



Ventia Pty Ltd

AirportlinkM7 Ambient Air Quality Monitoring Report

May 2017

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ENVIRONMENTAL MONITORING TECHNOLOGIES

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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

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

CS – Cartwright St

Executive Summary

Exceedance Reporting

There were zero readings over the relevant Air Quality Standards during the reporting period. It should be noted that the yearly averages are cumulative from the 1st of January and are an indication only until the December report.

AirportlinkM7 AQMS Exceedance Reporting May 2017							
Pollutant	Averaging period	Maximum Allowed Concentration	Number of Exceedences May 2017				
			Station 1 (AHS)	Station 2 (KSHS)	Station 3 (LS)	Station 4 (ALOC)	Station 5 (CS)
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	0.030 ppm	0	0	0	0	0
PM2.5	24 hour	25 µg/m ³	0	0	0	0	0
	1 year	8 µg/m ³	0	0	0	0	0
PM10	24 hour	50 µg/m ³	0	0	0	0	0
	1 Year	50 µg/m ³	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)
- 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

- 201705 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 ₂ NO _x	ppm	2.78%	AS 3580.5.1	30/05/2017	29/05/2017	30/05/2017	29/05/2017	30/05/2017
CO	ppm	2.56%	AS 3580.7.1	30/05/2017	29/05/2017	30/05/2017	29/05/2017	30/05/2017
PM ₁₀	µg/m ³	3.21 µg/m ³	AS 3580.9.11	30/05/2017*	29/05/2017	30/05/2017*	29/05/2017*	30/05/2017
PM _{2.5}	µg/m ³	3.21 µg/m ³	AS 3580.9.11 / EQPM 0308- 170	30/05/2017	29/05/2017	30/05/2017	29/05/2017	30/05/2017
TSP	µg/m ³	7.34%	AS 3580.9.3	18/04/2017	11/04/2017	11/04/2017	11/04/2017	11/04/2017

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.

Annual averages start from January 1st and contain the average of the current year's data.

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 May 2017						
Parameter	Unit	EPP Goal	Averaging Period	Maximum Value	Date & Time	Capture Rate
NO ₂	ppm	0.120	1 Hour	0.039	16/05/2017 18:00	96.9
NO ₂	ppm	0.030	12 Months	0.005	--	96.4
CO	ppm	8	8 Hours	0.7	27/05/2017 01:00	96.5
PM _{2.5}	µg/m3	25	24 Hours	7.9	24/05/2017	95.2
PM _{2.5}	µg/m3	8	12 Months	2.8	--	87.9
PM ₁₀	µg/m3	50	24 Hours	24.1	26/05/2017	98.5
PM ₁₀	µg/m3	50	12 Months	14.8	--	94.0

Table 4 Station 1 Monthly Summary

Graphical Representations

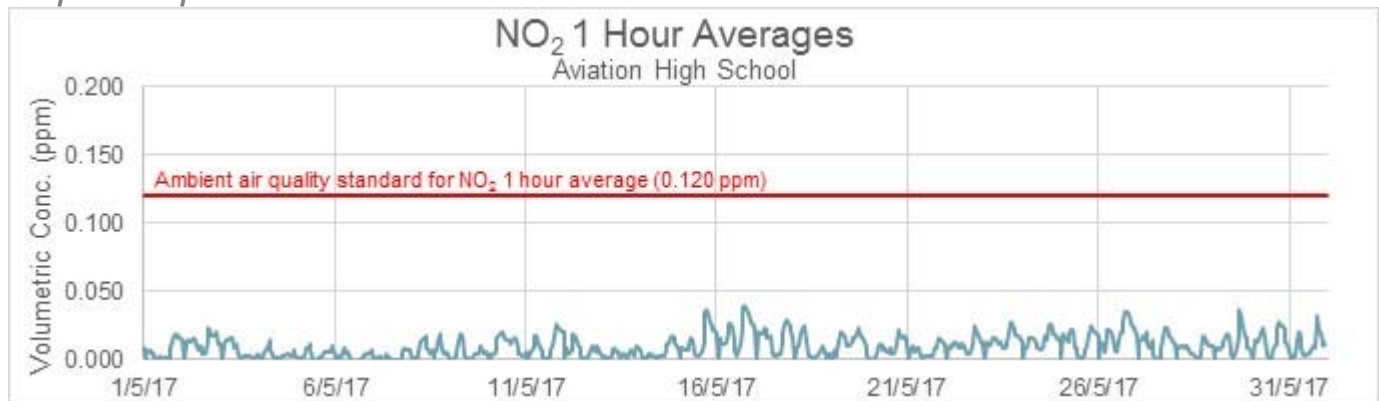


Figure 1 Station 1 Nitrogen Dioxide 1hr averages

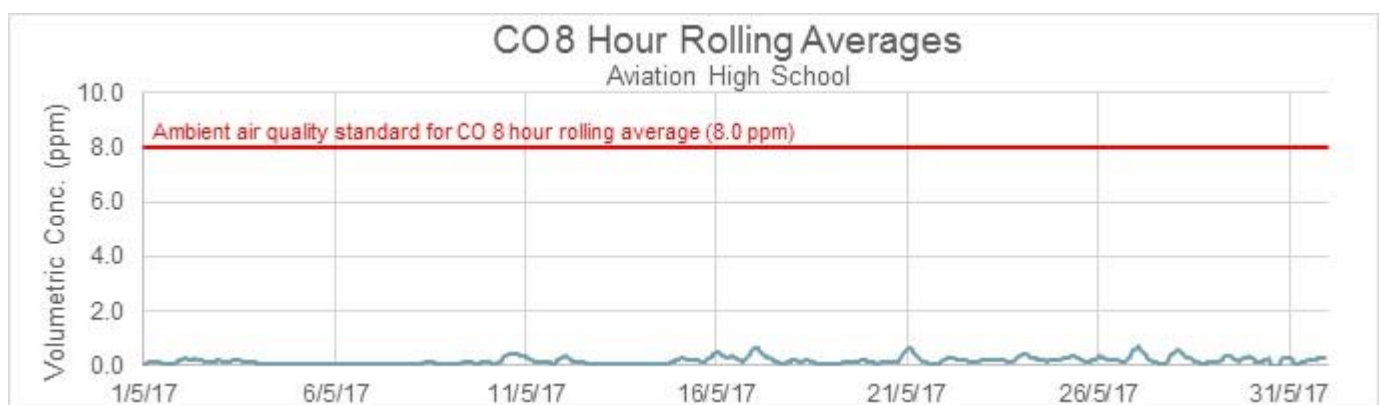


Figure 2 Station 1 Carbon Monoxide 8hr rolling averages

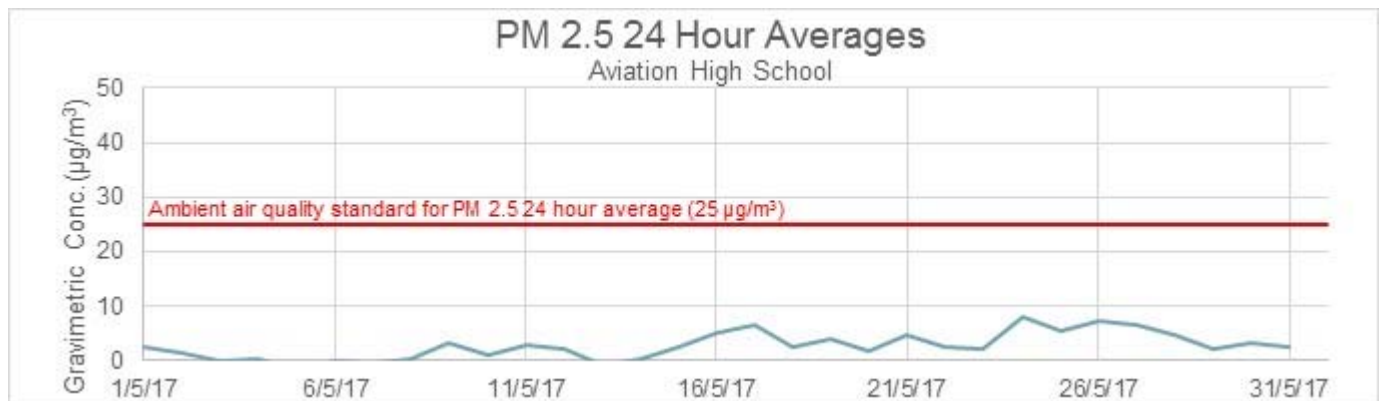


Figure 3 Station 1 PM2.5 24hr averages

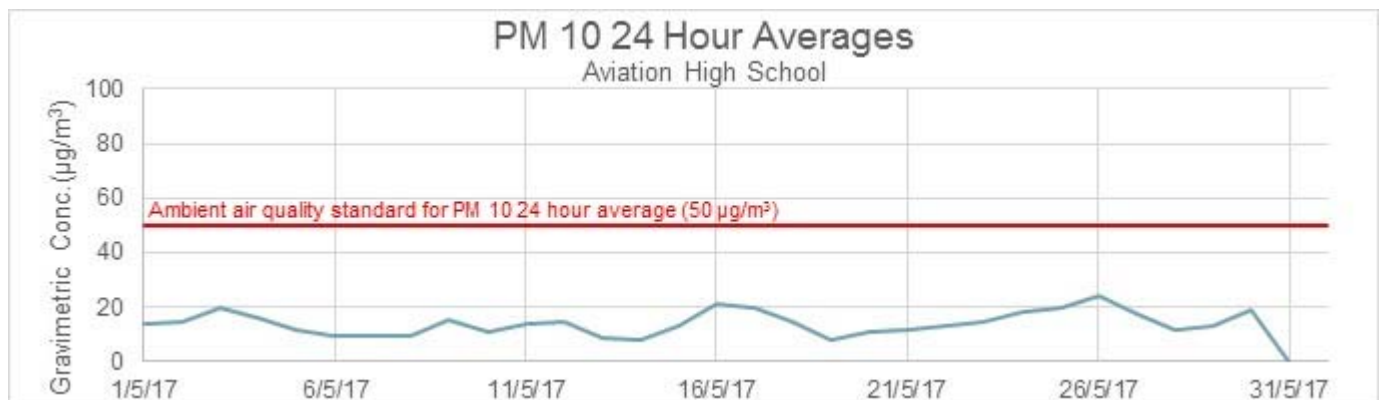


Figure 4 Station 1 PM10 24hr averages

Nitrogen Dioxide Summary

Station 1 Aviation High School Ambient AQMS Nitrogen Dioxide Summary May 2017						
Date	24hr Avg (ppm)	1 hr Avgs			Number of Exceedences 1hr Avg > 0.120 ppm	Capture Rate
		Min (ppm)	Max (ppm)	Time of Max		
1/05/2017	0.007	0.000	0.020	20:00	0	97.2
2/05/2017	0.013	0.005	0.024	17:00	0	97.2
3/05/2017	0.007	0.001	0.017	08:00	0	97.2
4/05/2017	0.004	-0.001	0.014	07:00	0	97.2
5/05/2017	0.004	0.000	0.012	08:00	0	97.2
6/05/2017	0.003	-0.001	0.009	06:00	0	97.2
7/05/2017	0.002	-0.001	0.008	20:00	0	97.2
8/05/2017	0.008	0.001	0.019	18:00	0	97.2
9/05/2017	0.005	0.000	0.019	07:00	0	97.2
10/05/2017	0.011	0.002	0.020	09:00	0	97.2
11/05/2017	0.011	0.000	0.027	19:00	0	97.2
12/05/2017	0.008	0.000	0.020	00:00	0	97.2
13/05/2017	0.004	0.001	0.010	22:00	0	97.2
14/05/2017	0.006	0.000	0.017	20:00	0	97.2
15/05/2017	0.014	0.002	0.036	18:00	0	97.2
16/05/2017	0.020	0.002	0.039	18:00	0	97.2
17/05/2017	0.017	0.003	0.029	20:00	0	97.2
18/05/2017	0.008	0.001	0.025	07:00	0	97.2
19/05/2017	0.013	0.003	0.023	17:00	0	97.2
20/05/2017	0.009	0.000	0.022	18:00	0	97.2
21/05/2017	0.007	0.001	0.016	20:00	0	97.2
22/05/2017	0.011	0.004	0.025	18:00	0	97.2
23/05/2017	0.015	0.009	0.027	17:00	0	97.2
24/05/2017	0.015	0.007	0.027	18:00	0	97.2
25/05/2017	0.014	0.001	0.025	20:00	0	97.2
26/05/2017	0.020	0.006	0.035	18:00	0	97.2
27/05/2017	0.013	0.001	0.023	19:00	0	97.2
28/05/2017	0.008	0.001	0.018	18:00	0	97.2
29/05/2017	0.013	0.002	0.036	17:00	0	97.2
30/05/2017	0.016	0.004	0.027	18:00	0	86.1
31/05/2017	0.011	0.001	0.032	18:00	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 May 2017								
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		
1/05/2017	0.1	0.0	0.4	21:00	0.2	23:00	0	96.9
2/05/2017	0.2	0.1	0.3	06:00	0.3	03:00	0	96.9
3/05/2017	0.1	0.1	0.3	07:00	0.2	08:00	0	96.9
4/05/2017	0.1	0.0	0.1	07:00	0.1	00:00	0	96.9
5/05/2017	0.1	0.0	0.2	08:00	0.1	09:00	0	96.9
6/05/2017	0.1	0.0	0.1	08:00	0.1	00:00	0	96.9
7/05/2017	0.1	0.0	0.1	09:00	0.1	05:00	0	96.9
8/05/2017	0.1	0.0	0.2	09:00	0.1	11:00	0	96.9
9/05/2017	0.1	0.0	0.3	08:00	0.1	11:00	0	96.9
10/05/2017	0.3	0.0	0.5	10:00	0.5	14:00	0	96.9
11/05/2017	0.2	0.1	0.5	20:00	0.3	00:00	0	96.9
12/05/2017	0.1	0.0	0.2	07:00	0.3	01:00	0	96.9
13/05/2017	0.1	0.0	0.1	22:00	0.1	11:00	0	96.9
14/05/2017	0.1	0.1	0.3	21:00	0.2	23:00	0	96.9
15/05/2017	0.3	0.1	0.5	21:00	0.5	23:00	0	96.9
16/05/2017	0.4	0.0	0.8	20:00	0.6	23:00	0	96.9
17/05/2017	0.2	0.0	0.6	00:00	0.7	01:00	0	96.9
18/05/2017	0.1	0.0	0.3	06:00	0.2	02:00	0	96.9
19/05/2017	0.1	0.1	0.3	08:00	0.2	21:00	0	96.9
20/05/2017	0.3	0.1	0.9	21:00	0.5	23:00	0	96.9
21/05/2017	0.2	0.0	0.6	00:00	0.6	02:00	0	96.9
22/05/2017	0.2	0.1	0.3	20:00	0.3	03:00	0	96.9
23/05/2017	0.2	0.1	0.6	21:00	0.4	23:00	0	96.9
24/05/2017	0.2	0.1	0.4	00:00	0.4	02:00	0	96.9
25/05/2017	0.3	0.1	0.5	07:00	0.3	08:00	0	96.9
26/05/2017	0.3	0.1	0.9	21:00	0.6	23:00	0	96.9
27/05/2017	0.3	0.0	0.9	21:00	0.7	01:00	0	96.9
28/05/2017	0.2	0.0	0.5	00:00	0.6	02:00	0	96.9
29/05/2017	0.3	0.1	0.7	07:00	0.3	10:00	0	96.9
30/05/2017	0.2	0.0	0.8	19:00	0.3	00:00	0	85.8
31/05/2017	0.2	0.0	0.6	17:00	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 6 Station 1 Carbon Monoxide Monthly Summary

PM_{2.5} Summary

Station 1 Aviation High School Ambient AQMS Particulate PM2.5 Summary May 2017						
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		
1/05/2017	2.4	-1.8	11.0	04:00	0	95.8
2/05/2017	1.5	-15.0	8.0	06:00	0	100.0
¹ 3/05/2017	-	0.1	7.8	09:00	0	70.8
4/05/2017	0.5	-3.8	3.9	08:00	0	100.0
5/05/2017	-1.6	-5.7	2.6	19:00	0	87.5
6/05/2017	0.0	-6.9	6.8	10:00	0	95.8
7/05/2017	-0.3	-3.6	2.9	05:00	0	95.8
8/05/2017	0.5	-4.5	7.7	20:00	0	95.8
9/05/2017	3.4	-2.6	6.9	09:00	0	100.0
10/05/2017	1.2	-3.6	6.4	11:00	0	91.7
11/05/2017	2.9	-2.7	14.6	23:00	0	95.8
12/05/2017	2.2	-2.0	10.0	08:00	0	100.0
13/05/2017	-0.7	-3.8	1.9	09:00	0	100.0
14/05/2017	0.3	-4.8	9.6	20:00	0	100.0
15/05/2017	2.5	-3.9	9.8	08:00	0	95.8
16/05/2017	5.1	-2.0	14.9	20:00	0	95.8
17/05/2017	6.6	-0.6	14.1	06:00	0	83.3
18/05/2017	2.5	-1.9	7.9	01:00	0	87.5
19/05/2017	3.8	-3.0	46.2	14:00	0	100.0
20/05/2017	1.6	-3.6	16.7	23:00	0	95.8
21/05/2017	4.8	-4.8	14.4	02:00	0	100.0
22/05/2017	2.7	-2.9	8.7	20:00	0	95.8
23/05/2017	2.1	-2.9	6.0	08:00	0	95.8
24/05/2017	7.9	-0.1	16.0	16:00	0	100.0
25/05/2017	5.5	-1.0	12.8	02:00	0	100.0
26/05/2017	7.2	-1.0	17.6	23:00	0	95.8
27/05/2017	6.4	-1.8	25.4	21:00	0	100.0
28/05/2017	4.7	-1.5	17.8	00:00	0	100.0
29/05/2017	2.2	-2.0	6.0	04:00	0	100.0
30/05/2017	3.4	-1.9	16.8	22:00	0	75.0
31/05/2017	2.6	-1.8	7.8	00:00	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 instrument fault

Table 7 Station 1 PM_{2.5} Monthly Summary

PM₁₀ Summary

Station 1 Aviation High School Ambient AQMS Particulate PM10 Summary May 2017						
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		
1/05/2017	14.0	8.2	20.9	19:00	0	100.0
2/05/2017	14.8	10.1	21.1	08:00	0	100.0
3/05/2017	19.9	9.4	39.1	15:00	0	100.0
4/05/2017	15.8	11.2	24.0	12:00	0	100.0
5/05/2017	12.0	7.3	24.3	19:00	0	100.0
6/05/2017	9.2	4.9	14.7	18:00	0	100.0
7/05/2017	9.1	5.1	12.7	14:00	0	100.0
8/05/2017	9.2	3.8	20.5	09:00	0	100.0
9/05/2017	15.5	6.2	26.8	09:00	0	100.0
10/05/2017	11.1	4.3	29.0	10:00	0	100.0
11/05/2017	14.2	7.7	22.3	19:00	0	100.0
12/05/2017	15.0	8.7	21.3	07:00	0	100.0
13/05/2017	8.5	4.3	13.1	11:00	0	100.0
14/05/2017	7.8	4.4	15.0	19:00	0	100.0
15/05/2017	13.2	4.8	24.6	08:00	0	100.0
16/05/2017	21.6	8.5	32.5	18:00	0	100.0
17/05/2017	19.5	14.9	24.9	10:00	0	100.0
18/05/2017	14.4	7.5	21.6	07:00	0	100.0
19/05/2017	7.8	2.9	11.5	06:00	0	100.0
20/05/2017	10.7	1.1	28.4	21:00	0	100.0
21/05/2017	11.8	3.1	17.6	07:00	0	100.0
22/05/2017	12.9	6.3	24.2	19:00	0	100.0
23/05/2017	14.9	8.0	23.7	17:00	0	100.0
24/05/2017	18.5	8.0	36.8	14:00	0	100.0
25/05/2017	20.0	9.0	29.2	17:00	0	100.0
26/05/2017	24.1	12.8	38.9	15:00	0	100.0
27/05/2017	17.4	6.6	32.4	21:00	0	100.0
28/05/2017	11.6	4.8	24.2	07:00	0	100.0
29/05/2017	12.8	1.5	30.8	07:00	0	100.0
30/05/2017	19.0	5.5	29.9	07:00	0	87.5
¹ 31/05/2017	-	5.1	22.8	16:00	0	66.7

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 instrument fault

Table 8 Station 1 PM₁₀ Monthly Summary

Station 2 (Kedron State High School)

Summary

Station 2 Kedron State High School Ambient AQMS Summary May 2017						
Parameter	Unit	EPP Goal	Averaging Period	Maximum Value	Date & Time	Capture Rate
NO ₂	ppm	0.120	1 Hour	0.034	16/05/2017 20:00	96.7
NO ₂	ppm	0.030	12 Months	0.008	--	90.4
CO	ppm	8	8 Hours	0.5	28/05/2017 02:00	96.4
PM _{2.5}	µg/m3	25	24 Hours	12.3	17/05/2017	99.5
PM _{2.5}	µg/m3	8	12 Months	6.1	--	97.1
PM ₁₀	µg/m3	50	24 Hours	20.2	26/05/2017	94.4
PM ₁₀	µg/m3	50	12 Months	14.0	--	93.1

Table 9 Station 2 Monthly Summary

Graphical Representations

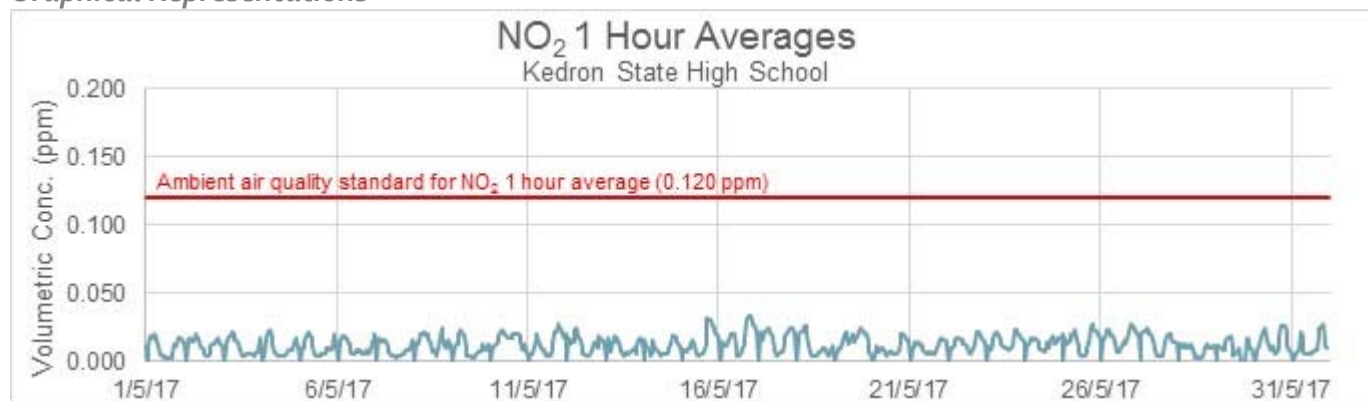


Figure 5 Station 2 Dioxide 1hr averages

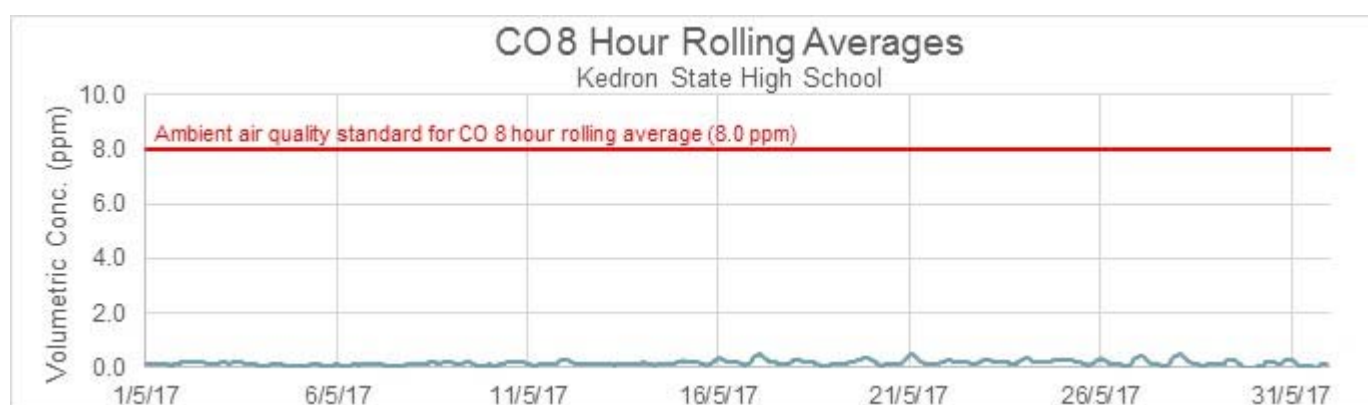


Figure 6 Station 2 Carbon Monoxide 8hr rolling averages

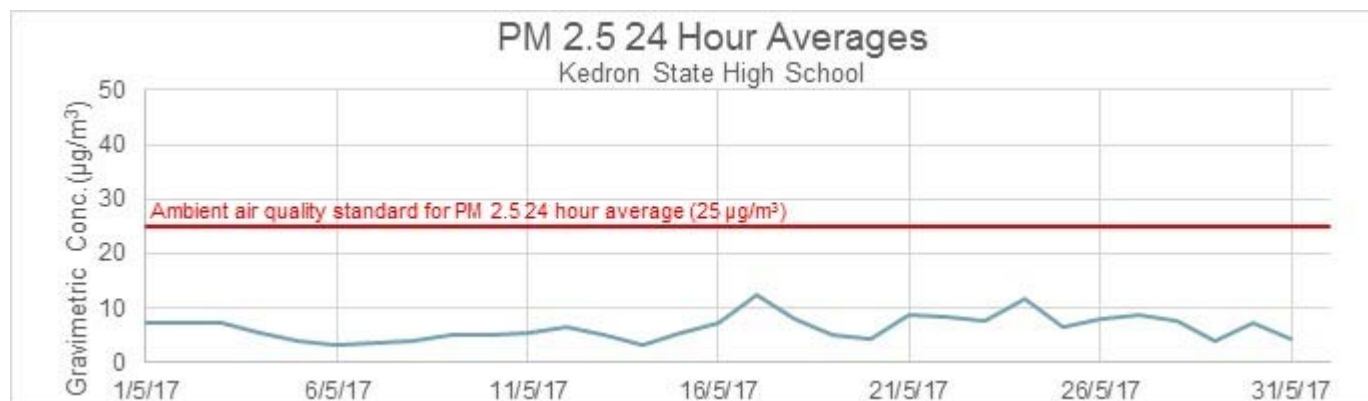


Figure 7 Station 2 PM2.5 24hr averages

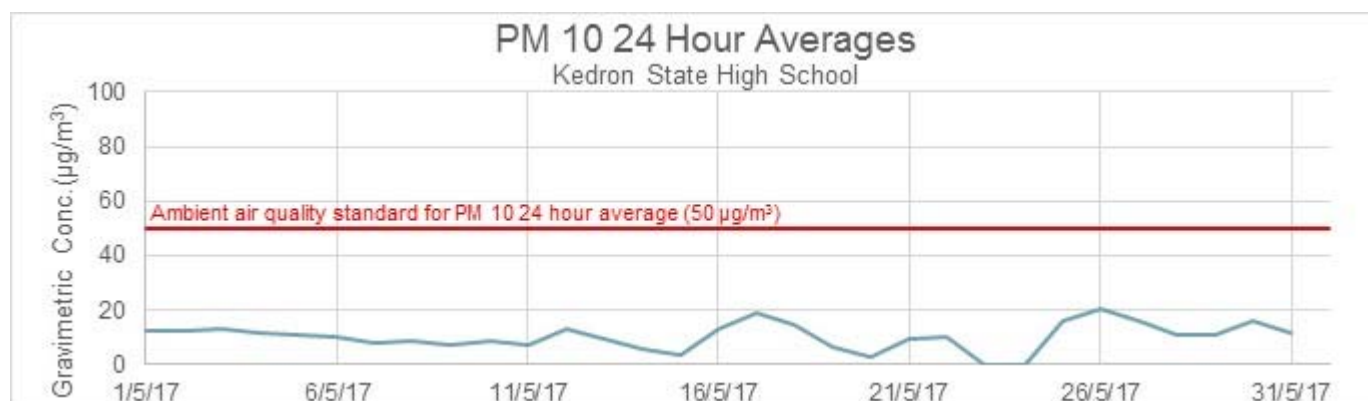


Figure 8 Station 2 PM10 24hr averages

Nitrogen Dioxide Summary

Station 2 KSHS Ambient AQMS Nitrogen Dioxide Summary May 2017						
Date	24hr Avg (ppm)	1 hr Aves			Number of Exceedences 1hr Avg > 0.120 ppm	Capture Rate
		Min (ppm)	Max (ppm)	Time of Max		
1/05/2017	0.011	0.003	0.020	05:00	0	97.2
2/05/2017	0.013	0.004	0.020	07:00	0	97.2
3/05/2017	0.010	0.004	0.023	06:00	0	97.2
4/05/2017	0.011	0.004	0.023	06:00	0	97.2
5/05/2017	0.011	0.004	0.022	06:00	0	97.2
6/05/2017	0.011	0.006	0.019	05:00	0	97.2
7/05/2017	0.010	0.003	0.020	00:00	0	97.2
8/05/2017	0.015	0.005	0.025	18:00	0	97.2
9/05/2017	0.010	0.003	0.023	06:00	0	97.2
10/05/2017	0.016	0.007	0.023	08:00	0	97.2
11/05/2017	0.013	0.004	0.028	19:00	0	97.2
12/05/2017	0.013	0.005	0.024	07:00	0	97.2
13/05/2017	0.011	0.005	0.019	07:00	0	97.2
14/05/2017	0.010	0.004	0.019	19:00	0	97.2
15/05/2017	0.014	0.004	0.032	17:00	0	97.2
16/05/2017	0.018	0.003	0.034	20:00	0	97.2
17/05/2017	0.017	0.004	0.025	21:00	0	97.2
18/05/2017	0.012	0.004	0.026	07:00	0	97.2
19/05/2017	0.016	0.005	0.025	17:00	0	97.2
20/05/2017	0.010	0.004	0.020	19:00	0	97.2
21/05/2017	0.011	0.005	0.017	20:00	0	97.2
22/05/2017	0.014	0.006	0.022	19:00	0	97.2
23/05/2017	0.015	0.008	0.024	18:00	0	97.2
24/05/2017	0.014	0.007	0.019	18:00	0	97.2
25/05/2017	0.016	0.004	0.027	19:00	0	97.2
26/05/2017	0.018	0.006	0.028	19:00	0	97.2
27/05/2017	0.015	0.003	0.025	05:00	0	97.2
28/05/2017	0.009	0.003	0.014	03:00	0	97.2
29/05/2017	0.012	0.004	0.020	10:00	0	82.3
30/05/2017	0.015	0.006	0.026	18:00	0	97.2
31/05/2017	0.012	0.005	0.027	20:00	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 10 Station 2 Nitrogen Dioxide Monthly Summary

Carbon Monoxide Summary

Station 2 KSHS Ambient AQMS Carbon Monoxide Summary May 2017								
Date	24 hr Avg (ppm)	1 hr Avgs			8 hr Rolling Avgs		No. of exceedances 8hr Avg > 8.0 ppm	Capture Rate
		Min (ppm)	Max (ppm)	Time of Max	Max (ppm)	Time of Max		
1/05/2017	0.2	0.1	0.3	22:00	0.2	23:00	0	96.9
2/05/2017	0.2	0.1	0.3	07:00	0.2	01:00	0	96.9
3/05/2017	0.1	0.1	0.3	07:00	0.2	11:00	0	96.9
4/05/2017	0.1	0.1	0.2	06:00	0.1	11:00	0	96.9
5/05/2017	0.1	0.1	0.2	06:00	0.1	09:00	0	96.9
6/05/2017	0.1	0.1	0.2	22:00	0.1	23:00	0	96.9
7/05/2017	0.1	0.1	0.2	21:00	0.1	23:00	0	96.9
8/05/2017	0.2	0.1	0.3	18:00	0.2	22:00	0	96.9
9/05/2017	0.1	0.1	0.3	06:00	0.2	00:00	0	96.9
10/05/2017	0.2	0.1	0.3	17:00	0.2	18:00	0	96.9
11/05/2017	0.2	0.1	0.4	20:00	0.3	23:00	0	96.9
12/05/2017	0.1	0.1	0.2	07:00	0.3	00:00	0	96.9
13/05/2017	0.1	0.1	0.2	22:00	0.2	23:00	0	96.9
14/05/2017	0.2	0.1	0.3	20:00	0.2	23:00	0	96.9
15/05/2017	0.2	0.0	0.4	07:00	0.3	23:00	0	96.9
16/05/2017	0.3	0.0	0.7	22:00	0.4	23:00	0	96.9
17/05/2017	0.2	0.1	0.5	00:00	0.5	01:00	0	96.9
18/05/2017	0.1	0.1	0.4	07:00	0.3	01:00	0	96.9
19/05/2017	0.2	0.1	0.4	17:00	0.4	21:00	0	96.9
20/05/2017	0.2	0.1	0.6	21:00	0.4	23:00	0	96.9
21/05/2017	0.2	0.1	0.5	00:00	0.5	02:00	0	96.9
22/05/2017	0.2	0.1	0.4	21:00	0.3	23:00	0	96.9
23/05/2017	0.2	0.1	0.5	21:00	0.3	01:00	0	96.9
24/05/2017	0.2	0.2	0.4	23:00	0.3	01:00	0	96.9
25/05/2017	0.2	0.1	0.5	21:00	0.3	00:00	0	96.9
26/05/2017	0.2	0.0	0.6	21:00	0.4	23:00	0	96.9
27/05/2017	0.2	0.0	0.6	22:00	0.4	02:00	0	96.9
28/05/2017	0.1	0.1	0.5	00:00	0.5	02:00	0	96.9
29/05/2017	0.2	0.0	0.6	07:00	0.3	10:00	0	81.9
30/05/2017	0.2	0.0	0.5	20:00	0.3	22:00	0	96.9
31/05/2017	0.1	0.0	0.3	18:00	0.3	0:00	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 11 Station 2 Carbon Monoxide Monthly Summary

PM_{2.5} Summary

Station 2 KSHS Ambient AQMS Particulate PM _{2.5} Summary May 2017						
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		
1/05/2017	7.4	3.1	11.4	06:00	0	100.0
2/05/2017	7.2	4.6	13.3	06:00	0	100.0
3/05/2017	7.2	3.1	12.6	22:00	0	100.0
4/05/2017	5.5	3.0	9.5	08:00	0	100.0
5/05/2017	3.8	1.7	8.9	10:00	0	100.0
6/05/2017	3.3	1.2	8.8	10:00	0	100.0
7/05/2017	3.6	1.1	7.5	10:00	0	100.0
8/05/2017	4.1	1.8	9.7	08:00	0	100.0
9/05/2017	5.1	3.0	8.1	06:00	0	100.0
10/05/2017	5.1	2.3	9.2	10:00	0	100.0
11/05/2017	5.5	3.5	12.1	12:00	0	100.0
12/05/2017	6.4	1.6	10.8	10:00	0	100.0
13/05/2017	5.0	2.5	9.4	00:00	0	100.0
14/05/2017	3.4	1.3	7.5	22:00	0	100.0
15/05/2017	5.4	0.9	17.6	10:00	0	100.0
16/05/2017	7.2	3.8	13.2	14:00	0	100.0
17/05/2017	12.3	5.6	23.3	08:00	0	100.0
18/05/2017	8.0	2.6	14.9	08:00	0	100.0
19/05/2017	5.0	2.7	10.5	18:00	0	100.0
20/05/2017	4.4	1.9	16.4	22:00	0	100.0
21/05/2017	8.9	2.9	15.6	06:00	0	100.0
22/05/2017	8.4	3.6	15.6	10:00	0	100.0
23/05/2017	7.7	2.5	14.8	08:00	0	100.0
24/05/2017	11.8	2.6	27.8	10:00	0	100.0
25/05/2017	6.7	1.6	14.8	20:00	0	100.0
26/05/2017	8.2	2.7	15.3	20:00	0	100.0
27/05/2017	8.9	2.1	16.6	08:00	0	100.0
28/05/2017	7.6	1.9	27.5	10:00	0	100.0
29/05/2017	4.1	1.2	8.4	12:00	0	83.3
30/05/2017	7.3	1.8	16.6	20:00	0	100.0
31/05/2017	4.4	1.7	9.5	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

Table 12 Station 2 PM_{2.5} Monthly Summary

PM₁₀ Summary

Station 2 KSHS Ambient AQMS Particulate PM10 Summary May 2017						
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		
1/05/2017	12.1	5.5	19.9	08:00	0	100.0
2/05/2017	12.1	5.3	27.1	20:00	0	100.0
3/05/2017	12.8	3.1	26.6	20:00	0	100.0
4/05/2017	11.5	4.3	17.9	00:00	0	100.0
5/05/2017	10.8	6.3	16.8	04:00	0	100.0
6/05/2017	9.9	4.5	14.8	18:00	0	100.0
7/05/2017	8.3	3.6	15.6	20:00	0	100.0
8/05/2017	9.1	2.3	22.4	14:00	0	100.0
9/05/2017	7.2	2.5	11.7	22:00	0	100.0
10/05/2017	9.1	3.7	17.9	04:00	0	100.0
11/05/2017	7.1	1.7	16.8	18:00	0	100.0
12/05/2017	13.3	8.4	21.6	10:00	0	100.0
13/05/2017	9.2	3.6	18.0	14:00	0	100.0
14/05/2017	5.9	2.0	13.1	18:00	0	100.0
15/05/2017	3.8	0.8	14.5	08:00	0	100.0
16/05/2017	12.9	5.2	24.4	10:00	0	100.0
17/05/2017	19.2	12.8	33.4	10:00	0	100.0
18/05/2017	14.4	5.2	22.4	10:00	0	100.0
19/05/2017	6.7	3.3	18.4	00:00	0	100.0
20/05/2017	3.0	1.3	10.9	22:00	0	100.0
21/05/2017	9.7	1.0	28.0	08:00	0	100.0
22/05/2017	9.9	4.4	20.7	22:00	0	100.0
¹ 23/05/2017	-	7.6	12.5	00:00	0	20.8
¹ 24/05/2017	-	2.2	6.5	22:00	0	20.8
25/05/2017	16.2	3.2	30.0	22:00	0	100.0
26/05/2017	20.2	11.9	31.8	20:00	0	100.0
27/05/2017	15.8	7.7	23.0	12:00	0	100.0
28/05/2017	10.6	6.7	19.4	20:00	0	100.0
29/05/2017	10.6	5.5	19.5	10:00	0	83.3
30/05/2017	16.1	5.4	29.1	20:00	0	100.0
31/05/2017	11.5	4.5	26.1	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

¹ Loss of data due to instrument fault

Table 13 Station 2 PM₁₀ Monthly Summary

Station 3 (Lewis Street)

Summary

Station 3 Lewis St Ambient AQMS Summary May 2017						
Parameter	Unit	EPP Goal	Averaging Period	Maximum Value	Date & Time	Capture Rate
NO ₂	ppm	0.120	1 Hour	0.035	16/05/2017 18:00	96.4
NO ₂	ppm	0.030	12 Months	0.008	--	79.3
CO	ppm	8	8 Hours	0.7	27/05/2017 01:00	95.8
PM _{2.5}	µg/m3	25	24 Hours	16.4	17/05/2017	76.5
PM _{2.5}	µg/m3	8	12 Months	5.8	--	79.2
PM ₁₀	µg/m3	50	24 Hours	20.5	26/05/2017	99.1
PM ₁₀	µg/m3	50	12 Months	13.3	--	90.9

Table 14 Station 3 Monthly Summary

Graphical Representations

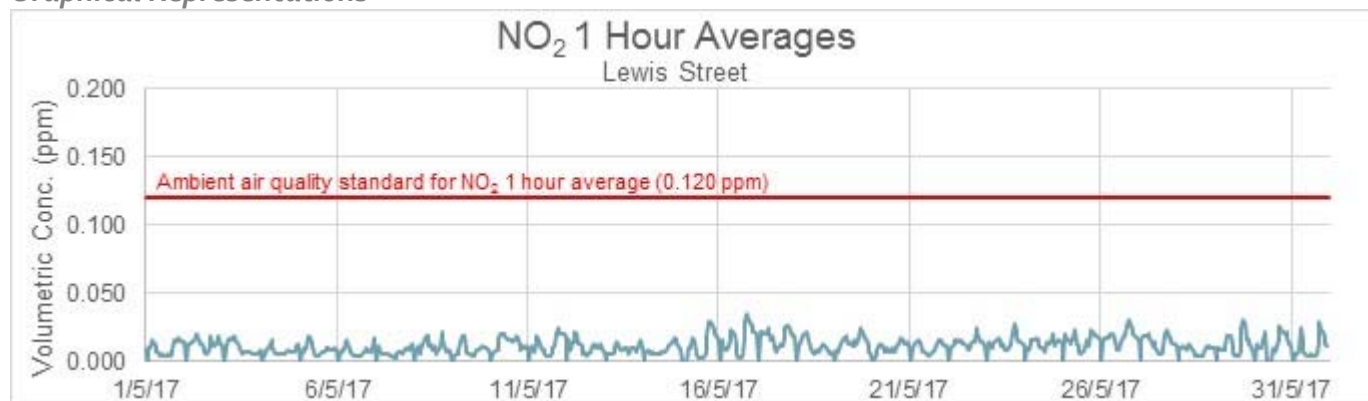


Figure 9 Station 3 Nitrogen Dioxide 1hr averages

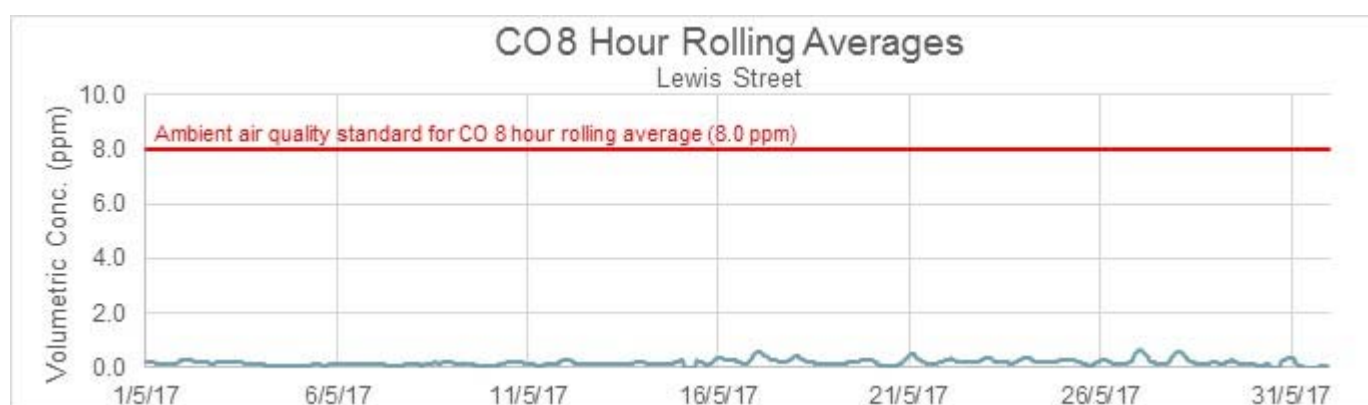


Figure 10 Station 3 Carbon Monoxide 8hr rolling averages



Figure 11 Station 3 PM2.5 24hr averages

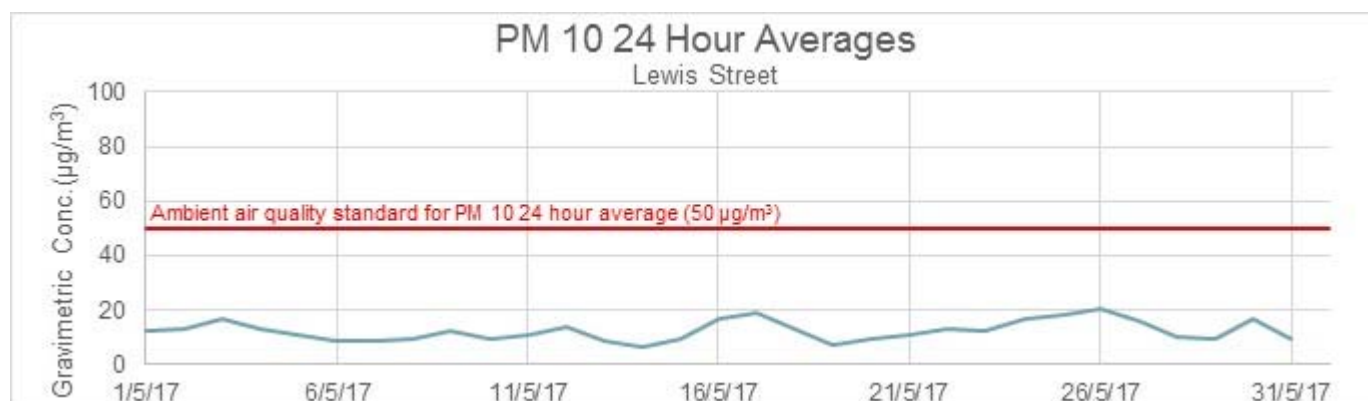


Figure 12 Station 3 PM10 24hr averages

Nitrogen Dioxide Summary

Station 3 Lewis St Ambient AQMS Nitrogen Dioxide Summary May 2017						
Date	24hr Avg (ppm)	1 hr Avgs			Number of Exceedences 1hr Avg > 0.120 ppm	Capture Rate
		Min (ppm)	Max (ppm)	Time of Max		
1/05/2017	0.010	0.004	0.018	20:00	0	97.2
2/05/2017	0.014	0.006	0.020	08:00	0	97.2
3/05/2017	0.010	0.005	0.020	07:00	0	97.2
4/05/2017	0.008	0.004	0.016	07:00	0	97.2
5/05/2017	0.009	0.005	0.018	06:00	0	97.2
6/05/2017	0.008	0.004	0.018	23:00	0	97.2
7/05/2017	0.007	0.003	0.014	00:00	0	97.2
8/05/2017	0.011	0.005	0.021	18:00	0	97.2
9/05/2017	0.009	0.004	0.019	07:00	0	97.2
10/05/2017	0.014	0.005	0.021	09:00	0	96.9
11/05/2017	0.013	0.004	0.025	19:00	0	97.2
12/05/2017	0.012	0.005	0.022	06:00	0	97.2
13/05/2017	0.009	0.005	0.016	23:00	0	96.9
14/05/2017	0.009	0.005	0.017	20:00	0	97.2
15/05/2017	0.013	0.003	0.030	18:00	0	87.5
16/05/2017	0.017	0.003	0.035	18:00	0	97.2
17/05/2017	0.019	0.008	0.026	19:00	0	97.2
18/05/2017	0.012	0.005	0.022	07:00	0	97.2
19/05/2017	0.015	0.006	0.024	17:00	0	97.2
20/05/2017	0.010	0.003	0.018	19:00	0	97.2
21/05/2017	0.011	0.005	0.016	20:00	0	97.2
22/05/2017	0.014	0.008	0.026	18:00	0	97.2
23/05/2017	0.014	0.008	0.027	18:00	0	97.2
24/05/2017	0.013	0.008	0.020	18:00	0	97.2
25/05/2017	0.015	0.006	0.023	08:00	0	97.2
26/05/2017	0.018	0.008	0.030	18:00	0	97.2
27/05/2017	0.015	0.006	0.024	18:00	0	97.2
28/05/2017	0.009	0.004	0.014	08:00	0	97.2
29/05/2017	0.013	0.004	0.031	18:00	0	97.2
30/05/2017	0.016	0.006	0.026	17:00	0	83.0
31/05/2017	0.011	0.004	0.029	18:00	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 May 2017								
Date	24 hr Avg (ppm)	1 hr Avgs			8 hr Rolling Avgs		No. of exceedances 8hr Avg > 8.0 ppm	Capture Rate
		Min (ppm)	Max (ppm)	Time of Max	Max (ppm)	Time of Max		
1/05/2017	0.2	0.1	0.4	22:00	0.3	23:00	0	96.5
2/05/2017	0.2	0.1	0.4	07:00	0.3	01:00	0	96.5
3/05/2017	0.2	0.1	0.3	07:00	0.2	00:00	0	96.5
4/05/2017	0.1	0.1	0.1	07:00	0.1	00:00	0	96.5
5/05/2017	0.1	0.1	0.2	07:00	0.1	23:00	0	96.5
6/05/2017	0.1	0.1	0.2	19:00	0.2	23:00	0	96.5
7/05/2017	0.1	0.1	0.2	00:00	0.2	01:00	0	96.5
8/05/2017	0.2	0.1	0.3	18:00	0.2	23:00	0	96.5
9/05/2017	0.1	0.1	0.2	08:00	0.2	00:00	0	96.5
10/05/2017	0.2	0.1	0.2	09:00	0.2	15:00	0	96.5
11/05/2017	0.2	0.1	0.4	21:00	0.3	23:00	0	96.5
12/05/2017	0.2	0.1	0.2	00:00	0.3	01:00	0	96.5
13/05/2017	0.2	0.1	0.3	23:00	0.2	23:00	0	96.2
14/05/2017	0.2	0.1	0.3	22:00	0.2	23:00	0	96.5
15/05/2017	0.2	0.1	0.5	20:00	0.3	23:00	0	86.8
16/05/2017	0.3	0.1	0.7	22:00	0.5	23:00	0	96.5
17/05/2017	0.3	0.2	0.6	00:00	0.6	01:00	0	96.5
18/05/2017	0.2	0.1	0.4	00:00	0.4	01:00	0	96.5
19/05/2017	0.2	0.1	0.4	17:00	0.3	21:00	0	96.5
20/05/2017	0.2	0.1	0.6	21:00	0.4	23:00	0	96.5
21/05/2017	0.2	0.1	0.5	00:00	0.5	02:00	0	96.5
22/05/2017	0.3	0.1	0.5	21:00	0.3	23:00	0	96.5
23/05/2017	0.2	0.1	0.5	22:00	0.4	01:00	0	96.5
24/05/2017	0.2	0.1	0.4	00:00	0.4	01:00	0	96.5
25/05/2017	0.2	0.0	0.4	21:00	0.3	01:00	0	96.5
26/05/2017	0.3	0.1	0.9	22:00	0.6	23:00	0	96.9
27/05/2017	0.3	0.1	0.8	21:00	0.7	01:00	0	96.9
28/05/2017	0.2	0.1	0.5	00:00	0.6	02:00	0	96.9
29/05/2017	0.2	0.0	0.5	18:00	0.2	11:00	0	96.9
30/05/2017	0.2	0.0	0.7	20:00	0.4	22:00	0	82.6
31/05/2017	0.0	-0.1	0.3	18:00	0.4	0:00	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 May 2017						
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		
1/05/2017	8.3	4.0	14.1	23:00	0	100.0
2/05/2017	4.6	-1.7	16.4	07:00	0	95.8
3/05/2017	10.6	5.0	21.1	08:00	0	100.0
4/05/2017	8.1	5.0	11.6	01:00	0	95.8
5/05/2017	7.8	3.1	14.9	13:00	0	100.0
6/05/2017	7.1	1.3	14.3	20:00	0	100.0
7/05/2017	8.2	2.4	18.0	01:00	0	100.0
8/05/2017	9.6	4.0	15.7	10:00	0	100.0
9/05/2017	8.9	3.1	16.4	16:00	0	95.8
10/05/2017	11.4	5.1	18.1	03:00	0	100.0
11/05/2017	10.5	5.7	17.0	21:00	0	100.0
12/05/2017	13.0	8.2	18.3	07:00	0	100.0
13/05/2017	10.6	3.8	17.0	14:00	0	100.0
14/05/2017	11.0	3.2	17.2	23:00	0	100.0
15/05/2017	14.3	6.2	26.9	09:00	0	87.5
16/05/2017	16.0	7.4	26.7	09:00	0	100.0
17/05/2017	16.4	7.5	27.0	02:00	0	100.0
18/05/2017	12.3	5.5	16.9	09:00	0	91.7
¹ 19/05/2017	-	-	-	-	0	0.0
¹ 20/05/2017	-	-	-	-	0	0.0
¹ 21/05/2017	-	-	-	-	0	0.0
¹ 22/05/2017	-	-	-	-	0	0.0
¹ 23/05/2017	-	10.1	14.6	19:00	0	20.8
² 24/05/2017	-	9.3	24.7	11:00	0	62.5
² 25/05/2017	-	-	-	-	0	0.0
² 26/05/2017	-	6.7	24.2	21:00	0	37.5
27/05/2017	11.9	1.0	28.3	21:00	0	100.0
28/05/2017	7.3	2.2	17.3	01:00	0	100.0
29/05/2017	5.2	-1.2	12.2	20:00	0	100.0
30/05/2017	6.9	1.6	15.1	20:00	0	83.3
31/05/2017	4.8	-1.0	12.5	0:00	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 instrument fault

² Loss of data due to maintenance

Table 17 Station 3 PM_{2.5} Monthly Summary

PM₁₀ Summary

Station 3 Lewis St Ambient AQMS Particulate PM10 Summary May 2017						
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		
1/05/2017	12.0	1.7	21.7	13:00	0	100.0
2/05/2017	13.2	-6.7	37.1	07:00	0	100.0
3/05/2017	16.7	6.0	36.0	13:00	0	100.0
4/05/2017	13.4	6.8	18.5	17:00	0	100.0
5/05/2017	10.7	4.0	21.1	17:00	0	100.0
6/05/2017	8.8	-3.8	19.0	17:00	0	100.0
7/05/2017	8.4	0.5	19.5	14:00	0	100.0
8/05/2017	9.3	-7.4	21.9	09:00	0	100.0
9/05/2017	12.5	4.3	19.8	18:00	0	100.0
10/05/2017	9.4	3.8	17.7	00:00	0	100.0
11/05/2017	11.2	3.4	20.8	19:00	0	100.0
12/05/2017	14.0	5.3	22.1	07:00	0	100.0
13/05/2017	8.5	0.0	22.0	11:00	0	100.0
14/05/2017	6.5	3.0	14.8	16:00	0	100.0
15/05/2017	9.7	-5.5	30.0	07:00	0	87.5
16/05/2017	17.0	-2.5	32.9	16:00	0	100.0
17/05/2017	19.0	13.3	29.6	07:00	0	100.0
18/05/2017	13.5	3.0	22.7	14:00	0	100.0
19/05/2017	7.3	1.5	12.0	07:00	0	100.0
20/05/2017	9.3	-1.8	23.8	20:00	0	100.0
21/05/2017	10.7	-6.6	41.0	07:00	0	100.0
22/05/2017	12.8	-0.3	45.6	07:00	0	100.0
23/05/2017	12.5	-6.4	55.1	07:00	0	100.0
24/05/2017	16.8	4.7	42.7	07:00	0	100.0
25/05/2017	18.4	2.3	33.1	07:00	0	100.0
26/05/2017	20.5	8.6	36.3	15:00	0	100.0
27/05/2017	16.2	0.7	58.0	07:00	0	100.0
28/05/2017	10.0	-3.9	51.1	07:00	0	100.0
29/05/2017	9.3	-17.5	50.2	07:00	0	100.0
30/05/2017	16.8	4.1	35.9	14:00	0	83.3
31/05/2017	9.5	-12.2	35.6	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 18 Station 3 PM₁₀ Monthly Summary

Station 4 (Airportlink Operation Centre)

Summary

Station 4 Airportlink Operation Centre Ambient AQMS Summary May 2017						
Parameter	Unit	EPP Goal	Averaging Period	Maximum Value	Date & Time	Capture Rate
NO ₂	ppm	0.120	1 Hour	0.045	31/05/2017 17:00	96.7
NO ₂	ppm	0.030	12 Months	0.011	--	96.6
CO	ppm	8	8 Hours	0.5	27/05/2017 01:00	96.0
PM _{2.5}	µg/m3	25	24 Hours	13.8	26/05/2017	99.5
PM _{2.5}	µg/m3	8	12 Months	7.5	--	98.8
PM ₁₀	µg/m3	50	24 Hours	20.6	26/05/2017	99.5
PM ₁₀	µg/m3	50	12 Months	14.1	--	94.6

Table 19 Station 4 Monthly Summary

Graphical Representations

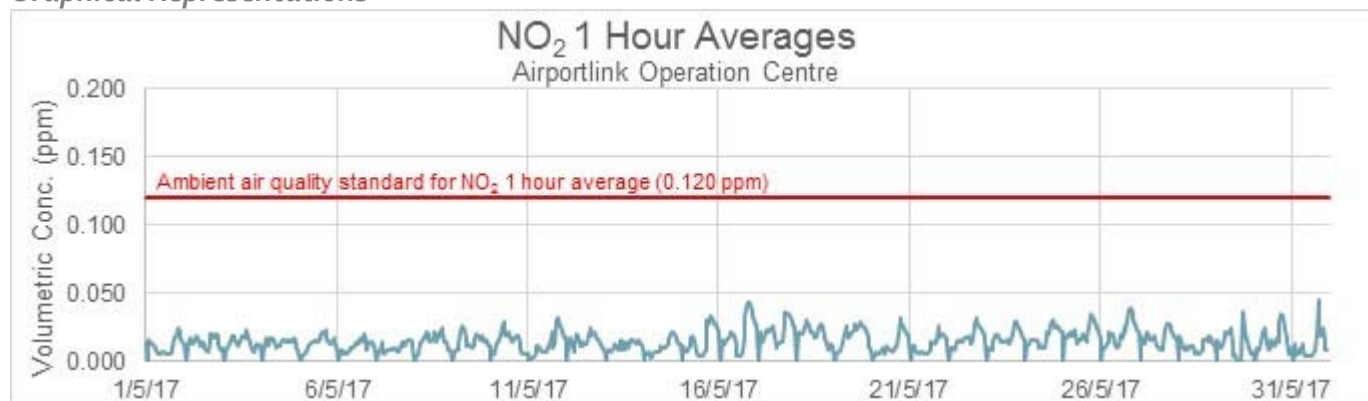


Figure 13 Station 4 Nitrogen Dioxide 1hr averages



Figure 14 Station 4 Carbon Monoxide 8hr rolling averages

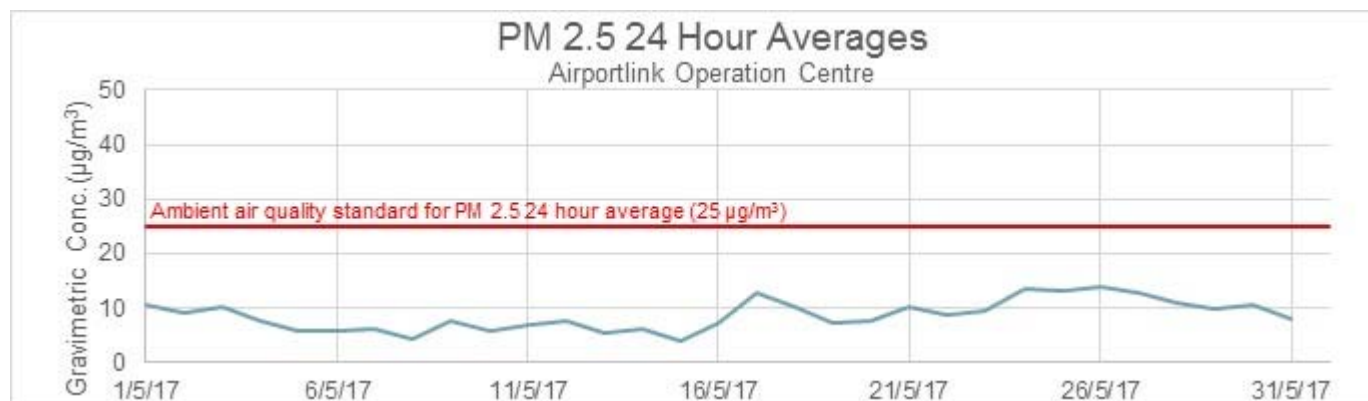


Figure 15 Station 4 PM2.5 24hr averages

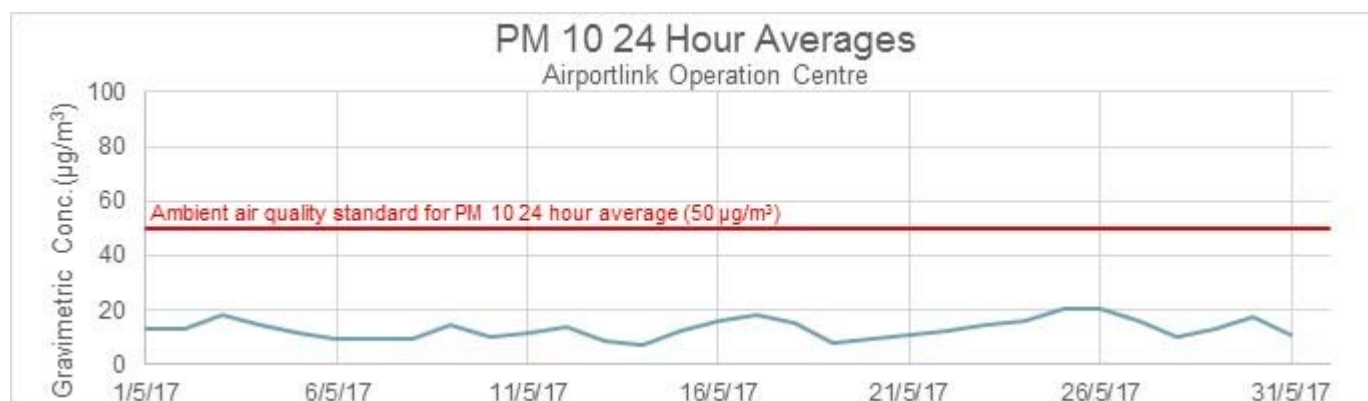


Figure 16 Station 4 PM10 24hr averages

Nitrogen Dioxide Summary

Station 4 Airportlink Operation Centre Ambient AQMS Nitrogen Dioxide Summary May 2017

Date	24hr Avg (ppm)	1 hr Avgs		Time of Max	Number of Exceedences 1hr Avg > 0.120 ppm	Capture Rate
		Min (ppm)	Max (ppm)			
1/05/2017	0.012	0.005	0.024	20:00	0	97.2
2/05/2017	0.015	0.008	0.021	17:00	0	97.2
3/05/2017	0.014	0.007	0.023	15:00	0	97.2
4/05/2017	0.014	0.009	0.018	21:00	0	97.2
5/05/2017	0.014	0.005	0.023	17:00	0	97.2
6/05/2017	0.012	0.005	0.021	17:00	0	97.2
7/05/2017	0.011	0.006	0.016	22:00	0	97.2
8/05/2017	0.016	0.005	0.025	18:00	0	97.2
9/05/2017	0.015	0.007	0.026	07:00	0	97.2
10/05/2017	0.015	0.005	0.029	09:00	0	97.2
11/05/2017	0.013	0.003	0.033	19:00	0	97.2
12/05/2017	0.016	0.007	0.025	15:00	0	97.2
13/05/2017	0.012	0.007	0.017	18:00	0	97.2
14/05/2017	0.011	0.003	0.022	19:00	0	97.2
15/05/2017	0.016	0.004	0.034	19:00	0	97.2
16/05/2017	0.021	0.004	0.044	19:00	0	97.2
17/05/2017	0.023	0.010	0.037	18:00	0	97.2
18/05/2017	0.021	0.008	0.031	07:00	0	97.2
19/05/2017	0.019	0.006	0.029	17:00	0	97.2
20/05/2017	0.013	0.005	0.032	18:00	0	97.2
21/05/2017	0.012	0.006	0.026	18:00	0	97.2
22/05/2017	0.017	0.009	0.032	18:00	0	97.2
23/05/2017	0.018	0.009	0.030	19:00	0	97.2
24/05/2017	0.018	0.010	0.031	18:00	0	97.2
25/05/2017	0.021	0.013	0.036	18:00	0	97.2
26/05/2017	0.021	0.010	0.040	19:00	0	97.2
27/05/2017	0.018	0.009	0.028	19:00	0	97.2
28/05/2017	0.012	0.005	0.019	21:00	0	97.2
29/05/2017	0.016	0.004	0.037	18:00	0	81.3
30/05/2017	0.017	0.005	0.035	18:00	0	97.2
31/05/2017	0.012	0.004	0.045	17:00	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 May 2017								
Date	24 hr Avg (ppm)	1 hr Avgs			8 hr Rolling Avgs		No. of exceedances 8hr Avg > 8.0 ppm	Capture Rate
		Min (ppm)	Max (ppm)	Time of Max	Max (ppm)	Time of Max		
1/05/2017	0.2	0.1	0.4	21:00	0.3	23:00	0	96.9
2/05/2017	0.2	0.1	0.4	07:00	0.3	01:00	0	96.9
3/05/2017	0.2	0.2	0.4	07:00	0.3	18:00	0	96.9
4/05/2017	0.1	0.1	0.2	15:00	0.2	00:00	0	96.9
5/05/2017	0.1	0.1	0.3	17:00	0.2	19:00	0	96.9
6/05/2017	0.2	0.1	0.4	17:00	0.2	18:00	0	96.9
7/05/2017	0.1	0.1	0.2	17:00	0.2	00:00	0	96.9
8/05/2017	0.2	0.1	0.3	15:00	0.2	19:00	0	96.9
9/05/2017	0.2	0.1	0.3	07:00	0.2	00:00	0	96.9
10/05/2017	0.1	0.1	0.3	09:00	0.2	14:00	0	96.9
11/05/2017	0.2	0.1	0.3	19:00	0.3	22:00	0	96.9
12/05/2017	0.2	0.1	0.3	15:00	0.3	01:00	0	96.9
13/05/2017	0.2	0.1	0.3	11:00	0.2	23:00	0	96.9
14/05/2017	0.2	0.1	0.3	21:00	0.2	23:00	0	96.9
15/05/2017	0.2	0.0	0.5	07:00	0.3	23:00	0	96.9
16/05/2017	0.3	0.0	0.7	20:00	0.4	23:00	0	86.1
17/05/2017	0.2	0.1	0.4	18:00	0.5	01:00	0	96.9
18/05/2017	0.2	0.1	0.4	07:00	0.3	00:00	0	96.9
19/05/2017	0.2	0.1	0.3	17:00	0.3	21:00	0	96.9
20/05/2017	0.2	0.0	0.5	22:00	0.4	23:00	0	96.9
21/05/2017	0.2	0.1	0.4	00:00	0.5	01:00	0	96.9
22/05/2017	0.2	0.1	0.4	20:00	0.3	23:00	0	96.9
23/05/2017	0.2	0.1	0.5	21:00	0.3	00:00	0	96.9
24/05/2017	0.2	0.1	0.3	23:00	0.3	01:00	0	96.9
25/05/2017	0.3	0.2	0.5	20:00	0.4	23:00	0	96.9
26/05/2017	0.3	0.1	0.8	20:00	0.5	23:00	0	96.9
27/05/2017	0.2	0.1	0.7	20:00	0.5	01:00	0	96.9
28/05/2017	0.2	0.1	0.4	02:00	0.5	02:00	0	96.9
29/05/2017	0.3	0.1	0.7	07:00	0.4	10:00	0	80.9
30/05/2017	0.2	0.0	0.5	19:00	0.3	22:00	0	96.9
31/05/2017	0.1	0.0	0.7	17:00	0.2	23:00	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_{2.5} Summary

Station 4 Airportlink Operation Centre Ambient AQMS Particulate PM2.5 Summary May 2017						
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 $\mu\text{g}/\text{m}^3$	
1/05/2017	10.7	1.0	19.5	21:00	0	100.0
2/05/2017	9.1	4.5	19.8	11:00	0	100.0
3/05/2017	10.4	1.5	17.8	08:00	0	100.0
4/05/2017	7.7	5.1	9.9	08:00	0	100.0
5/05/2017	5.8	-0.8	15.3	16:00	0	100.0
6/05/2017	5.8	1.1	12.7	13:00	0	100.0
7/05/2017	6.3	-1.3	16.1	13:00	0	100.0
8/05/2017	4.3	0.1	7.8	11:00	0	100.0
9/05/2017	7.8	0.2	17.8	13:00	0	100.0
10/05/2017	5.9	1.3	12.5	13:00	0	100.0
11/05/2017	7.0	-1.4	17.5	12:00	0	100.0
12/05/2017	7.5	4.3	12.0	12:00	0	100.0
13/05/2017	5.6	2.0	10.7	22:00	0	100.0
14/05/2017	6.1	-1.7	11.6	03:00	0	100.0
15/05/2017	4.1	-2.5	10.6	00:00	0	100.0
16/05/2017	7.3	2.3	18.5	09:00	0	100.0
17/05/2017	12.8	5.2	18.8	11:00	0	100.0
18/05/2017	10.1	4.0	18.5	11:00	0	100.0
19/05/2017	7.3	2.1	12.7	22:00	0	100.0
20/05/2017	7.8	-1.5	22.2	23:00	0	100.0
21/05/2017	10.1	2.4	23.4	00:00	0	100.0
22/05/2017	8.6	3.3	16.5	02:00	0	100.0
23/05/2017	9.4	5.0	21.2	11:00	0	100.0
24/05/2017	13.5	6.4	25.5	11:00	0	100.0
25/05/2017	13.1	7.2	20.6	21:00	0	100.0
26/05/2017	13.8	2.2	21.5	20:00	0	100.0
27/05/2017	12.8	0.3	26.5	22:00	0	100.0
28/05/2017	10.8	3.3	23.5	02:00	0	100.0
29/05/2017	9.8	4.2	16.7	11:00	0	83.3
30/05/2017	10.6	4.2	23.1	13:00	0	100.0
31/05/2017	8.1	4.1	10.9	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 22 Station 4 PM_{2.5} Monthly Summary

PM₁₀ Summary

Station 4 Airportlink Operation Centre Ambient AQMS Particulate PM10 Summary May 2017						
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		
1/05/2017	13.0	8.2	17.9	03:00	0	100.0
2/05/2017	12.8	8.7	17.2	09:00	0	100.0
3/05/2017	18.0	7.7	37.2	15:00	0	100.0
4/05/2017	14.8	11.3	20.3	15:00	0	100.0
5/05/2017	11.7	7.9	16.8	14:00	0	100.0
6/05/2017	9.6	5.3	15.5	17:00	0	100.0
7/05/2017	9.7	6.5	14.2	16:00	0	100.0
8/05/2017	9.6	5.4	16.9	09:00	0	100.0
9/05/2017	14.5	5.9	21.6	08:00	0	100.0
10/05/2017	10.2	4.9	17.5	09:00	0	100.0
11/05/2017	12.0	6.0	17.3	15:00	0	100.0
12/05/2017	14.1	8.5	18.2	08:00	0	100.0
13/05/2017	8.7	6.1	12.5	12:00	0	100.0
14/05/2017	7.1	3.8	12.3	18:00	0	100.0
15/05/2017	12.6	5.2	46.9	23:00	0	100.0
16/05/2017	16.2	5.9	26.5	20:00	0	100.0
17/05/2017	18.1	13.0	22.1	11:00	0	100.0
18/05/2017	15.4	8.0	22.9	15:00	0	100.0
19/05/2017	8.1	3.7	11.7	08:00	0	100.0
20/05/2017	9.7	2.0	24.1	21:00	0	100.0
21/05/2017	10.6	4.8	18.4	19:00	0	100.0
22/05/2017	12.3	6.6	20.4	19:00	0	100.0
23/05/2017	14.4	7.2	22.4	18:00	0	100.0
24/05/2017	16.3	8.1	29.8	15:00	0	100.0
25/05/2017	20.4	10.9	33.2	19:00	0	100.0
26/05/2017	20.6	12.6	35.6	15:00	0	100.0
27/05/2017	16.4	7.7	29.5	20:00	0	100.0
28/05/2017	9.9	2.2	13.8	02:00	0	100.0
29/05/2017	13.5	0.2	24.0	07:00	0	83.3
30/05/2017	17.7	6.5	37.1	17:00	0	100.0
31/05/2017	10.9	3.2	34.7	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 (Cartwright Street)

Summary

Station 5 Cartwright St Ambient AQMS Summary May 2017						
Parameter	Unit	EPP Goal	Averaging Period	Maximum Value	Date & Time	Capture Rate
NO ₂	ppm	0.120	1 Hour	0.046	16/05/2017 18:00	96.9
NO ₂	ppm	0.030	12 Months	0.008	--	96.7
CO	ppm	8	8 Hours	0.6	17/05/2017 01:00	96.4
PM _{2.5}	µg/m3	25	24 Hours	12.8	24/05/2017	99.1
PM _{2.5}	µg/m3	8	12 Months	5.4	--	95.1
PM ₁₀	µg/m3	50	24 Hours	25.2	26/05/2017	99.6
PM ₁₀	µg/m3	50	12 Months	13.8	--	98.8

Table 24 Station 5 Monthly Summary

Graphical Representations

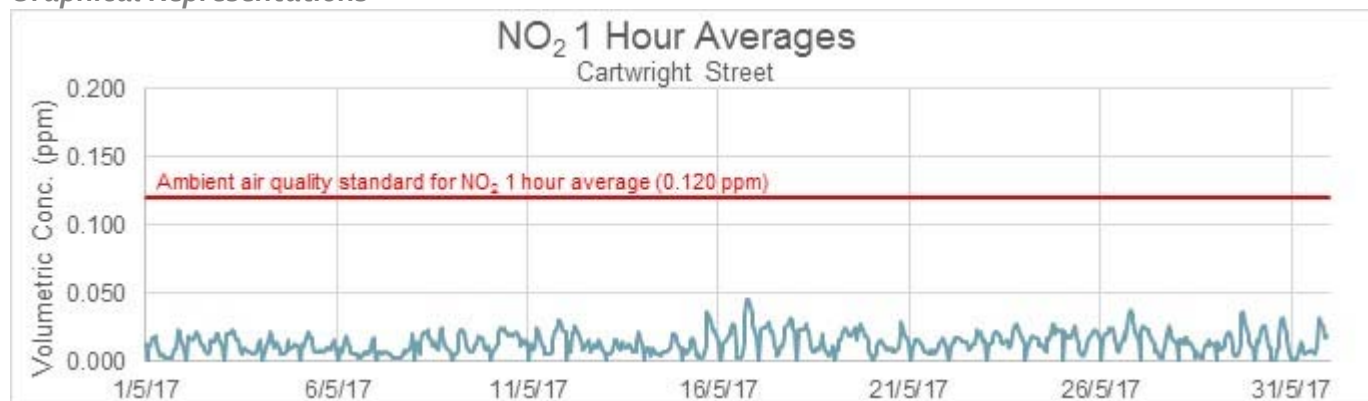


Figure 17 Station 5 Dioxide 1hr averages

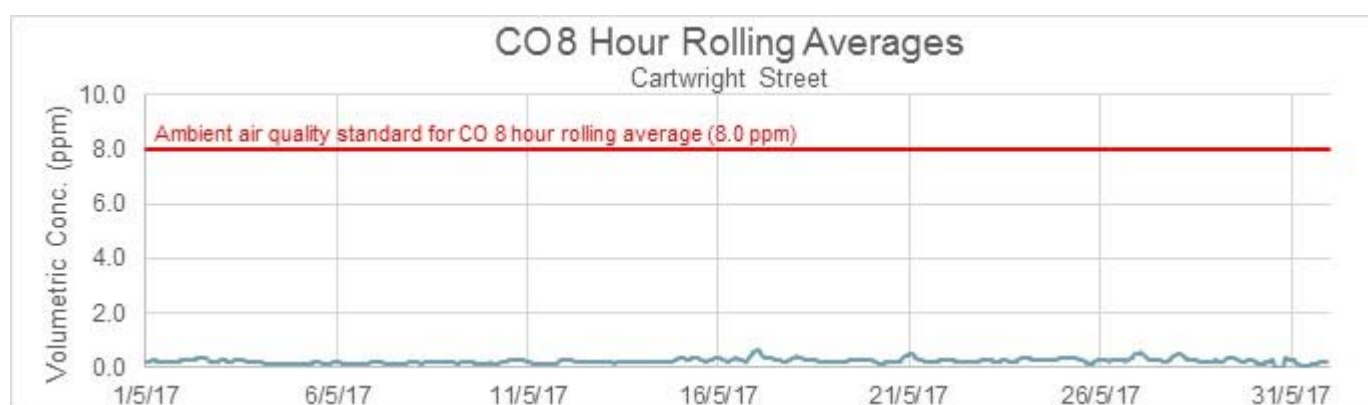


Figure 18 Station 5 Carbon Monoxide 8hr rolling averages

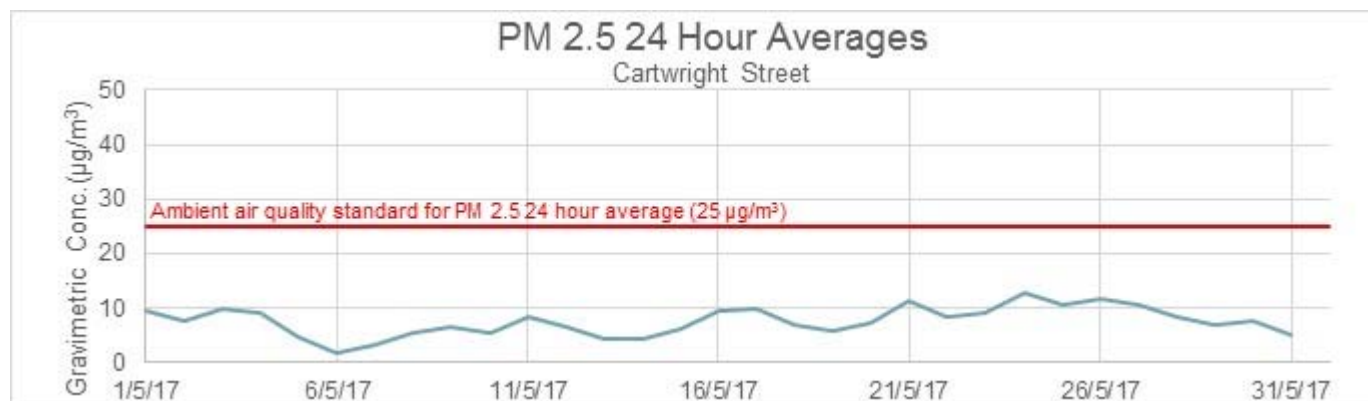


Figure 19 Station 5 PM2.5 24hr averages

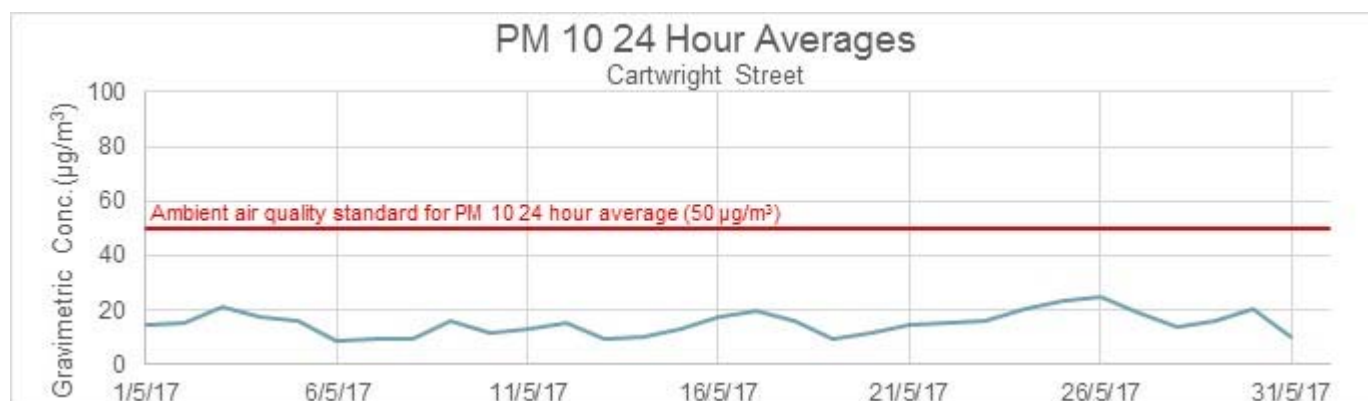


Figure 20 Station 5 PM10 24hr averages

Nitrogen Dioxide Summary

Station 5 Cartwright St Ambient AQMS Nitrogen Dioxide Summary May 2017						
Date	24hr Avg (ppm)	1 hr Avgs			Number of Exceedences 1hr Avg > 0.120 ppm	Capture Rate
		Min (ppm)	Max (ppm)	Time of Max		
1/05/2017	0.011	0.002	0.023	20:00	0	97.2
2/05/2017	0.015	0.006	0.022	07:00	0	97.2
3/05/2017	0.012	0.005	0.023	06:00	0	97.2
4/05/2017	0.011	0.005	0.022	06:00	0	97.2
5/05/2017	0.012	0.007	0.022	06:00	0	97.2
6/05/2017	0.009	0.003	0.019	06:00	0	97.2
7/05/2017	0.006	0.002	0.019	23:00	0	97.2
8/05/2017	0.015	0.006	0.025	18:00	0	97.2
9/05/2017	0.013	0.005	0.024	06:00	0	97.2
10/05/2017	0.017	0.006	0.025	09:00	0	97.2
11/05/2017	0.016	0.005	0.030	20:00	0	97.2
12/05/2017	0.014	0.007	0.027	06:00	0	97.2
13/05/2017	0.011	0.005	0.022	22:00	0	97.2
14/05/2017	0.010	0.005	0.020	19:00	0	97.2
15/05/2017	0.014	0.003	0.037	17:00	0	97.2
16/05/2017	0.021	0.003	0.046	18:00	0	97.2
17/05/2017	0.021	0.005	0.032	21:00	0	97.2
18/05/2017	0.015	0.005	0.027	07:00	0	97.2
19/05/2017	0.019	0.008	0.028	17:00	0	97.2
20/05/2017	0.013	0.005	0.029	19:00	0	97.2
21/05/2017	0.011	0.006	0.018	21:00	0	97.2
22/05/2017	0.015	0.008	0.024	19:00	0	97.2
23/05/2017	0.018	0.010	0.028	19:00	0	97.2
24/05/2017	0.017	0.007	0.027	18:00	0	97.2
25/05/2017	0.017	0.004	0.027	08:00	0	97.2
26/05/2017	0.021	0.007	0.037	19:00	0	97.2
27/05/2017	0.016	0.002	0.026	19:00	0	97.2
28/05/2017	0.011	0.002	0.018	05:00	0	97.2
29/05/2017	0.016	0.004	0.036	18:00	0	97.2
30/05/2017	0.018	0.007	0.032	19:00	0	86.5
31/05/2017	0.012	0.002	0.033	17:00	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 May 2017								
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		
1/05/2017	0.2	0.2	0.4	21:00	0.3	23:00	0	96.2
2/05/2017	0.3	0.2	0.6	07:00	0.4	12:00	0	96.5
3/05/2017	0.2	0.2	0.4	07:00	0.3	11:00	0	96.9
4/05/2017	0.1	0.1	0.2	06:00	0.2	00:00	0	96.9
5/05/2017	0.2	0.1	0.3	08:00	0.2	12:00	0	96.9
6/05/2017	0.2	0.1	0.3	22:00	0.2	23:00	0	96.9
7/05/2017	0.2	0.1	0.2	23:00	0.2	00:00	0	96.9
8/05/2017	0.2	0.1	0.3	09:00	0.2	13:00	0	96.9
9/05/2017	0.2	0.1	0.3	08:00	0.2	00:00	0	96.9
10/05/2017	0.2	0.1	0.3	17:00	0.3	17:00	0	96.9
11/05/2017	0.2	0.1	0.4	21:00	0.3	23:00	0	96.9
12/05/2017	0.2	0.2	0.3	07:00	0.3	01:00	0	96.9
13/05/2017	0.2	0.1	0.3	22:00	0.2	00:00	0	96.9
14/05/2017	0.2	0.2	0.4	22:00	0.3	23:00	0	96.9
15/05/2017	0.3	0.2	0.6	07:00	0.4	23:00	0	96.9
16/05/2017	0.4	0.1	0.9	20:00	0.6	23:00	0	96.9
17/05/2017	0.3	0.2	0.6	21:00	0.6	01:00	0	96.9
18/05/2017	0.2	0.2	0.4	07:00	0.4	01:00	0	96.9
19/05/2017	0.3	0.2	0.4	17:00	0.3	19:00	0	96.9
20/05/2017	0.3	0.1	0.8	20:00	0.5	23:00	0	96.9
21/05/2017	0.3	0.2	0.5	21:00	0.5	01:00	0	96.9
22/05/2017	0.2	0.2	0.5	21:00	0.3	01:00	0	96.9
23/05/2017	0.3	0.2	0.6	21:00	0.4	23:00	0	96.9
24/05/2017	0.3	0.2	0.5	23:00	0.4	01:00	0	96.2
25/05/2017	0.3	0.1	0.5	07:00	0.4	01:00	0	96.9
26/05/2017	0.4	0.2	0.8	20:00	0.5	23:00	0	96.9
27/05/2017	0.3	0.2	0.7	21:00	0.5	01:00	0	96.9
28/05/2017	0.3	0.2	0.4	02:00	0.5	02:00	0	96.2
29/05/2017	0.3	0.1	0.6	07:00	0.4	11:00	0	96.9
30/05/2017	0.2	0.1	0.6	19:00	0.3	20:00	0	86.1
31/05/2017	0.2	0.1	0.4	17:00	0.3	1:00	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_{2.5} Summary

Station 5 Cartwright St Ambient AQMS Particulate PM2.5 Summary May 2017						
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		
1/05/2017	9.6	4.2	21.7	02:00	0	100.0
2/05/2017	7.7	-0.7	13.8	06:00	0	100.0
3/05/2017	9.7	4.4	17.7	06:00	0	100.0
4/05/2017	9.2	1.5	62.4	04:00	0	100.0
5/05/2017	4.7	0.5	9.8	18:00	0	100.0
6/05/2017	1.7	-4.0	5.8	18:00	0	100.0
7/05/2017	3.3	-2.9	14.4	17:00	0	100.0
8/05/2017	5.6	2.1	10.6	00:00	0	100.0
9/05/2017	6.7	2.3	11.8	17:00	0	100.0
10/05/2017	5.3	1.5	13.4	17:00	0	100.0
11/05/2017	8.2	2.3	18.7	21:00	0	100.0
12/05/2017	6.5	1.2	10.9	05:00	0	100.0
13/05/2017	4.5	1.3	15.8	23:00	0	100.0
14/05/2017	4.2	-0.8	10.9	20:00	0	100.0
15/05/2017	6.3	-1.7	16.3	19:00	0	100.0
16/05/2017	9.6	3.1	20.7	21:00	0	100.0
17/05/2017	9.9	3.8	18.9	04:00	0	95.8
18/05/2017	7.1	-0.1	18.9	06:00	0	100.0
19/05/2017	5.9	-2.1	13.7	14:00	0	87.5
20/05/2017	7.3	0.2	34.7	21:00	0	100.0
21/05/2017	11.2	5.0	20.8	06:00	0	100.0
22/05/2017	8.6	1.2	16.6	06:00	0	100.0
23/05/2017	9.1	1.9	18.3	06:00	0	100.0
24/05/2017	12.8	4.0	24.6	17:00	0	100.0
25/05/2017	10.6	3.1	23.1	02:00	0	100.0
26/05/2017	11.8	4.0	23.5	22:00	0	100.0
27/05/2017	10.7	1.3	20.6	21:00	0	100.0
28/05/2017	8.3	-0.8	17.9	07:00	0	100.0
29/05/2017	7.0	-2.6	14.5	20:00	0	100.0
30/05/2017	7.8	0.7	14.6	20:00	0	87.5
31/05/2017	4.9	0.2	14.0	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 Cartwright St Ambient AQMS Particulate PM10 Summary May 2017						
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		
1/05/2017	14.5	6.4	23.6	04:00	0	100.0
2/05/2017	15.4	7.0	23.7	09:00	0	100.0
3/05/2017	21.4	5.8	40.8	08:00	0	100.0
4/05/2017	17.4	7.1	27.4	16:00	0	100.0
5/05/2017	15.8	6.0	50.7	16:00	0	100.0
6/05/2017	8.8	4.1	17.5	23:00	0	100.0
7/05/2017	9.2	3.1	16.2	19:00	0	100.0
8/05/2017	9.3	2.2	19.6	10:00	0	100.0
9/05/2017	15.8	4.4	24.8	10:00	0	100.0
10/05/2017	11.7	7.0	22.0	12:00	0	100.0
11/05/2017	13.1	8.1	22.9	22:00	0	100.0
12/05/2017	15.5	8.2	26.4	07:00	0	100.0
13/05/2017	9.8	6.0	19.3	09:00	0	100.0
14/05/2017	10.2	2.1	50.1	14:00	0	100.0
15/05/2017	12.8	4.9	27.2	19:00	0	100.0
16/05/2017	17.4	5.1	31.9	09:00	0	100.0
17/05/2017	20.0	10.6	30.9	07:00	0	100.0
18/05/2017	16.0	1.5	25.0	16:00	0	100.0
19/05/2017	9.2	2.1	16.5	14:00	0	100.0
20/05/2017	11.7	0.5	43.2	21:00	0	100.0
21/05/2017	14.9	5.4	29.9	17:00	0	100.0
22/05/2017	15.0	7.0	23.5	08:00	0	100.0
23/05/2017	16.1	3.3	32.3	18:00	0	100.0
24/05/2017	20.7	7.9	40.6	17:00	0	100.0
25/05/2017	23.7	8.4	35.4	18:00	0	100.0
26/05/2017	25.2	10.7	45.6	16:00	0	100.0
27/05/2017	19.2	7.8	31.8	08:00	0	100.0
28/05/2017	13.5	0.1	21.1	07:00	0	100.0
29/05/2017	16.4	7.3	27.9	06:00	0	100.0
30/05/2017	20.2	7.7	44.1	19:00	0	87.5
31/05/2017	10.1	3.5	38.9	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 28 Station 5 PM₁₀ 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 May 2017					
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 ($\mu\text{g}/\text{m}^3$)
01/05/2017	22	20	20	22	19
07/05/2017	12	16	13	16	12
13/05/2017	11	12	10	13	9
19/05/2017	9	9	8	9	7
25/04/2017	33	33	30	36	27
31/05/2017	28	22	18	23	17
Monthly Average	19.2	18.7	16.5	19.8	15.2
Annual Average	23.5	22.2	20.4	23.3	20.6

* Data from AHS missing because site was inaccessible during school holidays

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
1/05/2017 12:25:00	30/05/2017 20:20:00	PM _{2.5}	Intermittent instrument faults – error code logged	12/06/2017	CP
30/05/2017 11:15:00	30/05/2017 13:50:00	All parameters	Maintenance	12/06/2017	CP
30/05/2017 22:25:00	31/05/2017 23:45:00	PM ₁₀	Intermittent instrument faults – status code 4	12/06/2017	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
23/05/2017 05:35:00	24/05/2017 18:55:00	PM ₁₀	Instrument fault	12/06/2017	CP
29/05/2017 16:40:00	29/05/2017 20:10:00	All parameters	Maintenance	12/06/2017	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
1/05/2017 01:20:00	31/05/2017 21:05:00	PM _{2.5}	Intermittent instrument faults – no samples	12/06/2017	CP
18/05/2017 22:00:00	23/05/2017 18:50:00	PM _{2.5}	Instrument fault	12/06/2017	CP
24/05/2017 15:05:00	26/05/2017 14:20:00	PM _{2.5}	Maintenance	12/06/2017	CP
30/05/2017 09:30:00	30/05/2017 12:50:00	All parameters	Maintenance	12/06/2017	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
1/05/2017 01:05:00	31/05/2017 23:05:00	PM _{2.5}	Intermittent instrument faults – error code logged	12/06/2017	CP
16/05/2017 12:10:00	16/05/2017 15:35:00	CO	Intermittent instrument fault	12/06/2017	CP
29/05/2017 14:05:00	29/05/2017 17:50:00	All parameters	Maintenance	12/06/2017	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
1/05/2017 01:05:00	31/05/2017 23:05:00	PM _{2.5} , PM ₁₀	Intermittent instrument faults – error code logged	12/06/2017	CP
30/05/2017 12:20:00	30/05/2017 14:50:00	All parameters	Maintenance	12/06/2017	CP

Table 34 Station 5 Cartwright St AQMS Data Validation Table