5</sub> Monthly Summary



*PM<sub>10</sub> Summary*

Station 2 KSHS Ambient AQMS Particulate PM10 Summary April 2016						
Date	24 hr Avg ( $\mu\text{g}/\text{m}^3$ )	1 hr Avgs			No. of exceedences 24hr Avg > 50.0 $\mu\text{g}/\text{m}^3$	Capture Rate
		Min ( $\mu\text{g}/\text{m}^3$ )	Max ( $\mu\text{g}/\text{m}^3$ )	Time of Max		
1/04/2016	19.6	13.0	26.7	20:00	0	100.0
2/04/2016	18.0	11.0	33.5	08:00	0	100.0
3/04/2016	11.8	4.0	17.6	10:00	0	100.0
4/04/2016	22.3	13.9	30.7	18:00	0	100.0
5/04/2016	19.0	13.3	30.3	10:00	0	100.0
6/04/2016	19.4	9.7	35.6	22:00	0	100.0
7/04/2016	16.1	9.2	32.1	10:00	0	100.0
8/04/2016	14.9	7.6	23.5	10:00	0	100.0
9/04/2016	14.9	8.2	25.6	10:00	0	100.0
10/04/2016	10.3	4.5	18.9	00:00	0	100.0
11/04/2016	14.2	5.6	29.0	20:00	0	100.0
12/04/2016	17.8	6.5	70.4	22:00	0	100.0
13/04/2016	19.6	12.0	42.0	00:00	0	100.0
14/04/2016	13.3	7.9	18.8	22:00	0	91.7
15/04/2016	11.4	5.4	17.6	20:00	0	100.0
16/04/2016	7.3	2.5	13.1	12:00	0	100.0
17/04/2016	10.3	5.7	16.7	18:00	0	100.0
18/04/2016	10.5	5.7	15.5	08:00	0	100.0
19/04/2016	12.1	7.6	16.6	10:00	0	100.0
20/04/2016	12.2	5.1	19.3	12:00	0	100.0
21/04/2016	10.1	3.7	14.3	18:00	0	100.0
22/04/2016	11.4	4.7	20.5	22:00	0	100.0
23/04/2016	11.8	5.6	19.2	18:00	0	100.0
24/04/2016	20.0	7.4	28.8	10:00	0	100.0
25/04/2016	19.5	11.3	25.3	10:00	0	100.0
26/04/2016	15.7	5.6	27.6	08:00	0	100.0
27/04/2016	12.2	6.5	25.3	10:00	0	100.0
28/04/2016	15.2	5.2	23.6	10:00	0	100.0
29/04/2016	19.7	13.8	29.3	20:00	0	100.0
30/04/2016	22.0	10.0	45.8	22:00	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 PM<sub>10</sub> Monthly Summary



## Station 3 (Lewis Street)

### Summary

Station 3 Lewis St Ambient AQMS Summary April 2016						
Parameter	Unit	EPP Goal	Averaging Period	Maximum Value	Date & Time	Capture Rate
NO <sub>2</sub>	ppm	0.120	1 Hour	0.024	28/04/2016 18:00	97.1
CO	ppm	8.0	8 Hours	0.3	23/04/2016 02:00	96.8
PM <sub>2.5</sub>	µg/m3	25	24 Hours	15.9	04/04/2016	98.9
PM <sub>10</sub>	µg/m3	50	24 Hours	27.5	04/04/2016	98.5

Table 14 Station 3 Monthly Summary



## Graphical Representations

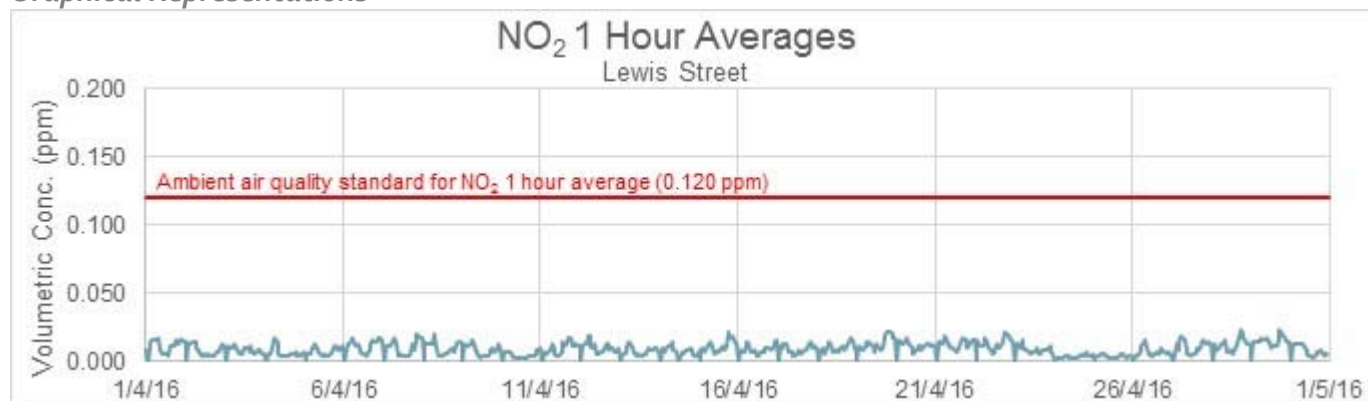


Figure 9 Station 3 Nitrogen Dioxide 1hr averages

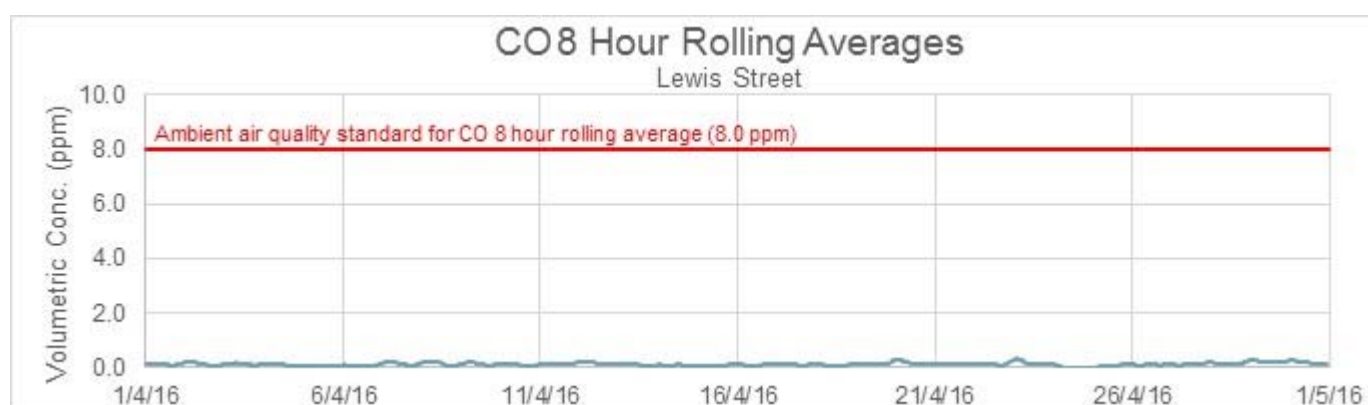


Figure 10 Station 3 Carbon Monoxide 8hr rolling averages

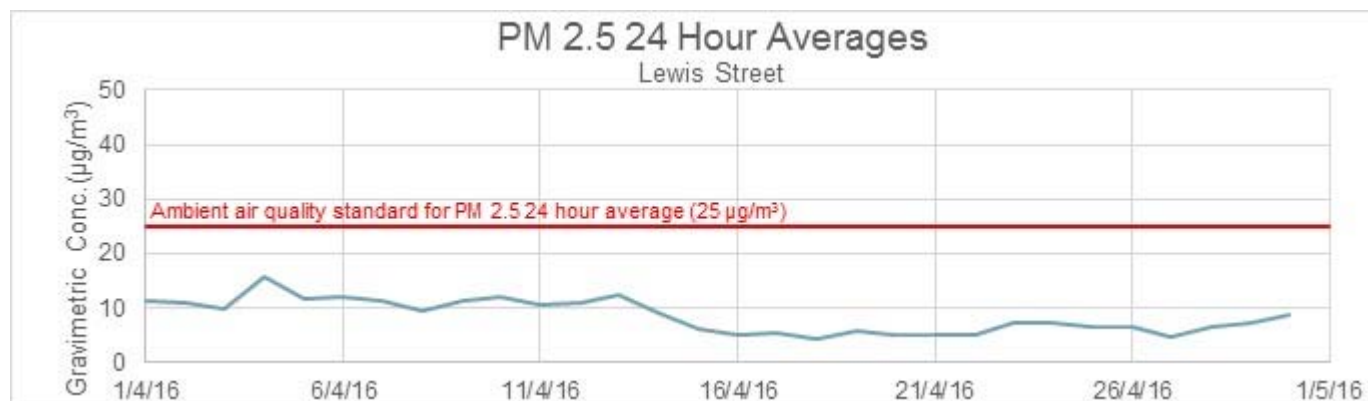


Figure 11 Station 3 PM2.5 24hr averages

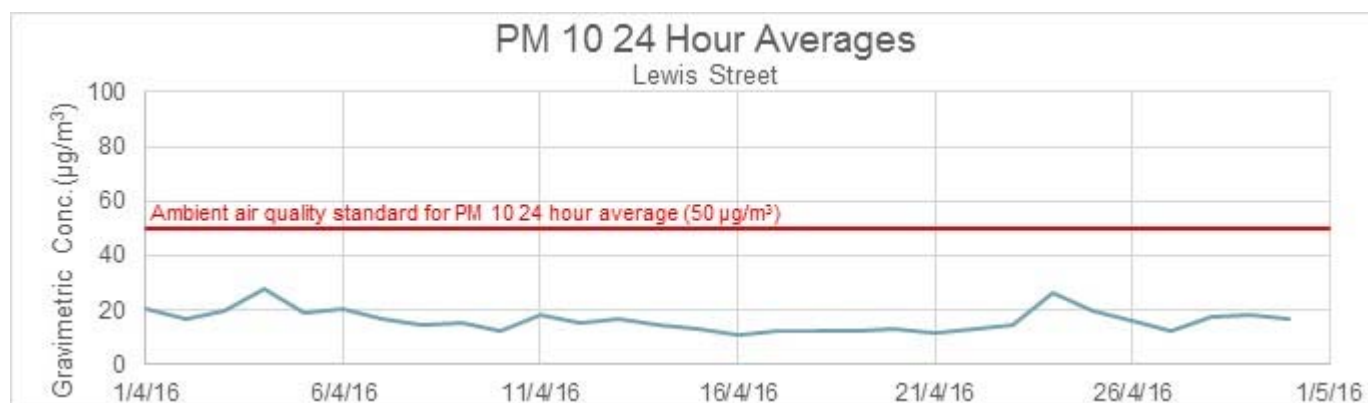


Figure 12 Station 3 PM10 24hr averages



### Nitrogen Dioxide Summary

Station 3 Lewis St Ambient AQMS Nitrogen Dioxide Summary April 2016						
Date	24hr Avg (ppm)	1 hr Aves			Number of Exceedences 1hr Avg > 0.120 ppm	Capture Rate
		Min (ppm)	Max (ppm)	Time of Max		
1/04/2016	0.012	0.005	0.018	08:00	0	97.2
2/04/2016	0.009	0.004	0.015	00:00	0	97.2
3/04/2016	0.009	0.005	0.013	06:00	0	97.2
4/04/2016	0.007	0.004	0.018	06:00	0	97.2
5/04/2016	0.008	0.004	0.014	07:00	0	97.2
6/04/2016	0.012	0.005	0.018	22:00	0	97.2
7/04/2016	0.010	0.004	0.020	21:00	0	97.2
8/04/2016	0.011	0.004	0.020	07:00	0	97.2
9/04/2016	0.009	0.003	0.016	07:00	0	97.2
10/04/2016	0.005	0.003	0.009	00:00	0	97.2
11/04/2016	0.010	0.004	0.017	17:00	0	97.2
12/04/2016	0.011	0.005	0.019	06:00	0	97.2
13/04/2016	0.008	0.004	0.014	06:00	0	97.2
14/04/2016	0.008	0.004	0.014	08:00	0	94.1
15/04/2016	0.011	0.006	0.022	18:00	0	97.2
16/04/2016	0.009	0.004	0.015	06:00	0	97.2
17/04/2016	0.010	0.004	0.017	00:00	0	97.2
18/04/2016	0.010	0.006	0.018	21:00	0	97.2
19/04/2016	0.013	0.007	0.022	21:00	0	97.2
20/04/2016	0.012	0.006	0.018	07:00	0	97.2
21/04/2016	0.013	0.007	0.019	06:00	0	97.2
22/04/2016	0.014	0.006	0.021	18:00	0	97.2
23/04/2016	0.009	0.005	0.015	05:00	0	97.2
24/04/2016	0.004	0.003	0.006	20:00	0	97.2
25/04/2016	0.004	0.003	0.006	06:00	0	97.2
26/04/2016	0.007	0.003	0.015	08:00	0	97.2
27/04/2016	0.011	0.005	0.019	06:00	0	97.2
28/04/2016	0.013	0.006	0.024	18:00	0	97.2
29/04/2016	0.015	0.010	0.023	18:00	0	97.2
30/04/2016	0.009	0.003	0.015	00:00	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

Table 15 Station 3 Nitrogen Dioxide Monthly Summary



### Carbon Monoxide Summary

Station 3 Lewis St Ambient AQMS Carbon Monoxide Summary April 2016								
Date	24 hr Avg (ppm)	1 hr Avgs			8 hr Rolling Avgs		No. of exceedences 8hr Avg > 8.0 ppm	Capture Rate
		Min (ppm)	Max (ppm)	Time of Max	Max (ppm)	Time of Max		
1/04/2016	0.1	0.1	0.3	23:00	0.2	23:00	0	96.9
2/04/2016	0.1	0.1	0.3	00:00	0.2	04:00	0	96.9
3/04/2016	0.1	0.1	0.2	06:00	0.2	07:00	0	96.9
4/04/2016	0.1	0.0	0.2	07:00	0.1	08:00	0	96.9
5/04/2016	0.1	0.0	0.1	23:00	0.1	23:00	0	96.9
6/04/2016	0.1	0.0	0.2	23:00	0.2	23:00	0	96.9
7/04/2016	0.1	0.1	0.3	23:00	0.2	02:00	0	96.9
8/04/2016	0.1	0.1	0.4	07:00	0.2	03:00	0	96.9
9/04/2016	0.1	0.0	0.2	23:00	0.2	07:00	0	96.9
10/04/2016	0.1	0.1	0.2	00:00	0.2	02:00	0	96.9
11/04/2016	0.1	0.1	0.2	07:00	0.2	23:00	0	96.9
12/04/2016	0.1	0.1	0.2	06:00	0.2	06:00	0	96.9
13/04/2016	0.1	0.0	0.2	07:00	0.1	00:00	0	96.9
14/04/2016	0.1	0.0	0.2	08:00	0.1	12:00	0	93.8
15/04/2016	0.1	0.0	0.2	18:00	0.1	22:00	0	96.9
16/04/2016	0.1	0.1	0.2	23:00	0.1	23:00	0	96.9
17/04/2016	0.1	0.1	0.2	00:00	0.2	02:00	0	96.9
18/04/2016	0.1	0.1	0.2	21:00	0.2	23:00	0	96.9
19/04/2016	0.2	0.1	0.4	23:00	0.3	23:00	0	96.9
20/04/2016	0.2	0.1	0.4	00:00	0.3	02:00	0	96.9
21/04/2016	0.1	0.1	0.3	23:00	0.2	23:00	0	96.9
22/04/2016	0.2	0.1	0.4	23:00	0.3	23:00	0	96.9
23/04/2016	0.1	0.1	0.4	00:00	0.3	02:00	0	96.9
24/04/2016	0.0	0.0	0.0	17:00	0.1	00:00	0	96.9
25/04/2016	0.1	0.0	0.1	17:00	0.1	23:00	0	96.9
26/04/2016	0.1	0.1	0.2	08:00	0.1	00:00	0	96.9
27/04/2016	0.1	0.1	0.2	19:00	0.2	23:00	0	96.9
28/04/2016	0.2	0.1	0.4	23:00	0.3	23:00	0	96.9
29/04/2016	0.2	0.1	0.4	00:00	0.3	01:00	0	96.9
30/04/2016	0.2	0.1	0.3	00:00	0.3	01:00	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<sub>2.5</sub> Summary

Station 3 Lewis St Ambient AQMS Particulate PM2.5 Summary April 2016						
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		
1/04/2016	11.2	6.0	20.2	05:00	0	87.5
2/04/2016	11.1	7.2	16.0	12:00	0	100.0
3/04/2016	9.7	5.3	15.0	04:00	0	100.0
4/04/2016	15.9	10.4	21.6	21:00	0	100.0
5/04/2016	11.7	6.1	18.3	06:00	0	95.8
6/04/2016	12.3	9.3	15.7	04:00	0	100.0
7/04/2016	11.5	6.5	18.8	08:00	0	100.0
8/04/2016	9.7	5.4	15.5	23:00	0	100.0
9/04/2016	11.4	4.8	24.4	15:00	0	100.0
10/04/2016	12.2	5.7	49.8	09:00	0	100.0
11/04/2016	10.5	6.3	18.3	23:00	0	100.0
12/04/2016	11.1	5.4	20.6	00:00	0	100.0
13/04/2016	12.4	8.0	18.9	21:00	0	100.0
14/04/2016	9.2	3.7	15.8	10:00	0	91.7
15/04/2016	6.1	1.0	11.8	18:00	0	100.0
16/04/2016	5.1	0.4	9.7	06:00	0	100.0
17/04/2016	5.4	2.0	8.9	18:00	0	100.0
18/04/2016	4.3	0.4	8.8	23:00	0	95.8
19/04/2016	5.8	0.7	13.7	23:00	0	100.0
20/04/2016	5.0	0.4	12.5	18:00	0	100.0
21/04/2016	5.1	1.1	10.7	06:00	0	100.0
22/04/2016	5.0	0.3	11.0	21:00	0	100.0
23/04/2016	7.2	1.3	14.5	07:00	0	95.8
24/04/2016	7.1	2.3	14.7	20:00	0	100.0
25/04/2016	6.5	1.1	16.0	01:00	0	100.0
26/04/2016	6.5	1.4	13.8	16:00	0	100.0
27/04/2016	4.9	0.1	9.8	08:00	0	100.0
28/04/2016	6.6	1.1	15.3	23:00	0	100.0
29/04/2016	7.3	2.7	15.2	15:00	0	100.0
30/04/2016	8.6	4.4	16.3	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 17 Station 3 PM<sub>2.5</sub> Monthly Summary



*PM<sub>10</sub> Summary*

Station 3 Lewis St Ambient AQMS Particulate PM10 Summary April 2016						
Date	24 hr Avg ( $\mu\text{g}/\text{m}^3$ )	1 hr Avgs			No. of exceedences 24hr Avg > 50.0 $\mu\text{g}/\text{m}^3$	Capture Rate
		Min ( $\mu\text{g}/\text{m}^3$ )	Max ( $\mu\text{g}/\text{m}^3$ )	Time of Max		
1/04/2016	20.5	13.3	30.8	15:00	0	100.0
2/04/2016	16.6	5.3	42.5	06:00	0	100.0
3/04/2016	19.4	9.1	38.9	15:00	0	100.0
4/04/2016	27.5	15.5	42.2	19:00	0	91.7
5/04/2016	19.3	10.2	28.5	08:00	0	100.0
6/04/2016	20.7	12.6	30.3	13:00	0	100.0
7/04/2016	17.1	7.4	41.0	06:00	0	100.0
8/04/2016	15.0	7.4	32.2	08:00	0	100.0
9/04/2016	15.4	6.6	31.9	14:00	0	95.8
10/04/2016	12.4	5.9	30.7	06:00	0	87.5
11/04/2016	18.4	8.7	53.7	14:00	0	95.8
12/04/2016	15.2	8.3	24.9	05:00	0	91.7
13/04/2016	16.9	7.0	26.0	09:00	0	100.0
14/04/2016	14.7	5.6	28.1	13:00	0	91.7
15/04/2016	12.9	8.4	18.6	19:00	0	100.0
16/04/2016	10.6	4.7	15.4	21:00	0	100.0
17/04/2016	12.5	10.0	17.3	18:00	0	100.0
18/04/2016	12.3	8.6	17.3	15:00	0	100.0
19/04/2016	12.6	6.8	21.1	13:00	0	100.0
20/04/2016	13.1	8.5	19.2	13:00	0	100.0
21/04/2016	11.7	7.3	17.8	07:00	0	100.0
22/04/2016	13.1	4.4	18.2	16:00	0	100.0
23/04/2016	14.9	6.6	24.3	13:00	0	100.0
24/04/2016	26.1	12.2	41.9	10:00	0	100.0
25/04/2016	19.9	9.1	30.6	16:00	0	100.0
26/04/2016	15.7	8.0	24.1	09:00	0	100.0
27/04/2016	12.2	7.8	20.9	08:00	0	100.0
28/04/2016	17.6	7.8	26.8	17:00	0	100.0
29/04/2016	18.0	10.5	25.1	19:00	0	100.0
30/04/2016	16.7	6.0	24.2	10:00	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 18 Station 3 PM<sub>10</sub> Monthly Summary



## Station 4 (Airportlink Operation Centre)

### Summary

Station 4 Airportlink Operation Centre Ambient AQMS Summary April 2016						
Parameter	Unit	EPP Goal	Averaging Period	Maximum Value	Date & Time	Capture Rate
NO <sub>2</sub>	ppm	0.120	1 Hour	0.026	29/04/2016 18:00	97.1
CO	ppm	8.0	8 Hours	0.5	08/04/2016 02:00	95.9
PM <sub>2.5</sub>	µg/m <sup>3</sup>	25	24 Hours	8.2	04/04/2016	94.7
PM <sub>10</sub>	µg/m <sup>3</sup>	50	24 Hours	23.3	04/04/2016	99.7

Table 19 Station 4 Monthly Summary



## Graphical Representations

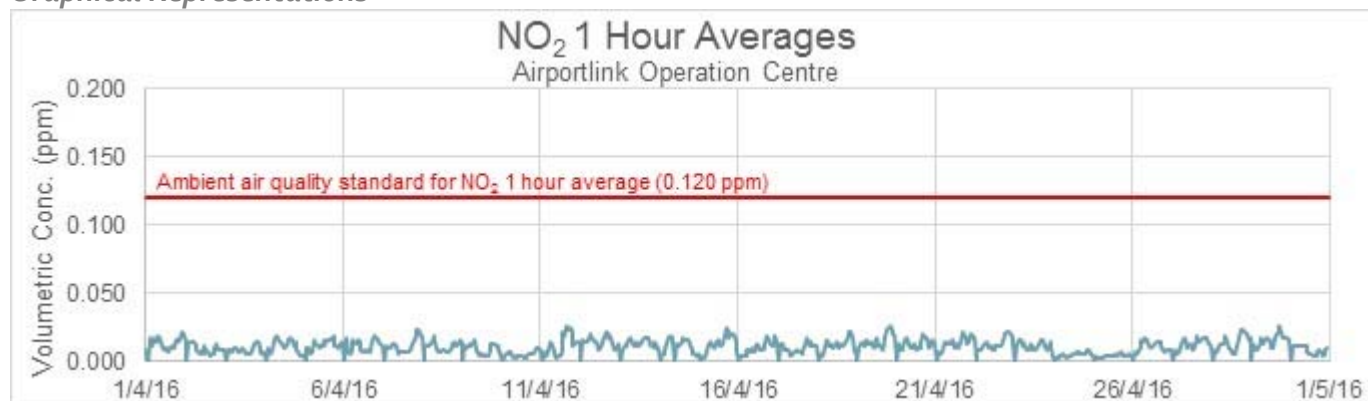


Figure 13 Station 4 Nitrogen Dioxide 1hr averages



Figure 14 Station 4 Carbon Monoxide 8hr rolling averages

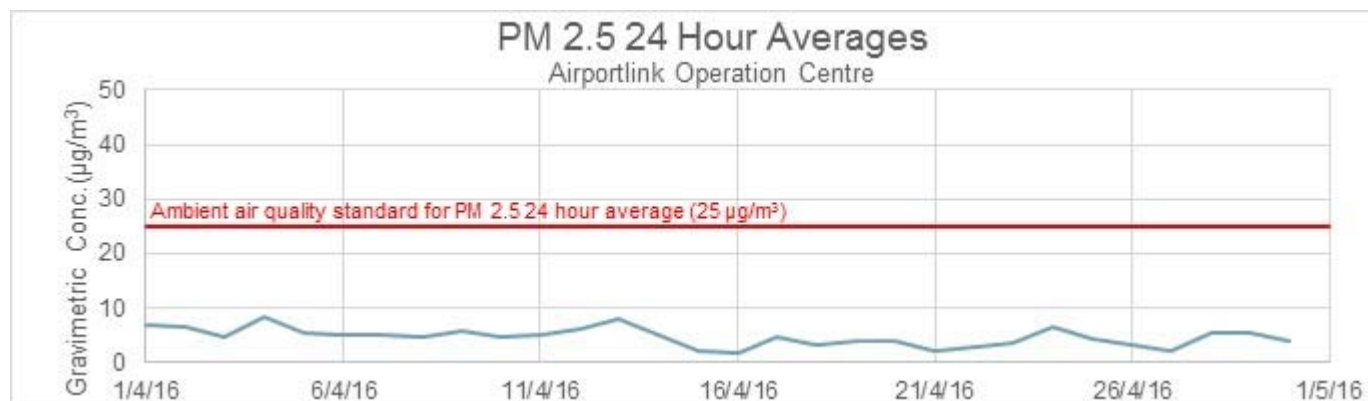


Figure 15 Station 4 PM2.5 24hr averages

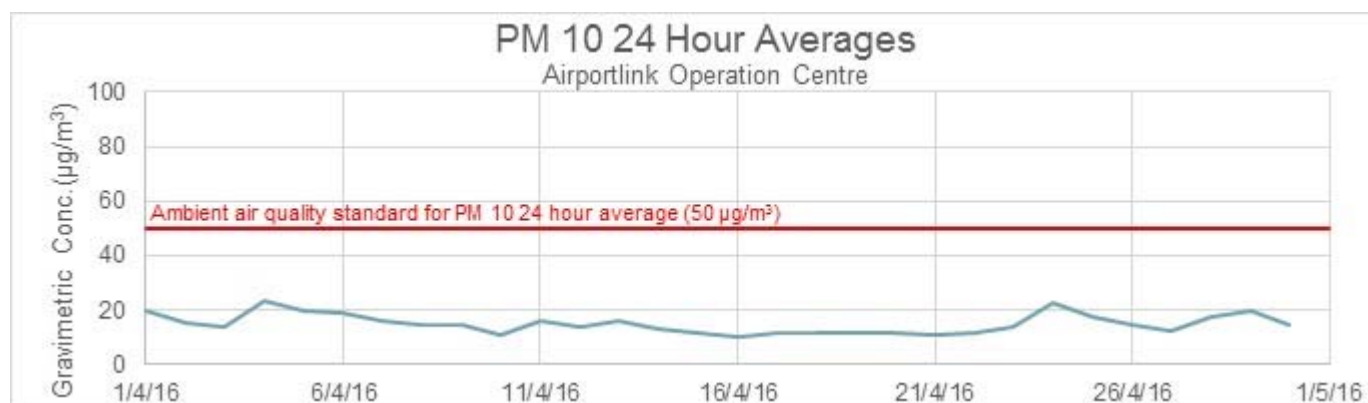


Figure 16 Station 4 PM10 24hr averages



## Nitrogen Dioxide Summary

### Station 4 Airportlink Operation Centre Ambient AQMS Nitrogen Dioxide Summary April 2016

Date	24hr Avg (ppm)	1 hr Avgs			Number of Exceedences 1hr Avg > 0.120 ppm	Capture Rate
		Min (ppm)	Max (ppm)	Time of Max		
1/04/2016	0.014	0.007	0.021	22:00	0	97.2
2/04/2016	0.010	0.005	0.015	04:00	0	97.2
3/04/2016	0.009	0.005	0.015	20:00	0	97.2
4/04/2016	0.012	0.004	0.019	07:00	0	97.2
5/04/2016	0.012	0.004	0.019	18:00	0	97.2
6/04/2016	0.012	0.006	0.018	19:00	0	97.2
7/04/2016	0.012	0.006	0.023	21:00	0	97.2
8/04/2016	0.012	0.007	0.018	07:00	0	97.2
9/04/2016	0.010	0.004	0.016	08:00	0	97.2
10/04/2016	0.005	0.003	0.010	21:00	0	97.2
11/04/2016	0.012	0.003	0.026	16:00	0	97.2
12/04/2016	0.015	0.008	0.023	16:00	0	97.2
13/04/2016	0.013	0.008	0.018	17:00	0	97.2
14/04/2016	0.012	0.005	0.018	07:00	0	93.4
15/04/2016	0.013	0.003	0.025	17:00	0	97.2
16/04/2016	0.010	0.004	0.019	23:00	0	97.2
17/04/2016	0.010	0.005	0.017	18:00	0	97.2
18/04/2016	0.012	0.005	0.022	21:00	0	97.2
19/04/2016	0.015	0.008	0.026	21:00	0	97.2
20/04/2016	0.013	0.009	0.020	17:00	0	97.2
21/04/2016	0.013	0.006	0.021	17:00	0	97.2
22/04/2016	0.014	0.008	0.022	21:00	0	97.2
23/04/2016	0.012	0.008	0.016	17:00	0	97.2
24/04/2016	0.005	0.003	0.009	22:00	0	97.2
25/04/2016	0.004	0.003	0.007	17:00	0	97.2
26/04/2016	0.011	0.003	0.017	08:00	0	97.2
27/04/2016	0.013	0.006	0.018	15:00	0	97.2
28/04/2016	0.014	0.005	0.024	19:00	0	97.2
29/04/2016	0.016	0.009	0.026	18:00	0	97.2
30/04/2016	0.009	0.004	0.016	00:00	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

Table 20 Station 4 Nitrogen Dioxide Monthly Summary



## Carbon Monoxide Summary

Station 4 Airportlink Operation Centre Ambient AQMS Carbon Monoxide Summary April 2016								
Date	24 hr Avg (ppm)	1 hr Avgs			8 hr Rolling Avgs		No. of exceedences 8hr Avg > 8.0 ppm	Capture Rate
		Min (ppm)	Max (ppm)	Time of Max	Max (ppm)	Time of Max		
1/04/2016	0.3	0.2	0.6	22:00	0.4	00:00	0	96.9
2/04/2016	0.3	0.3	0.4	02:00	0.4	02:00	0	96.5
3/04/2016	0.3	0.3	0.4	20:00	0.4	23:00	0	96.9
4/04/2016	0.4	0.3	0.5	16:00	0.4	20:00	0	96.5
5/04/2016	0.3	0.2	0.5	17:00	0.4	20:00	0	96.5
6/04/2016	0.3	0.2	0.4	20:00	0.3	00:00	0	96.9
7/04/2016	0.4	0.3	0.6	22:00	0.4	23:00	0	96.5
8/04/2016	0.3	0.3	0.4	07:00	0.5	02:00	0	96.5
9/04/2016	0.3	0.2	0.4	08:00	0.3	02:00	0	96.5
10/04/2016	0.3	0.2	0.3	23:00	0.3	01:00	0	96.5
11/04/2016	0.4	0.2	0.5	16:00	0.4	21:00	0	96.5
12/04/2016	0.4	0.3	0.5	18:00	0.4	08:00	0	96.5
13/04/2016	0.3	0.3	0.4	17:00	0.4	00:00	0	96.5
14/04/2016	0.2	0.1	0.3	08:00	0.3	00:00	0	92.7
15/04/2016	0.1	0.0	0.4	17:00	0.2	22:00	0	96.5
16/04/2016	0.1	0.0	0.2	18:00	0.2	00:00	0	96.5
17/04/2016	0.1	0.1	0.2	18:00	0.2	01:00	0	96.5
18/04/2016	0.1	0.1	0.2	21:00	0.2	22:00	0	96.5
19/04/2016	0.2	0.1	0.3	21:00	0.3	23:00	0	96.9
20/04/2016	0.2	0.1	0.3	17:00	0.3	01:00	0	96.5
21/04/2016	0.2	0.1	0.3	22:00	0.2	23:00	0	96.5
22/04/2016	0.2	0.1	0.4	21:00	0.3	23:00	0	96.9
23/04/2016	0.2	0.1	0.3	17:00	0.3	01:00	0	96.9
24/04/2016	0.0	0.0	0.1	16:00	0.2	00:00	0	80.6
25/04/2016	0.0	0.0	0.1	17:00	0.1	17:00	0	93.8
26/04/2016	0.1	0.0	0.3	16:00	0.2	18:00	0	96.5
27/04/2016	0.1	0.0	0.3	15:00	0.2	21:00	0	96.9
28/04/2016	0.2	0.1	0.4	19:00	0.3	23:00	0	96.9
29/04/2016	0.2	0.1	0.5	18:00	0.3	22:00	0	96.9
30/04/2016	0.2	0.2	0.3	00:00	0.3	00:00	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 21 Station 4 Carbon Monoxide Monthly Summary



*PM<sub>2.5</sub> Summary*

Station 4 Airportlink Operation Centre Ambient AQMS Particulate PM2.5 Summary April 2016						
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 $\mu\text{g}/\text{m}^3$	
1/04/2016	7.0	0.4	16.8	09:00	0	91.7
2/04/2016	6.4	-0.8	18.4	11:00	0	100.0
3/04/2016	4.8	0.0	10.0	11:00	0	95.8
4/04/2016	8.2	0.5	20.1	11:00	0	100.0
5/04/2016	5.5	-1.0	12.6	11:00	0	100.0
6/04/2016	5.2	0.3	11.0	12:00	0	100.0
7/04/2016	5.0	-0.5	21.7	11:00	0	100.0
8/04/2016	4.6	-1.0	16.0	13:00	0	91.7
9/04/2016	5.7	0.2	11.6	15:00	0	100.0
10/04/2016	4.6	-1.0	10.9	11:00	0	91.7
11/04/2016	5.2	0.0	14.8	10:00	0	95.8
12/04/2016	6.4	2.0	13.9	10:00	0	100.0
13/04/2016	8.1	3.2	13.0	07:00	0	100.0
14/04/2016	5.3	0.0	17.7	12:00	0	95.8
15/04/2016	2.2	-0.5	5.0	09:00	0	83.3
16/04/2016	1.6	-1.0	6.7	13:00	0	91.7
17/04/2016	4.7	0.5	9.7	12:00	0	100.0
18/04/2016	3.2	-1.0	9.5	11:00	0	83.3
19/04/2016	4.1	-0.7	9.8	13:00	0	87.5
20/04/2016	4.0	0.0	9.5	14:00	0	95.8
21/04/2016	2.3	-0.9	7.7	12:00	0	83.3
22/04/2016	2.7	-1.0	14.7	11:00	0	83.3
23/04/2016	3.5	0.0	9.0	10:00	0	95.8
24/04/2016	6.5	3.2	11.6	14:00	0	100.0
25/04/2016	4.5	-0.7	8.7	09:00	0	95.8
26/04/2016	3.2	-1.0	6.0	09:00	0	91.7
27/04/2016	2.2	-0.8	5.0	23:00	0	91.7
28/04/2016	5.3	0.0	12.6	13:00	0	100.0
29/04/2016	5.6	1.5	15.9	14:00	0	100.0
30/04/2016	4.0	-0.8	12.6	12:00	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 22 Station 4 PM<sub>2.5</sub> Monthly Summary



*PM<sub>10</sub> Summary*

Station 4 Airportlink Operation Centre Ambient AQMS Particulate PM10 Summary April 2016						
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 $\mu\text{g}/\text{m}^3$	
1/04/2016	19.6	15.4	25.0	08:00	0	100.0
2/04/2016	15.1	8.5	21.0	16:00	0	100.0
3/04/2016	13.7	9.7	19.4	23:00	0	100.0
4/04/2016	23.3	10.6	31.8	19:00	0	100.0
5/04/2016	19.8	14.5	35.0	09:00	0	100.0
6/04/2016	19.2	13.2	26.8	09:00	0	100.0
7/04/2016	15.9	9.4	23.0	07:00	0	100.0
8/04/2016	14.5	8.8	26.8	08:00	0	100.0
9/04/2016	14.5	5.8	28.3	14:00	0	100.0
10/04/2016	10.7	6.7	15.3	22:00	0	100.0
11/04/2016	15.8	5.8	46.2	15:00	0	100.0
12/04/2016	14.0	8.1	21.9	06:00	0	100.0
13/04/2016	16.1	9.2	25.6	13:00	0	100.0
14/04/2016	13.3	6.7	19.2	13:00	0	95.8
15/04/2016	11.7	4.3	19.1	19:00	0	100.0
16/04/2016	10.0	4.1	17.0	21:00	0	100.0
17/04/2016	11.6	5.2	17.3	18:00	0	100.0
18/04/2016	11.9	6.4	19.5	12:00	0	100.0
19/04/2016	11.9	6.8	23.0	13:00	0	100.0
20/04/2016	12.0	6.4	26.0	13:00	0	100.0
21/04/2016	11.2	5.5	16.9	19:00	0	100.0
22/04/2016	11.4	3.9	20.3	14:00	0	100.0
23/04/2016	13.7	7.1	23.0	13:00	0	95.8
24/04/2016	22.3	9.5	40.3	16:00	0	100.0
25/04/2016	17.6	8.0	30.2	16:00	0	100.0
26/04/2016	14.8	6.9	24.8	13:00	0	100.0
27/04/2016	12.2	7.0	22.1	15:00	0	100.0
28/04/2016	17.3	6.8	27.2	19:00	0	100.0
29/04/2016	19.6	10.7	28.9	14:00	0	100.0
30/04/2016	14.4	6.9	22.1	10:00	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 PM<sub>10</sub> Monthly Summary



## Station 5 (Cartwright Street)

### Summary

Station 5 Cartwright St Ambient AQMS Summary April 2016						
Parameter	Unit	EPP Goal	Averaging Period	Maximum Value	Date & Time	Capture Rate
NO <sub>2</sub>	ppm	0.120	1 Hour	0.030	29/04/2016 09:00	97.1
CO	ppm	8.0	8 Hours	0.3	23/04/2016 02:00	96.7
PM <sub>2.5</sub>	µg/m <sup>3</sup>	25	24 Hours	13.2	13/04/2016	96.0
PM <sub>10</sub>	µg/m <sup>3</sup>	50	24 Hours	34.3	04/04/2016	99.9

Table 24 Station 5 Monthly Summary



## Graphical Representations

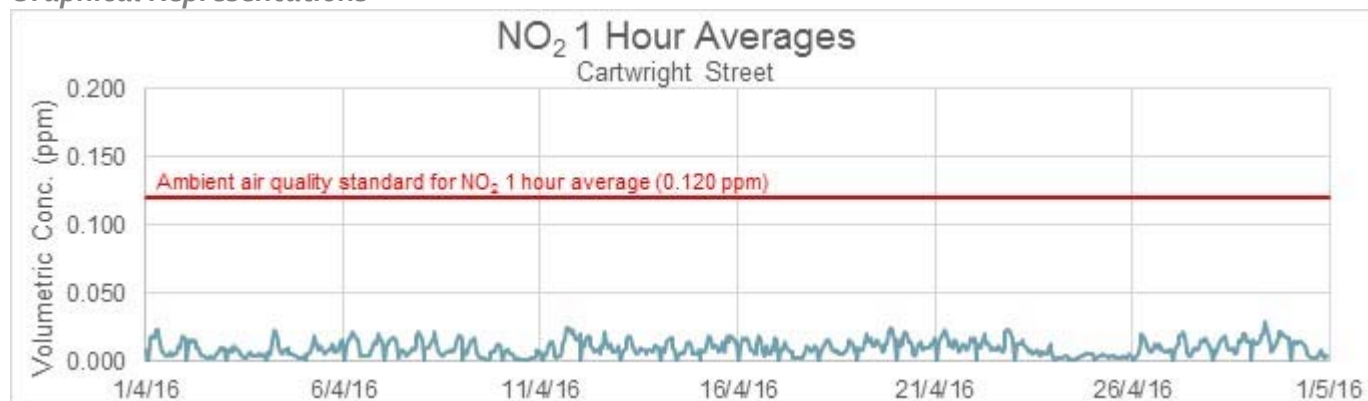


Figure 17 Station 5 Dioxide 1hr averages



Figure 18 Station 5 Carbon Monoxide 8hr rolling averages

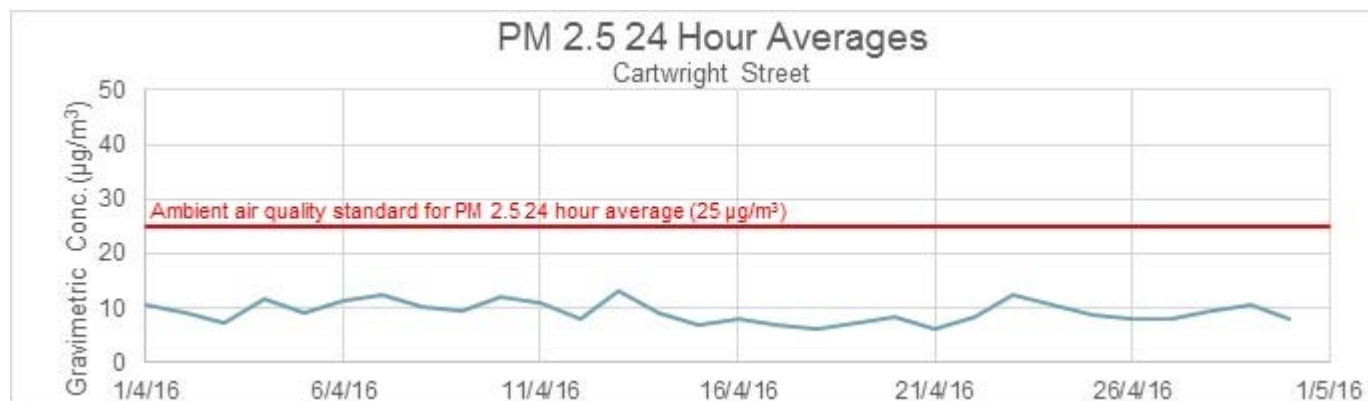


Figure 19 Station 5 PM2.5 24hr averages

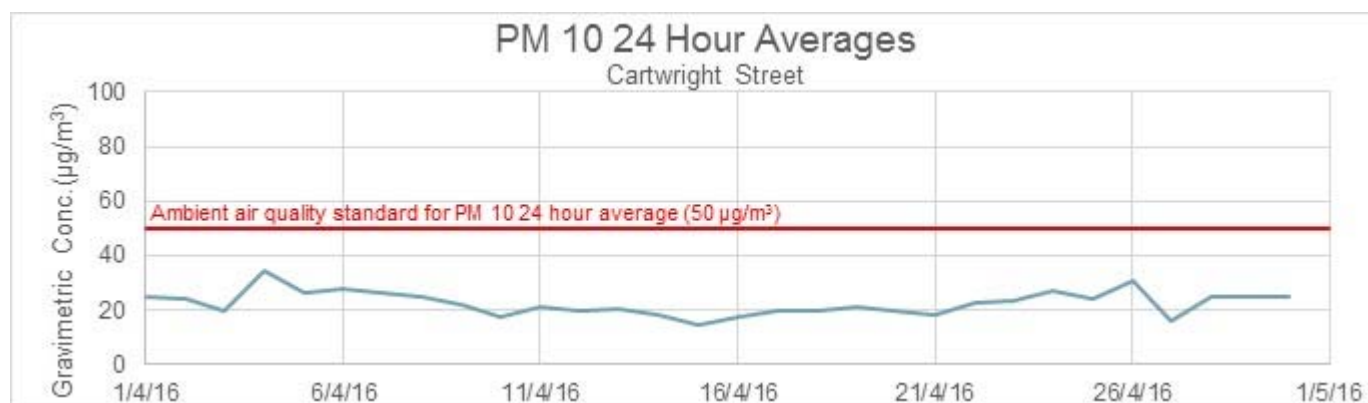


Figure 20 Station 5 PM10 24hr averages



### Nitrogen Dioxide Summary

Station 5 Cartwright St Ambient AQMS Nitrogen Dioxide Summary April 2016						
Date	24hr Avg (ppm)	1 hr Avgs			Number of Exceedences 1hr Avg > 0.120 ppm	Capture Rate
		Min (ppm)	Max (ppm)	Time of Max		
1/04/2016	0.012	0.004	0.023	06:00	0	97.2
2/04/2016	0.008	0.003	0.016	05:00	0	97.2
3/04/2016	0.006	0.003	0.011	06:00	0	97.2
4/04/2016	0.008	0.002	0.023	06:00	0	97.2
5/04/2016	0.010	0.005	0.018	06:00	0	97.2
6/04/2016	0.012	0.004	0.022	06:00	0	97.2
7/04/2016	0.011	0.002	0.022	22:00	0	97.2
8/04/2016	0.011	0.005	0.021	08:00	0	97.2
9/04/2016	0.008	0.001	0.018	08:00	0	97.2
10/04/2016	0.004	0.001	0.011	00:00	0	97.2
11/04/2016	0.013	0.003	0.025	16:00	0	97.2
12/04/2016	0.012	0.006	0.022	15:00	0	97.2
13/04/2016	0.010	0.006	0.019	06:00	0	97.2
14/04/2016	0.010	0.005	0.018	07:00	0	94.4
15/04/2016	0.013	0.006	0.019	06:00	0	97.2
16/04/2016	0.012	0.005	0.019	13:00	0	97.2
17/04/2016	0.008	0.002	0.016	00:00	0	97.2
18/04/2016	0.010	0.005	0.017	06:00	0	97.2
19/04/2016	0.014	0.006	0.024	21:00	0	97.2
20/04/2016	0.013	0.004	0.022	06:00	0	97.2
21/04/2016	0.014	0.007	0.023	06:00	0	97.2
22/04/2016	0.014	0.008	0.024	20:00	0	97.2
23/04/2016	0.009	0.004	0.016	05:00	0	97.2
24/04/2016	0.003	0.001	0.006	21:00	0	97.2
25/04/2016	0.004	0.002	0.006	06:00	0	97.2
26/04/2016	0.010	0.003	0.020	06:00	0	97.2
27/04/2016	0.012	0.004	0.021	07:00	0	97.2
28/04/2016	0.013	0.006	0.020	20:00	0	97.2
29/04/2016	0.017	0.007	0.030	09:00	0	97.2
30/04/2016	0.008	0.003	0.017	00:00	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

Table 25 Station 5 Nitrogen Dioxide Monthly Summary



### Carbon Monoxide Summary

Station 5 Cartwright St Ambient AQMS Carbon Monoxide Summary April 2016								
Date	24 hr Avg (ppm)	1 hr Avgs			8 hr Rolling Avgs		No. of exceedences 8hr Avg > 8.0 ppm	Capture Rate
		Min (ppm)	Max (ppm)	Time of Max	Max (ppm)	Time of Max		
1/04/2016	0.2	0.1	0.3	23:00	0.2	23:00	0	96.5
2/04/2016	0.1	0.0	0.3	00:00	0.2	05:00	0	95.8
3/04/2016	0.2	0.1	0.2	00:00	0.2	07:00	0	96.5
4/04/2016	0.1	0.1	0.2	07:00	0.2	13:00	0	96.9
5/04/2016	0.1	0.0	0.1	07:00	0.1	23:00	0	96.9
6/04/2016	0.1	0.0	0.3	22:00	0.2	23:00	0	96.9
7/04/2016	0.1	0.0	0.4	22:00	0.2	03:00	0	96.9
8/04/2016	0.1	0.0	0.3	07:00	0.2	08:00	0	96.9
9/04/2016	0.1	0.0	0.2	07:00	0.2	08:00	0	96.9
10/04/2016	0.1	0.0	0.2	00:00	0.2	04:00	0	96.9
11/04/2016	0.2	0.1	0.3	07:00	0.2	23:00	0	96.9
12/04/2016	0.1	0.1	0.3	00:00	0.3	01:00	0	96.9
13/04/2016	0.1	0.0	0.2	07:00	0.1	08:00	0	96.9
14/04/2016	0.1	0.0	0.2	08:00	0.1	11:00	0	94.1
15/04/2016	0.1	0.0	0.1	20:00	0.1	22:00	0	96.9
16/04/2016	0.1	0.0	0.2	23:00	0.1	23:00	0	96.9
17/04/2016	0.1	0.0	0.2	00:00	0.2	06:00	0	96.9
18/04/2016	0.1	0.0	0.2	22:00	0.1	23:00	0	96.9
19/04/2016	0.1	0.0	0.3	21:00	0.2	23:00	0	96.9
20/04/2016	0.2	0.0	0.4	06:00	0.2	03:00	0	96.9
21/04/2016	0.1	0.0	0.2	23:00	0.2	01:00	0	96.9
22/04/2016	0.2	0.0	0.5	22:00	0.2	23:00	0	96.9
23/04/2016	0.1	0.1	0.3	00:00	0.3	02:00	0	96.9
24/04/2016	0.0	0.0	0.0	14:00	0.1	00:00	0	96.9
25/04/2016	0.1	0.0	0.1	17:00	0.1	23:00	0	96.9
26/04/2016	0.1	0.1	0.2	07:00	0.1	10:00	0	96.9
27/04/2016	0.1	0.1	0.3	20:00	0.2	23:00	0	96.9
28/04/2016	0.1	0.0	0.4	22:00	0.2	00:00	0	96.9
29/04/2016	0.2	0.1	0.4	23:00	0.3	23:00	0	96.9
30/04/2016	0.1	0.0	0.3	00:00	0.3	01:00	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 26 Station 5 Carbon Monoxide Monthly Summary



*PM<sub>2.5</sub> Summary*

Station 5 Cartwright St Ambient AQMS Particulate PM2.5 Summary April 2016						
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		
1/04/2016	10.7	3.5	21.8	16:00	0	95.8
2/04/2016	9.1	2.0	21.1	17:00	0	95.8
3/04/2016	7.2	-0.5	21.8	17:00	0	100.0
4/04/2016	11.7	7.0	27.6	12:00	0	95.8
5/04/2016	9.2	2.0	26.9	18:00	0	95.8
6/04/2016	11.5	2.6	26.8	17:00	0	87.5
7/04/2016	12.5	3.8	34.0	17:00	0	87.5
8/04/2016	10.1	0.9	23.0	14:00	0	91.7
9/04/2016	9.7	0.9	23.7	17:00	0	100.0
10/04/2016	11.9	0.0	48.4	20:00	0	91.7
11/04/2016	10.8	2.9	24.9	17:00	0	91.7
12/04/2016	7.9	0.5	22.3	14:00	0	100.0
13/04/2016	13.2	1.1	30.5	17:00	0	91.7
14/04/2016	9.2	4.6	17.9	14:00	0	91.7
15/04/2016	6.9	0.7	18.5	12:00	0	95.8
16/04/2016	7.9	2.0	21.8	16:00	0	95.8
17/04/2016	6.8	0.3	16.0	01:00	0	95.8
18/04/2016	6.2	2.0	13.0	18:00	0	100.0
19/04/2016	7.2	0.7	16.9	15:00	0	100.0
20/04/2016	8.3	0.9	27.2	14:00	0	100.0
21/04/2016	6.3	-0.7	16.8	07:00	0	100.0
22/04/2016	8.4	0.8	23.3	19:00	0	91.7
23/04/2016	12.5	2.7	41.3	17:00	0	95.8
24/04/2016	10.6	5.3	15.5	05:00	0	100.0
25/04/2016	8.7	2.3	14.5	01:00	0	100.0
26/04/2016	7.9	3.4	14.5	18:00	0	95.8
27/04/2016	8.2	4.3	14.2	04:00	0	95.8
28/04/2016	9.6	-0.9	23.9	07:00	0	100.0
29/04/2016	10.6	5.6	15.7	19:00	0	100.0
30/04/2016	8.1	1.1	27.4	18:00	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 27 Station 5 PM<sub>2.5</sub> Monthly Summary



*PM<sub>10</sub> Summary*

Station 5 Cartwright St Ambient AQMS Particulate PM10 Summary April 2016						
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 $\mu\text{g}/\text{m}^3$	
1/04/2016	25.0	15.3	33.3	16:00	0	100.0
2/04/2016	24.4	10.0	67.5	02:00	0	100.0
3/04/2016	19.6	12.2	30.7	23:00	0	100.0
4/04/2016	34.3	20.4	77.3	13:00	0	100.0
5/04/2016	26.7	15.6	54.8	10:00	0	100.0
6/04/2016	27.5	13.9	39.3	16:00	0	100.0
7/04/2016	26.4	10.1	59.4	16:00	0	100.0
8/04/2016	24.7	9.6	48.0	11:00	0	100.0
9/04/2016	21.8	6.1	37.7	09:00	0	100.0
10/04/2016	17.6	6.4	54.8	20:00	0	100.0
11/04/2016	21.1	11.7	32.7	17:00	0	100.0
12/04/2016	19.8	11.2	29.9	14:00	0	100.0
13/04/2016	20.8	10.6	33.6	12:00	0	100.0
14/04/2016	18.2	7.1	27.2	00:00	0	95.8
15/04/2016	14.9	7.4	21.7	09:00	0	100.0
16/04/2016	17.2	9.6	23.7	22:00	0	100.0
17/04/2016	19.8	5.9	36.6	15:00	0	100.0
18/04/2016	19.5	11.0	34.7	14:00	0	100.0
19/04/2016	21.3	10.0	56.6	15:00	0	100.0
20/04/2016	19.5	7.4	40.6	14:00	0	100.0
21/04/2016	18.5	10.7	29.9	10:00	0	100.0
22/04/2016	22.4	9.0	40.6	12:00	0	100.0
23/04/2016	23.4	12.1	39.5	14:00	0	100.0
24/04/2016	27.4	15.9	36.7	16:00	0	100.0
25/04/2016	24.5	11.3	37.7	12:00	0	100.0
26/04/2016	30.4	12.5	128.5	14:00	0	100.0
27/04/2016	16.1	2.4	33.2	10:00	0	100.0
28/04/2016	24.6	12.1	42.6	14:00	0	100.0
29/04/2016	24.8	12.5	39.8	14:00	0	100.0
30/04/2016	24.6	12.0	39.9	12:00	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 28 Station 5 PM<sub>10</sub> Monthly Summary



## 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 General's criterion of 90  $\mu\text{g}/\text{m}^3$  was not exceeded during the reporting period at any of the five sites.

TSP Results April 2016					
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 CS ( $\mu\text{g}/\text{m}^3$ )
06/04/2016	35	37	35	38	47
12/04/2016	29	28	33	36	32
18/04/2016	26	31	25	30	33
24/04/2016	52	48	49	49	41
30/04/2016	24	40	23	25	25
Monthly Average	33.2	36.8	33.0	35.6	35.6

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					
Start Date	End Date	Affected Parameters	Details of change	Validation Date	Changed By
1/04/2016 10:35:00	27/04/2016 14:50:00	PM <sub>2.5</sub> , PM <sub>10</sub>	Intermittent unrealistic data less than -1.0 µg/m <sup>3</sup>	10/05/2016	CP
1/04/2016 12:05:00	30/04/2016 14:10:00	PM <sub>2.5</sub>	Intermittent instrument faults – error code logged	10/05/2016	CP
14/04/2016 13:30:00	14/04/2016 13:45:00	All parameters	Maintenance	10/05/2016	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					
Start Date	End Date	Affected Parameters	Details of change	Validation Date	Changed By
1/04/2016 00:30:00	30/04/2016 19:15:00	NO, NO <sub>2</sub> , NO <sub>x</sub>	Intermittent communication errors	10/05/2016	CP
4/04/2016 15:05:00	5/04/2016 00:25:00	CO	Power failure	10/05/2016	CP
14/04/2016 08:40:00	14/04/2016 09:30:00	All parameters	Maintenance	10/05/2016	CP
20/04/2016 09:10:00	21/04/2016 00:25:00	CO	Power failure	10/05/2016	CP
21/04/2016 09:20:00	23/04/2016 00:25:00	CO	Power failure	10/05/2016	CP
25/04/2016 09:00:00	27/04/2016 12:10:00	PM <sub>2.5</sub>	Power failure	10/05/2016	CP
25/04/2016 09:00:00	28/04/2016 00:25:00	CO	Power failure	10/05/2016	CP

Table 31 Station 2 Kedron High School AQMS Data Validation Table



## Station 3 Lewis Street

Station 3 Lewis Street Ambient AQMS Data Validation Table					
Start Date	End Date	Affected Parameters	Details of change	Validation Date	Changed By
1/04/2016 01:20:00	30/04/2016 23:55:00	PM <sub>2.5</sub>	Intermittent instrument faults – error code logged	10/05/2016	CP
1/04/2016 10:40:00	23/04/2016 03:50:00	PM <sub>2.5</sub> , PM <sub>10</sub>	Intermittent unrealistic data less than -1.0 µg/m <sup>3</sup>	10/05/2016	CP
14/04/2016 12:30:00	14/04/2016 13:10:00	All parameters	Maintenance	10/05/2016	CP

Table 32 Station 3 Lewis St AQMS Data Validation Table



## Station 4 Airport Link Operation Centre

Station 4 Airport Link Operation Centre Ambient AQMS Data Validation Table					
Start Date	End Date	Affected Parameters	Details of change	Validation Date	Changed By
1/04/2016 01:05:00	30/04/2016 23:05:00	PM <sub>2.5</sub>	Intermittent instrument faults – error code logged	10/05/2016	CP
3/04/2016 11:15:00	30/04/2016 15:50:00	PM <sub>2.5</sub> , PM <sub>10</sub>	Intermittent unrealistic data less than -1.0 µg/m <sup>3</sup>	10/05/2016	CP
14/04/2016 10:00:00	14/04/2016 10:50:00	All parameters	Maintenance	10/05/2016	CP
24/04/2016 00:30:00	25/04/2016 15:00:00	CO	Intermittent instrument faults	10/05/2016	CP

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



## Station 5 Cartwright St

Station 5 Cartwright Street Ambient AQMS Data Validation Table					
Start Date	End Date	Affected Parameters	Details of change	Validation Date	Changed By
1/04/2016 00:00:00	30/04/2016 23:05:00	PM <sub>2.5</sub> , PM <sub>10</sub>	Intermittent instrument faults – error code logged	10/05/2016	CP
1/04/2016 13:55:00	30/04/2016 03:50:00	PM <sub>2.5</sub>	Intermittent unrealistic data less than -1.0 µg/m <sup>3</sup>	10/05/2016	CP
14/04/2016 11:05:00	14/04/2016 11:40:00	All channels	Maintenance	10/05/2016	CP

Table 34 Station 5 Cartwright St AQMS Data Validation Table