

# Quarterly Air Quality Monitoring Report 2005

# 4

Part A: DEC Data

October – November – December  
2005



Department of  
**Environment and  
Conservation (NSW)**

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**TABLE 1  
OZONE (O<sub>3</sub>)**

**NEPM STANDARD LEVEL: 1-hour average = 10 pphm  
4-hour average = 8 pphm  
NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm  
4-hour average = 6 pphm**

Parts per hundred million (pphm)  
1-HOUR CLOCK AVERAGE

MONITORING SITE		OCT	NOV	DEC
<b>Central East Sydney region</b>				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	92	95	92
	Average	1.9	1.8	2.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.7	3.5	4.3
	90-percentile Value	5.0	5.5	6.6
	Maximum 1-hour Value	5.5	6.7	8.6
	Maximum 4-hour Value	5.2	6.3	8.0
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (1)
	No. Days Above Level	0 (0)	0 (0)	0 (1)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (3)	3 (8)
	No. Days Above Goal	0 (0)	0 (1)	2 (2)
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	94	90	95
	Average	2.0	1.9	2.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.6	3.2	3.9
	90-percentile Value	4.9	4.6	5.8
	Maximum 1-hour Value	5.6	6.3	7.6
	Maximum 4-hour Value	4.9	5.8	6.8
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (3)
	No. Days Above Goal	0 (0)	0 (0)	0 (1)
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:			
	% Sampling Time	80	95	95
	Average	2.6	2.4	2.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.9	3.4	4.0
	90-percentile Value	5.4	4.5	6.3
	Maximum 1-hour Value	6.3	6.3	8.3
	Maximum 4-hour Value	5.5	5.9	6.7
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	1 (4)
	No. Days Above Goal	0 (0)	0 (0)	1 (1)

\*\*\* Data not available

( ) Numbers in brackets indicate exceedences of the 4-hour NEPM Standard Level and 4-hour NSW goal

2005 Data

**TABLE 1 (Cont'd)**  
**OZONE (O<sub>3</sub>)**

**NEPM STANDARD LEVEL: 1-hour average = 10 pphm**  
**4-hour average = 8 pphm**  
**NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm**  
**4-hour average = 6 pphm**

Parts per hundred million (pphm)  
1-HOUR CLOCK AVERAGE

MONITORING SITE		OCT	NOV	DEC
<b>Central East Sydney region (Cont'd)</b>				
ROZELLE				
Rozelle Hospital				
Balmain Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	95	95
	Average	2.1	1.9	2.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.4	3.2	3.9
	90-percentile Value	4.5	4.9	5.3
	Maximum 1-hour Value	5.1	6.9	7.2
	Maximum 4-hour Value	4.5	6.0	6.5
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (5)
	No. Days Above Goal	0 (0)	0 (0)	0 (1)
<b>North West Sydney region</b>				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	94	95	95
	Average	2.3	2.1	2.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	4.1	3.9	5.2
	90-percentile Value	5.6	5.7	7.1
	Maximum 1-hour Value	6.2	6.5	9.0
	Maximum 4-hour Value	5.7	5.8	8.1
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (1)
	No. Days Above Level	0 (0)	0 (0)	0 (1)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	2 (20)
	No. Days Above Goal	0 (0)	0 (0)	1 (7)
ST MARYS				
Mamre Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	84	96	96
	Average	1.8	1.9	2.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.3	3.6	5.0
	90-percentile Value	4.6	5.1	7.0
	Maximum 1-hour Value	5.8	6.6	9.0
	Maximum 4-hour Value	4.7	5.6	7.7
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	1 (20)
	No. Days Above Goal	0 (0)	0 (0)	1 (6)

\*\*\* Data not available

( ) Numbers in brackets indicate exceedences of the 4-hour NEPM Standard Level and 4-hour NSW goal

2005 Data

**TABLE 1 (Cont'd)**  
**OZONE (O<sub>3</sub>)**

**NEPM STANDARD LEVEL: 1-hour average = 10 pphm**  
**4-hour average = 8 pphm**  
**NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm**  
**4-hour average = 6 pphm**

Parts per hundred million (pphm)  
1-HOUR CLOCK AVERAGE

MONITORING SITE		OCT	NOV	DEC
<b>North West Sydney region (Cont'd)</b>				
VINEYARD				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	90	95
	Average	2.4	2.2	2.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.9	3.8	5.1
	90-percentile Value	5.2	5.4	6.9
	Maximum 1-hour Value	5.6	6.1	9.9
	Maximum 4-hour Value	5.2	5.3	8.9
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (3)
	No. Days Above Level	0 (0)	0 (0)	0 (1)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	3 (11)
	No. Days Above Goal	0 (0)	0 (0)	1 (2)
<b>South West Sydney region</b>				
BARGO				
Silica Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	71	80	96
	Average	2.4	2.1	2.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.7	3.5	5.2
	90-percentile Value	5.0	5.5	7.6
	Maximum 1-hour Value	5.5	6.3	10.0
	Maximum 4-hour Value	4.8	5.6	8.3
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (3)
	No. Days Above Level	0 (0)	0 (0)	0 (2)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	4 (25)
	No. Days Above Goal	0 (0)	0 (0)	2 (6)
BRINGELLY				
Ramsay Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	82	95
	Average	2.0	1.9	2.4
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.7	3.5	5.0
	90-percentile Value	4.9	5.7	7.6
	Maximum 1-hour Value	5.7	5.9	8.4
	Maximum 4-hour Value	5.3	5.1	7.7
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	2 (21)
	No. Days Above Goal	0 (0)	0 (0)	1 (7)

\*\*\* Data not available

( ) Numbers in brackets indicate exceedences of the 4-hour NEPM Standard Level and 4-hour NSW goal

2005 Data

**TABLE 1 (Cont'd)**  
**OZONE (O<sub>3</sub>)**

Parts per hundred million (pphm)  
1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL: 1-hour average = 10 pphm**  
**4-hour average = 8 pphm**  
**NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm**  
**4-hour average = 6 pphm**

MONITORING SITE	OCT	NOV	DEC
<b>South West Sydney region (Cont'd)</b>			
<b>LIVERPOOL</b>			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	88	95	95
Average	1.7	1.7	2.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.5	3.5	4.7
90-percentile Value	4.9	5.5	7.8
Maximum 1-hour Value	5.5	5.9	9.1
Maximum 4-hour Value	5.2	5.4	7.5
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	0 (1)
No. Days Above Level	0 (0)	0 (0)	0 (1)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (0)	4 (17)
No. Days Above Goal	0 (0)	0 (0)	2 (5)
<b>MACARTHUR</b>			
UWS Campbelltown campus			
ALL HOURS IN MONTH:			
% Sampling Time	95	96	96
Average	2.1	2.0	2.5
DAILY 1-HOUR MAXIMA:			
Monthly Average	4.0	4.0	5.6
90-percentile Value	5.6	6.2	9.8
Maximum 1-hour Value	6.1	7.1	11.3
Maximum 4-hour Value	5.9	6.2	10.1
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	4 (9)
No. Days Above Level	0 (0)	0 (0)	3 (3)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (1)	14 (31)
No. Days Above Goal	0 (0)	0 (1)	6 (7)
<b>OAKDALE</b>			
Ridge Rd			
ALL HOURS IN MONTH:			
% Sampling Time	90	95	95
Average	2.8	2.5	3.0
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.8	3.6	5.3
90-percentile Value	5.2	5.3	8.2
Maximum 1-hour Value	5.7	6.2	10.4
Maximum 4-hour Value	5.3	5.5	8.7
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	2 (3)
No. Days Above Level	0 (0)	0 (0)	1 (1)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (0)	5 (25)
No. Days Above Goal	0 (0)	0 (0)	4 (8)

\*\*\* Data not available

( ) Numbers in brackets indicate exceedences of the 4-hour NEPM Standard Level and 4-hour NSW goal

2005 Data

**TABLE 1 (Cont'd)**  
**OZONE (O<sub>3</sub>)**

Parts per hundred million (pphm)  
1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL: 1-hour average = 10 pphm**  
**4-hour average = 8 pphm**  
**NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm**  
**4-hour average = 6 pphm**

<b>MONITORING SITE</b>		<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
<b><i>Illawarra region</i></b>				
<b>KEMBLA GRANGE</b>				
Kembla Grange Racecourse				
Princes Hwy	ALL HOURS IN MONTH:			
	% Sampling Time	95	94	94
	Average	2.3	2.0	2.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.4	3.4	4.0
	90-percentile Value	4.5	4.8	6.8
	Maximum 1-hour Value	5.2	6.6	7.9
	Maximum 4-hour Value	4.8	5.6	7.3
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (5)
	No. Days Above Goal	0 (0)	0 (0)	0 (1)
<b>WARRAWONG</b>				
Carlotta Cres				
	ALL HOURS IN MONTH:			
	% Sampling Time	81	95	95
	Average	2.5	2.2	2.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.8	3.2	3.9
	90-percentile Value	4.8	4.5	5.9
	Maximum 1-hour Value	7.6	6.4	8.4
	Maximum 4-hour Value	6.3	6.1	7.6
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (3)	0 (2)	1 (6)
	No. Days Above Goal	0 (1)	0 (1)	1 (1)
<b>WOLLONGONG</b>				
Gipps St				
	ALL HOURS IN MONTH:			
	% Sampling Time	86	94	95
	Average	2.3	1.9	2.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.5	3.3	4.1
	90-percentile Value	4.5	4.9	6.5
	Maximum 1-hour Value	6.0	6.6	8.3
	Maximum 4-hour Value	5.1	6.3	7.8
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (2)	1 (8)
	No. Days Above Goal	0 (0)	0 (1)	1 (2)

\*\*\* Data not available

( ) Numbers in brackets indicate exceedences of the 4-hour NEPM Standard Level and 4-hour NSW goal

2005 Data

**TABLE 1 (Cont'd)**  
**OZONE (O<sub>3</sub>)**

**NEPM STANDARD LEVEL: 1-hour average = 10 pphm**  
**4-hour average = 8 pphm**  
**NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm**  
**4-hour average = 6 pphm**

Parts per hundred million (pphm)  
1-HOUR CLOCK AVERAGE

MONITORING SITE		OCT	NOV	DEC
<b>Lower Hunter region</b>				
<b>BERESFIELD</b>				
Francis Greenway				
High School				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	90	79
	Average	2.1	1.9	2.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.7	3.3	4.0
	90-percentile Value	4.6	4.6	6.3
	Maximum 1-hour Value	5.7	5.2	7.0
	Maximum 4-hour Value	5.1	4.8	6.4
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (3)
	No. Days Above Goal	0 (0)	0 (0)	0 (2)
<b>NEWCASTLE</b>				
Athletics Field				
Smith St				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	87
	Average	2.4	2.1	2.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.7	3.2	3.8
	90-percentile Value	4.7	4.7	5.4
	Maximum 1-hour Value	5.3	5.5	7.8
	Maximum 4-hour Value	5.1	4.8	7.0
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (3)
	No. Days Above Goal	0 (0)	0 (0)	0 (1)
<b>WALLSEND</b>				
Swimming Pool				
Frances St				
	ALL HOURS IN MONTH:			
	% Sampling Time	78	96	95
	Average	2.1	2.0	2.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.5	3.4	4.2
	90-percentile Value	4.4	5.1	5.9
	Maximum 1-hour Value	4.7	5.9	7.4
	Maximum 4-hour Value	4.3	5.3	7.2
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (4)
	No. Days Above Goal	0 (0)	0 (0)	0 (1)

\*\*\* Data not available

( ) Numbers in brackets indicate exceedences of the 4-hour NEPM Standard Level and 4-hour NSW goal

2005 Data



**TABLE 1 (Cont'd)**  
**OZONE (O<sub>3</sub>)**

Parts per hundred million (pphm)  
 1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL: 1-hour average = 10 pphm**  
**4-hour average = 8 pphm**  
**NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm**  
**4-hour average = 6 pphm**

<b>MONITORING SITE</b>		<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
<b>Central Tablelands region</b>				
BATHURST				
Wastewater Treatment Plant				
Off Morrisset St	ALL HOURS IN MONTH:			
	% Sampling Time	96	94	89
	Average	1.8	2.0	2.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.2	3.3	3.6
	90-percentile Value	3.9	4.2	4.5
	Maximum 1-hour Value	4.4	4.6	5.2
	Maximum 4-hour Value	4.4	4.5	4.5
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)

\*\*\* Data not available

( ) Numbers in brackets indicate exceedences of the 4-hour NEPM Standard Level and 4-hour NSW goal

**TABLE 2**

**NITROGEN DIOXIDE (NO<sub>2</sub>)**

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL: 1-hour average = 12 pphm**  
**NSW GOV'T LONG TERM GOAL: 1-hour average = 10.5 pphm**

MONITORING SITE		OCT	NOV	DEC
<b>Central East Sydney region</b>				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	90	95	95
	Average	1.3	1.1	1.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.8	2.2	2.5
	90-percentile Value	3.3	3.0	3.8
	Maximum 1-hour Value	5.2	3.4	6.4
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	92	67
	Average	1.2	0.9	1.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.8	1.8	2.3
	90-percentile Value	3.6	2.7	3.6
	Maximum 1-hour Value	4.6	2.9	3.8
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:			
	% Sampling Time	92	94	95
	Average	0.8	0.5	0.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.1	1.4	1.6
	90-percentile Value	3.7	2.8	2.9
	Maximum 1-hour Value	4.0	3.1	3.4
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0

\*\*\* Data not available

2005 Data

**TABLE 2 (Cont'd)**

**NITROGEN DIOXIDE (NO<sub>2</sub>)**

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL: 1-hour average = 12 pphm**  
**NSW GOV'T LONG TERM GOAL: 1-hour average = 10.5 pphm**

MONITORING SITE		OCT	NOV	DEC
<b>Central East Sydney region (Cont'd)</b>				
ROZELLE				
Rozelle Hospital				
Balmain Rd	ALL HOURS IN MONTH:			
	% Sampling Time	91	95	95
	Average	1.2	1.0	1.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.4	1.9	2.1
	90-percentile Value	3.2	2.8	3.0
	Maximum 1-hour Value	4.9	3.2	3.8
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
<b>North West Sydney region</b>				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	88	93	94
	Average	0.6	0.5	0.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.3	1.1	1.3
	90-percentile Value	2.2	1.8	1.9
	Maximum 1-hour Value	2.7	2.5	2.1
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
ST MARYS				
Mamre Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	94	96	96
	Average	0.9	0.6	0.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.0	1.5	1.7
	90-percentile Value	2.9	2.0	2.1
	Maximum 1-hour Value	3.4	3.1	6.3
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0

\*\*\* Data not available

2005 Data

**TABLE 2 (Cont'd)**

**NITROGEN DIOXIDE (NO<sub>2</sub>)**

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL: 1-hour average = 12 pphm**  
**NSW GOV'T LONG TERM GOAL: 1-hour average = 10.5 pphm**

MONITORING SITE		OCT	NOV	DEC
<b>North West Sydney region (Cont'd)</b>				
VINEYARD				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	73	95
	Average	0.6	0.5	0.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.3	1.1	1.3
	90-percentile Value	1.9	1.6	2.1
	Maximum 1-hour Value	2.8	1.8	2.4
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
<b>South West Sydney region</b>				
BARGO				
Silica Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	69	79	93
	Average	0.6	0.5	0.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.8	1.6	1.8
	90-percentile Value	2.9	2.2	3.1
	Maximum 1-hour Value	3.4	2.8	3.6
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
BRINGELLY				
Ramsay Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	95	95
	Average	0.7	0.5	0.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.7	1.2	1.2
	90-percentile Value	2.4	1.7	1.9
	Maximum 1-hour Value	4.5	2.2	2.3
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0

\*\*\* Data not available

2005 Data

**TABLE 2 (Cont'd)**

**NITROGEN DIOXIDE (NO<sub>2</sub>)**

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL: 1-hour average = 12 pphm**  
**NSW GOV'T LONG TERM GOAL: 1-hour average = 10.5 pphm**

MONITORING SITE	OCT	NOV	DEC
<b>South West Sydney region (Cont'd)</b>			
<b>LIVERPOOL</b>			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	87	95	95
Average	1.3	1.1	1.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.7	2.1	2.4
90-percentile Value	3.6	3.2	3.6
Maximum 1-hour Value	5.4	3.6	6.3
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0
<b>MACARTHUR</b>			
UWS Campbelltown campus			
ALL HOURS IN MONTH:			
% Sampling Time	95	96	95
Average	1.2	0.9	0.9
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.9	2.2	2.5
90-percentile Value	3.9	3.2	4.0
Maximum 1-hour Value	6.9	3.8	8.1
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0
<b>OAKDALE</b>			
Ridge Rd			
ALL HOURS IN MONTH:			
% Sampling Time	79	67	95
Average	0.2	0.2	0.3
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.6	0.5	0.6
90-percentile Value	1.2	1.0	1.0
Maximum 1-hour Value	1.3	1.1	1.4
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0

\*\*\* Data not available

2005 Data

**TABLE 2 (Cont'd)**

**NITROGEN DIOXIDE (NO<sub>2</sub>)**

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL: 1-hour average = 12 pphm**  
**NSW GOV'T LONG TERM GOAL: 1-hour average = 10.5 pphm**

<b>MONITORING SITE</b>		<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
<b><i>Illawarra region</i></b>				
<b>KEMBLA GRANGE</b>				
Kembla Grange Racecourse				
Princes Hwy	ALL HOURS IN MONTH:			
	% Sampling Time	95	94	95
	Average	0.6	0.5	0.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.4	1.2	1.3
	90-percentile Value	2.5	2.2	2.3
	Maximum 1-hour Value	4.6	2.9	4.1
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
<b>WARRAWONG</b>				
Carlotta Cres				
	ALL HOURS IN MONTH:			
	% Sampling Time	82	95	86
	Average	0.7	0.5	0.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.8	1.3	1.4
	90-percentile Value	3.1	2.2	2.3
	Maximum 1-hour Value	4.3	2.5	2.6
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
<b>WOLLONGONG</b>				
Gipps St				
	ALL HOURS IN MONTH:			
	% Sampling Time	87	94	95
	Average	0.8	0.7	0.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.1	1.7	1.8
	90-percentile Value	3.2	2.6	2.4
	Maximum 1-hour Value	4.6	3.0	5.4
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0

\*\*\* Data not available

2005 Data

**TABLE 2 (Cont'd)**

**NITROGEN DIOXIDE (NO<sub>2</sub>)**

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL: 1-hour average = 12 pphm**  
**NSW GOV'T LONG TERM GOAL: 1-hour average = 10.5 pphm**

MONITORING SITE		OCT	NOV	DEC
<b>Lower Hunter region</b>				
<b>BERESFIELD</b>				
Francis Greenway				
High School				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	94
	Average	0.9	0.7	0.8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.1	1.5	2.0
	90-percentile Value	2.9	2.0	2.9
	Maximum 1-hour Value	2.9	2.7	3.8
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
<b>NEWCASTLE</b>				
Athletics Field				
Smith St				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	87	74
	Average	0.7	0.5	0.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.8	1.2	1.8
	90-percentile Value	3.1	1.7	3.3
	Maximum 1-hour Value	4.1	1.9	3.5
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
<b>WALLSEND</b>				
Swimming Pool				
Frances St				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	96	95
	Average	0.8	0.6	0.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.8	1.3	1.6
	90-percentile Value	2.9	1.9	2.5
	Maximum 1-hour Value	3.2	2.5	3.1
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0

\*\*\* Data not available

**TABLE 3**  
**OXIDES OF NITROGEN - NO<sub>x</sub> (TOTAL OXIDES OF NITROGEN) & NO (NITRIC OXIDE)**

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE		OCT		NOV		DEC	
		NO <sub>x</sub>	NO	NO <sub>x</sub>	NO	NO <sub>x</sub>	NO
<b>Central East Sydney region</b>							
CHULLORA							
Southern Sydney TAFE							
Worth St	ALL HOURS IN MONTH:						
	% Sampling Time	90	90	95	95	95	95
	Average	2.4	1.0	2.1	1.0	1.7	0.6
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	8.1	5.4	6.5	4.7	5.0	2.9
	90-percentile Value	15.4	11.6	13.8	11.4	9.9	6.8
	Maximum 1-hour Value	22.9	19.8	20.3	17.7	11.7	9.6
EARLWOOD							
Beaman Park							
Riverview Rd	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	92	92	67	67
	Average	2.2	1.1	1.6	0.7	1.7	0.6
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	7.7	5.4	4.8	3.3	5.1	3.1
	90-percentile Value	17.3	14.5	11.5	9.6	8.9	6.4
	Maximum 1-hour Value	18.8	16.5	13.6	12.0	10.7	7.3
RANDWICK							
Randwick Barracks							
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:						
	% Sampling Time	92	92	94	94	95	95
	Average	1.1	0.4	0.8	0.3	0.8	0.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	3.8	1.9	3.0	1.8	2.6	1.1
	90-percentile Value	7.8	5.1	8.3	5.4	5.2	2.7
	Maximum 1-hour Value	8.9	6.2	10.8	8.6	7.3	4.8
ROZELLE							
Rozelle Hospital							
Balmain Rd	ALL HOURS IN MONTH:						
	% Sampling Time	91	91	95	95	95	95
	Average	1.6	0.5	1.4	0.5	1.2	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	5.0	2.7	3.5	2.0	3.4	1.6
	90-percentile Value	9.4	6.0	7.7	5.4	5.2	3.2
	Maximum 1-hour Value	18.9	14.1	8.3	6.4	9.7	6.1
<b>North West Sydney region</b>							
RICHMOND							
University Of Western Sydney							
Vines Rd	ALL HOURS IN MONTH:						
	% Sampling Time	88	88	93	93	94	94
	Average	0.6	0.1	0.6	0.1	0.6	0.1
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	1.6	0.5	1.6	0.8	1.6	0.5
	90-percentile Value	2.6	1.2	3.0	1.8	2.4	1.2
	Maximum 1-hour Value	3.0	1.4	4.0	3.4	2.8	2.2

\*\*\* Data not available

2005 Data



**TABLE 3 (Cont'd)**  
**OXIDES OF NITROGEN - NO<sub>x</sub> (TOTAL OXIDES OF NITROGEN) & NO (NITRIC OXIDE)**

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE	OCT		NOV		DEC		
	NO <sub>x</sub>	NO	NO <sub>x</sub>	NO	NO <sub>x</sub>	NO	
<b>North West Sydney region (Cont'd)</b>							
ST MARYS							
Mamre Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	96	96	96	96
	Average	1.2	0.4	0.8	0.3	0.8	0.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	4.0	2.5	2.8	1.6	2.6	1.3
	90-percentile Value	7.2	5.6	5.7	3.9	6.5	3.0
	Maximum 1-hour Value	8.4	5.9	9.2	6.3	7.9	6.5
VINEYARD							
Castle Hill STP							
Bandon Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	73	73	95	95
	Average	0.6	0.1	0.7	0.1	0.6	0.1
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	1.6	0.5	1.7	0.7	1.6	0.5
	90-percentile Value	2.7	1.0	2.8	1.7	2.7	1.4
	Maximum 1-hour Value	3.4	1.5	4.1	2.6	3.1	1.7
<b>South West Sydney region</b>							
BARGO							
Silica Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	69	69	79	79	93	93
	Average	0.9	0.3	1.1	0.5	0.9	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	4.3	2.6	4.9	3.4	4.2	2.6
	90-percentile Value	13.2	9.9	12.9	10.8	8.1	6.2
	Maximum 1-hour Value	16.0	13.4	16.6	14.6	12.8	9.2
BRINGELLY							
Ramsay Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	95	95	95	95
	Average	1.0	0.3	0.8	0.2	0.7	0.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	2.3	1.1	1.8	1.0	1.6	0.7
	90-percentile Value	4.1	2.2	3.4	2.6	2.7	1.4
	Maximum 1-hour Value	5.2	3.8	3.8	3.0	3.0	1.6
LIVERPOOL							
Rose St							
	ALL HOURS IN MONTH:						
	% Sampling Time	87	87	95	95	95	95
	Average	2.4	1.1	1.9	0.9	1.7	0.7
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	8.4	6.1	5.8	4.1	6.0	4.1
	90-percentile Value	16.2	13.9	12.0	10.1	13.6	9.6
	Maximum 1-hour Value	20.8	16.4	16.4	13.6	20.1	16.9

\*\*\* Data not available

2005 Data

**TABLE 3 (Cont'd)**  
**OXIDES OF NITROGEN - NO<sub>x</sub> (TOTAL OXIDES OF NITROGEN) & NO (NITRIC OXIDE)**

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE	OCT		NOV		DEC		
	NO <sub>x</sub>	NO	NO <sub>x</sub>	NO	NO <sub>x</sub>	NO	
<b>South West Sydney region (Cont'd)</b>							
MACARTHUR							
UWS Campbelltown campus							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	96	96	95	95
	Average	2.1	1.0	1.7	0.9	1.8	0.9
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	8.3	5.8	6.6	4.6	7.1	5.0
	90-percentile Value	15.8	12.7	11.9	9.4	14.4	11.5
	Maximum 1-hour Value	20.7	14.0	20.0	17.4	21.4	19.2
OAKDALE							
Ridge Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	79	79	67	67	95	95
	Average	0.3	0.1	0.3	0.1	0.3	0.0
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	0.7	0.1	0.7	0.1	0.7	0.1
	90-percentile Value	1.3	0.2	1.1	0.3	1.0	0.1
	Maximum 1-hour Value	1.4	0.5	1.3	0.4	1.4	0.2
<b>Illawarra region</b>							
KEMBLA GRANGE							
Kembla Grange Racecourse							
Princes Hwy							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	94	94	95	95
	Average	0.7	0.1	0.8	0.2	0.7	0.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	1.9	0.7	2.4	1.4	2.1	1.0
	90-percentile Value	3.9	1.6	5.8	4.3	5.0	3.5
	Maximum 1-hour Value	6.7	2.4	10.1	8.5	5.5	3.9
WARRAWONG							
Carlotta Cres							
	ALL HOURS IN MONTH:						
	% Sampling Time	82	82	95	95	86	86
	Average	0.8	0.2	0.6	0.2	0.6	0.1
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	2.7	1.0	2.0	0.8	1.9	0.7
	90-percentile Value	5.3	2.6	3.6	2.1	3.8	1.7
	Maximum 1-hour Value	6.4	3.4	4.3	2.9	4.3	2.4
WOLLONGONG							
Gipps St							
	ALL HOURS IN MONTH:						
	% Sampling Time	87	87	94	94	95	95
	Average	1.2	0.4	1.1	0.4	1.1	0.4
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	4.2	2.3	4.0	2.3	4.0	2.5
	90-percentile Value	7.5	5.8	6.8	5.0	8.5	6.9
	Maximum 1-hour Value	12.5	9.2	12.4	10.4	11.6	10.0

\*\*\* Data not available

2005 Data

**TABLE 3 (Cont'd)**  
**OXIDES OF NITROGEN - NO<sub>x</sub> (TOTAL OXIDES OF NITROGEN) & NO (NITRIC OXIDE)**

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE		OCT		NOV		DEC	
		NO <sub>x</sub>	NO	NO <sub>x</sub>	NO	NO <sub>x</sub>	NO
<b>Lower Hunter region</b>							
BERESFIELD							
Francis Greenway							
High School	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	95	95	94	94
	Average	1.4	0.6	1.1	0.5	1.2	0.5
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	5.0	3.1	3.8	2.5	4.3	2.6
	90-percentile Value	9.8	7.2	6.7	5.2	7.9	5.3
	Maximum 1-hour Value	12.1	10.4	11.1	9.2	12.5	9.0
NEWCASTLE							
Athletics Field							
Smith St	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	87	87	74	74
	Average	1.2	0.4	0.9	0.3	0.8	0.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	3.6	2.0	2.5	1.4	2.7	1.0
	90-percentile Value	7.9	5.8	5.3	3.8	5.9	2.9
	Maximum 1-hour Value	12.8	10.2	8.2	7.0	6.7	3.6
WALLSEND							
Swimming Pool							
Frances St	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	96	96	95	95
	Average	1.0	0.3	0.8	0.2	0.8	0.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	2.9	1.4	2.6	1.5	2.4	1.2
	90-percentile Value	6.1	3.9	4.5	3.1	4.0	2.1
	Maximum 1-hour Value	8.3	6.5	7.3	6.5	7.6	6.5

\*\*\* Data not available

2005 Data

**TABLE 4.1**

**PARTICULATE MATTER: BY NEPHELOMETER (NEPH)**

Coefficient of light scattering by fine particles per 10 km

1-HOUR CLOCK AVERAGE

MONITORING SITE		OCT	NOV	DEC
<b>Central East Sydney region</b>				
CHULLORA				
Southern Sydney TAFE				
Worth St				
	% Sampling Time	97	91	100
	Monthly Average	0.2	0.2	0.3
	90-percentile Value	0.4	0.3	0.5
	Maximum 24-hour Average	0.5	0.4	0.5
	Maximum 1-hour Value	1.0	0.7	1.0
EARLWOOD				
Beaman Park				
Riverview Rd				
	% Sampling Time	100	99	99
	Monthly Average	0.2	0.2	0.3
	90-percentile Value	0.4	0.3	0.5
	Maximum 24-hour Average	0.4	0.4	0.6
	Maximum 1-hour Value	0.8	0.6	1.9
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts				
	% Sampling Time	97	100	100
	Monthly Average	0.3	0.3	0.4
	90-percentile Value	0.5	0.5	0.7
	Maximum 24-hour Average	0.4	0.6	0.7
	Maximum 1-hour Value	0.8	1.1	1.5
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	% Sampling Time	100	100	99
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.4	0.3	0.5
	Maximum 24-hour Average	0.5	0.3	0.5
	Maximum 1-hour Value	0.9	0.8	1.6
<b>North West Sydney region</b>				
RICHMOND				
University Of Western Sydney				
Vines Rd				
	% Sampling Time	99	99	99
	Monthly Average	0.1	0.1	0.2
	90-percentile Value	0.3	0.2	0.4
	Maximum 24-hour Average	0.3	0.2	0.4
	Maximum 1-hour Value	1.3	0.4	0.6

\*\*\* Data not available

2005 Data

**TABLE 4.1 (Cont'd)**

**PARTICULATE MATTER: BY NEPHELOMETER (NEPH)**

Coefficient of light scattering by fine particles per 10 km

1-HOUR CLOCK AVERAGE

MONITORING SITE		OCT	NOV	DEC
<b>North West Sydney region (Cont'd)</b>				
ST MARYS				
Mamre Rd				
	% Sampling Time	99	100	100
	Monthly Average	0.2	0.1	0.2
	90-percentile Value	0.4	0.3	0.5
	Maximum 24-hour Average	0.4	0.2	0.5
	Maximum 1-hour Value	1.1	0.6	0.9
VINEYARD				
Castle Hill STP				
Bandon Rd				
	% Sampling Time	100	99	99
	Monthly Average	0.1	0.1	0.2
	90-percentile Value	0.3	0.2	0.4
	Maximum 24-hour Average	0.3	0.2	0.4
	Maximum 1-hour Value	1.4	0.5	0.7
<b>South West Sydney region</b>				
BARGO				
Silica Rd				
	% Sampling Time	76	83	93
	Monthly Average	0.2	0.2	0.3
	90-percentile Value	0.5	0.4	0.5
	Maximum 24-hour Average	0.6	0.5	0.6
	Maximum 1-hour Value	1.0	2.3	2.8
BRINGELLY				
Ramsay Rd				
	% Sampling Time	100	100	99
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.4	0.3	0.5
	Maximum 24-hour Average	0.6	0.3	0.5
	Maximum 1-hour Value	2.5	1.3	1.2
LIVERPOOL				
Rose St				
	% Sampling Time	93	100	100
	Monthly Average	0.2	0.1	0.2
	90-percentile Value	0.4	0.3	0.5
	Maximum 24-hour Average	0.4	0.3	0.5
	Maximum 1-hour Value	0.7	2.1	0.9

\*\*\* Data not available

2005 Data

**TABLE 4.1 (Cont'd)**

**PARTICULATE MATTER: BY NEPHELOMETER (NEPH)**

Coefficient of light scattering by fine particles per 10 km

1-HOUR CLOCK AVERAGE

MONITORING SITE	OCT	NOV	DEC
<b>South West Sydney region (Cont'd)</b>			
MACARTHUR			
UWS Campbelltown campus			
% Sampling Time	99	100	99
Monthly Average	0.1	0.1	0.2
90-percentile Value	0.3	0.2	0.4
Maximum 24-hour Average	0.4	0.3	0.5
Maximum 1-hour Value	0.7	0.7	1.0
OAKDALE			
Ridge Rd			
% Sampling Time	96	71	86
Monthly Average	0.3	0.2	0.2
90-percentile Value	0.6	0.6	0.5
Maximum 24-hour Average	0.9	0.9	0.5
Maximum 1-hour Value	1.4	1.3	0.8
<b>Illawarra region</b>			
KEMBLA GRANGE			
Kembla Grange Racecourse			
Princes Hwy			
% Sampling Time	100	100	100
Monthly Average	0.1	0.1	0.2
90-percentile Value	0.3	0.2	0.4
Maximum 24-hour Average	0.4	0.3	0.5
Maximum 1-hour Value	0.6	0.5	0.9
WARRAWONG			
Carlotta Cres			
% Sampling Time	87	100	100
Monthly Average	0.2	0.2	0.3
90-percentile Value	0.5	0.4	0.5
Maximum 24-hour Average	0.5	0.5	0.5
Maximum 1-hour Value	1.0	1.3	1.0
WOLLONGONG			
Gipps St			
% Sampling Time	96	100	100
Monthly Average	0.2	0.2	0.2
90-percentile Value	0.3	0.4	0.5
Maximum 24-hour Average	0.4	0.6	0.5
Maximum 1-hour Value	1.4	1.0	1.0

\*\*\* Data not available

2005 Data

**TABLE 4.1 (Cont'd)**

**PARTICULATE MATTER: BY NEPHELOMETER (NEPH)**

Coefficient of light scattering by fine particles per 10 km

1-HOUR CLOCK AVERAGE

MONITORING SITE		OCT	NOV	DEC
<b>Lower Hunter region</b>				
BERESFIELD				
Francis Greenway				
High School				
	% Sampling Time	100	97	100
	Monthly Average	0.1	0.1	0.2
	90-percentile Value	0.3	0.2	0.4
	Maximum 24-hour Average	0.4	0.2	0.4
	Maximum 1-hour Value	0.5	0.5	1.4
NEWCASTLE				
Athletics Field				
Smith St				
	% Sampling Time	100	100	92
	Monthly Average	0.2	0.1	0.2
	90-percentile Value	0.3	0.2	0.4
	Maximum 24-hour Average	0.4	0.2	0.4
	Maximum 1-hour Value	0.8	0.4	1.7
WALLSEND				
Swimming Pool				
Frances St				
	% Sampling Time	99	100	99
	Monthly Average	0.2	0.2	0.3
	90-percentile Value	0.3	0.2	0.5
	Maximum 24-hour Average	0.4	0.3	0.5
	Maximum 1-hour Value	0.8	1.3	1.6

\*\*\* Data not available

**TABLE 4.2**

**PARTICULATE MATTER: BY TAPERED ELEMENT**

**OSCILLATING MICROBALANCE (TEOM-PM<sub>10</sub>)**

Micrograms per cubic metre at 0° Celsius (µg/m<sup>3</sup> at 0°C)

1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL:**

24-hour average = 50 µg/m<sup>3</sup>

MONITORING SITE		OCT	NOV	DEC
<b>Central East Sydney region</b>				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	90	77	93
	Average	22	20	28
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	43	38	63
	90-percentile Value	63	67	100
	Maximum 1-hour Value	101	69	168
	Maximum 24-hour Value	42	40	49
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	97	93	98
	Average	21	20	33
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	40	38	87
	90-percentile Value	73	68	102
	Maximum 1-hour Value	76	141	787
	Maximum 24-hour Value	40	36	61
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	3
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:			
	% Sampling Time	98	99	97
	Average	19	19	26
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	34	33	56
	90-percentile Value	55	55	86
	Maximum 1-hour Value	83	78	173
	Maximum 24-hour Value	39	39	47
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
ROZELLE				
Rozelle Hospital				
Balmain Rd	ALL HOURS IN MONTH:			
	% Sampling Time	92	93	92
	Average	21	19	28
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	42	41	61
	90-percentile Value	69	58	107
	Maximum 1-hour Value	91	108	156
	Maximum 24-hour Value	41	33	47
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0

\*\*\* Data not available

2005 Data



**TABLE 4.2 (Cont'd)**

**PARTICULATE MATTER: BY TAPERED ELEMENT**

**OSCILLATING MICROBALANCE (TEOM-PM<sub>10</sub>)**

Micrograms per cubic metre at 0° Celsius (µg/m<sup>3</sup> at 0°C)

1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL:**

**24-hour average = 50 µg/m<sup>3</sup>**

<b>MONITORING SITE</b>		<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
<b>North West Sydney region</b>				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	96	95
	Average	16	14	23
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	31	28	52
	90-percentile Value	53	36	86
	Maximum 1-hour Value	80	73	151
	Maximum 24-hour Value	46	25	44
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
ST MARYS				
Mamre Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	94	92	93
	Average	20	17	30
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	44	47	79
	90-percentile Value	65	80	125
	Maximum 1-hour Value	97	206	258
	Maximum 24-hour Value	49	25	51
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	2
VINEYARD				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	96	96	97
	Average	16	15	24
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	33	32	49
	90-percentile Value	53	53	75
	Maximum 1-hour Value	64	101	158
	Maximum 24-hour Value	43	25	49
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
<b>South West Sydney region</b>				
BRINGELLY				
Ramsay Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	94	94	98
	Average	19	16	24
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	39	39	50
	90-percentile Value	64	64	88
	Maximum 1-hour Value	99	92	109
	Maximum 24-hour Value	44	29	39
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0

\*\*\* Data not available

2005 Data

TABLE 4.2 (Cont'd)

## PARTICULATE MATTER: BY TAPERED ELEMENT

OSCILLATING MICROBALANCE (TEOM-PM<sub>10</sub>)Micrograms per cubic metre at 0° Celsius (µg/m<sup>3</sup> at 0°C)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:

24-hour average = 50 µg/m<sup>3</sup>

MONITORING SITE	OCT	NOV	DEC
<b>South West Sydney region (Cont'd)</b>			
LIVERPOOL			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	90	95	96
Average	20	18	27
DAILY 1-HOUR MAXIMA:			
Monthly Average	40	38	56
90-percentile Value	71	72	91
Maximum 1-hour Value	87	84	128
Maximum 24-hour Value	43	29	49
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
MACARTHUR			
UWS Campbelltown campus			
ALL HOURS IN MONTH:			
% Sampling Time	85	78	99
Average	21	19	24
DAILY 1-HOUR MAXIMA:			
Monthly Average	47	50	46
90-percentile Value	71	96	66
Maximum 1-hour Value	146	199	120
Maximum 24-hour Value	43	33	43
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
OAKDALE			
Ridge Rd			
ALL HOURS IN MONTH:			
% Sampling Time	98	94	97
Average	14	12	21
DAILY 1-HOUR MAXIMA:			
Monthly Average	30	23	48
90-percentile Value	53	38	80
Maximum 1-hour Value	124	52	127
Maximum 24-hour Value	39	24	41
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
<b>Illawarra region</b>			
KEMBLA GRANGE			
Kembla Grange Racecourse			
Princes Hwy			
ALL HOURS IN MONTH:			
% Sampling Time	99	99	98
Average	20	18	29
DAILY 1-HOUR MAXIMA:			
Monthly Average	43	40	67
90-percentile Value	59	77	114
Maximum 1-hour Value	137	149	142
Maximum 24-hour Value	49	39	52
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	1

\*\*\* Data not available

2005 Data

TABLE 4.2 (Cont'd)

## PARTICULATE MATTER: BY TAPERED ELEMENT

OSCILLATING MICROBALANCE (TEOM-PM<sub>10</sub>)Micrograms per cubic metre at 0° Celsius (µg/m<sup>3</sup> at 0°C)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:

24-hour average = 50 µg/m<sup>3</sup>

MONITORING SITE	OCT	NOV	DEC
<b>Illawarra region (Cont'd)</b>			
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	85	94	95
Average	25	22	30
DAILY 1-HOUR MAXIMA:			
Monthly Average	49	47	69
90-percentile Value	77	88	103
Maximum 1-hour Value	116	98	171
Maximum 24-hour Value	48	47	48
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	94	88	97
Average	21	21	26
DAILY 1-HOUR MAXIMA:			
Monthly Average	43	43	51
90-percentile Value	67	74	77
Maximum 1-hour Value	130	124	99
Maximum 24-hour Value	42	45	39
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
<b>Lower Hunter region</b>			
BERESFIELD			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	96	98	97
Average	20	17	28
DAILY 1-HOUR MAXIMA:			
Monthly Average	39	37	59
90-percentile Value	67	55	100
Maximum 1-hour Value	75	72	113
Maximum 24-hour Value	46	29	45
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
NEWCASTLE			
Athletics Field			
Smith St			
ALL HOURS IN MONTH:			
% Sampling Time	82	44	69
Average	24	24	27
DAILY 1-HOUR MAXIMA:			
Monthly Average	46	39	50
90-percentile Value	74	55	68
Maximum 1-hour Value	89	56	116
Maximum 24-hour Value	50	33	42
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0

\*\*\* Data not available

2005 Data

TABLE 4.2 (Cont'd)

**PARTICULATE MATTER: BY TAPERED ELEMENT**

**OSCILLATING MICROBALANCE (TEOM-PM<sub>10</sub>)**

Micrograms per cubic metre at 0° Celsius (µg/m<sup>3</sup> at 0°C)

1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL:**

**24-hour average = 50 µg/m<sup>3</sup>**

MONITORING SITE		OCT	NOV	DEC
<b>Lower Hunter region (Cont'd)</b>				
WALLSEND				
Swimming Pool				
Frances St	ALL HOURS IN MONTH:			
	% Sampling Time	94	99	97
	Average	18	17	26
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	33	34	56
	90-percentile Value	49	53	87
	Maximum 1-hour Value	67	81	121
	Maximum 24-hour Value	33	26	50
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	1
<b>Central Tablelands region</b>				
BATHURST				
Wastewater Treatment Plant				
Off Morrisset St	ALL HOURS IN MONTH:			
	% Sampling Time	99	99	90
	Average	10	11	20
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	19	22	44
	90-percentile Value	32	34	85
	Maximum 1-hour Value	37	59	195
	Maximum 24-hour Value	18	18	39
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
<b>South West Slopes region</b>				
ALBURY				
Jelbart Park				
Cnr Kaylock Rd & Cambourne St	ALL HOURS IN MONTH:			
	% Sampling Time	99	87	99
	Average	11	13	18
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	20	24	48
	90-percentile Value	26	32	103
	Maximum 1-hour Value	36	60	146
	Maximum 24-hour Value	19	18	36
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
WAGGA WAGGA				
Cnr Morgan & Murray Sts				
	ALL HOURS IN MONTH:			
	% Sampling Time	99	97	99
	Average	15	20	28
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	32	49	83
	90-percentile Value	49	89	187
	Maximum 1-hour Value	52	123	299
	Maximum 24-hour Value	25	44	59
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	1

\*\*\* Data not available

2005 Data

**TABLE 4.2 (Cont'd)**

**PARTICULATE MATTER: BY TAPERED ELEMENT  
OSCILLATING MICROBALANCE (TEOM-PM<sub>10</sub>)**  
Micrograms per cubic metre at 0° Celsius (µg/m<sup>3</sup> at 0°C)  
1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL:  
24-hour average = 50 µg/m<sup>3</sup>**

<b>MONITORING SITE</b>		<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
<b><i>North West Slopes region</i></b>				
TAMWORTH				
Hyman Park				
Off Robert St	ALL HOURS IN MONTH:			
	% Sampling Time	94	***	***
	Average	15	***	***
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	34	***	***
	90-percentile Value	49	***	***
	Maximum 1-hour Value	60	***	***
	Maximum 24-hour Value	31	***	***
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	***	***

\*\*\* Data not available

2005 Data

TABLE 4.3

## PARTICULATE MATTER: BY TAPERED ELEMENT

OSCILLATING MICROBALANCE (TEOM-PM<sub>2.5</sub>)Micrograms per cubic metre at 0° Celsius ( $\mu\text{g}/\text{m}^3$  at 0°C)

1-HOUR CLOCK AVERAGE

MONITORING SITE		OCT	NOV	DEC
<b>Central East Sydney region</b>				
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	99	96	99
	Average	9	8	12
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	16	14	25
	90-percentile Value	24	24	36
	Maximum 1-hour Value	31	33	125
<b>South West Sydney region</b>				
LIVERPOOL				
Rose St				
	ALL HOURS IN MONTH:			
	% Sampling Time	77	99	98
	Average	11	10	14
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	20	18	27
	90-percentile Value	28	29	39
	Maximum 1-hour Value	39	59	51
<b>Illawarra region</b>				
WARRAWONG				
Carlotta Cres				
	ALL HOURS IN MONTH:			
	% Sampling Time	85	93	97
	Average	11	9	12
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	21	19	27
	90-percentile Value	31	34	45
	Maximum 1-hour Value	39	43	52
WOLLONGONG				
Gipps St				
	ALL HOURS IN MONTH:			
	% Sampling Time	94	89	98
	Average	9	9	12
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	19	17	22
	90-percentile Value	33	30	36
	Maximum 1-hour Value	40	45	42
<b>Lower Hunter region</b>				
BERESFIELD				
Francis Greenway				
High School				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	98	96
	Average	9	8	12
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	17	16	26
	90-percentile Value	28	24	46
	Maximum 1-hour Value	53	40	57

\*\*\* Data not available

2005 Data

**TABLE 4.3 (Cont'd)**

**PARTICULATE MATTER: BY TAPERED ELEMENT**

**OSCILLATING MICROBALANCE (TEOM-PM<sub>2.5</sub>)**

Micrograms per cubic metre at 0° Celsius (µg/m<sup>3</sup> at 0°C)

1-HOUR CLOCK AVERAGE

MONITORING SITE		OCT	NOV	DEC
<i>Lower Hunter region (Cont'd)</i>				
WALLSEND				
Swimming Pool				
Frances St	ALL HOURS IN MONTH:			
	% Sampling Time	93	99	97
	Average	9	9	13
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	17	17	27
	90-percentile Value	27	25	45
	Maximum 1-hour Value	35	46	57

\*\*\* Data not available

**TABLE 5**

**SULFUR DIOXIDE (SO<sub>2</sub>)**

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL:**

**1-hour average = 20 pphm**

**24-hour average = 8 pphm**

MONITORING SITE		OCT	NOV	DEC
<b>Central East Sydney region</b>				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	92	95	95
	Average	0.1	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.3	0.2	0.4
	90-percentile Value	0.6	0.5	0.8
	Maximum 1-hour Value	1.0	0.7	1.1
	Maximum 24-hour Value	0.2	0.2	0.3
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:			
	% Sampling Time	92	95	95
	Average	0.1	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.4	0.3	0.5
	90-percentile Value	1.0	0.9	1.2
	Maximum 1-hour Value	1.8	1.3	2.1
	Maximum 24-hour Value	0.3	0.3	0.4
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
<b>North West Sydney region</b>				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	94	95	95
	Average	0.0	0.0	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.1	0.2	0.2
	90-percentile Value	0.3	0.4	0.4
	Maximum 1-hour Value	0.4	0.9	0.6
	Maximum 24-hour Value	0.1	0.1	0.2
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
VINEYARD				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	94	95
	Average	0.0	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.4	0.5	0.5
	Maximum 1-hour Value	0.6	0.8	1.2
	Maximum 24-hour Value	0.2	0.1	0.3
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)

\*\*\* Data not available

( ) Numbers in brackets indicate exceedences of the 24-hour NEPM Standard Level

2005 Data



**TABLE 5 (Cont'd)**

**SULFUR DIOXIDE (SO<sub>2</sub>)**

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL:**

**1-hour average = 20 pphm**

**24-hour average = 8 pphm**

MONITORING SITE	OCT	NOV	DEC
<b>South West Sydney region</b>			
<b>BARGO</b>			
Silica Rd			
ALL HOURS IN MONTH:			
% Sampling Time	71	80	96
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.2	0.1	0.2
90-percentile Value	0.3	0.3	0.3
Maximum 1-hour Value	0.3	0.4	0.5
Maximum 24-hour Value	0.2	0.1	0.1
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
<b>BRINGELLY</b>			
Ramsay Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	95
Average	0.0	0.0	0.0
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.2	0.2	0.1
90-percentile Value	0.4	0.3	0.3
Maximum 1-hour Value	0.4	0.4	0.4
Maximum 24-hour Value	0.1	0.2	0.1
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
<b>MACARTHUR</b>			
UWS Campbelltown campus			
ALL HOURS IN MONTH:			
% Sampling Time	95	96	96
Average	0.1	0.0	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.2	0.2	0.3
90-percentile Value	0.4	0.3	0.6
Maximum 1-hour Value	0.6	0.6	1.3
Maximum 24-hour Value	0.2	0.2	0.3
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
<b>Illawarra region</b>			
<b>WARRAWONG</b>			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	82	95	94
Average	0.2	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.8	0.4	0.6
90-percentile Value	1.9	1.0	1.6
Maximum 1-hour Value	3.2	1.7	3.3
Maximum 24-hour Value	0.7	0.3	0.3
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)

\*\*\* Data not available

( ) Numbers in brackets indicate exceedences of the 24-hour NEPM Standard Level

2005 Data

**TABLE 5 (Cont'd)**

**SULFUR DIOXIDE (SO<sub>2</sub>)**

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL:**

**1-hour average = 20 pphm**

**24-hour average = 8 pphm**

MONITORING SITE		OCT	NOV	DEC
<b>Illawarra region (Cont'd)</b>				
WOLLONGONG				
Gipps St				
	ALL HOURS IN MONTH:			
	% Sampling Time	88	92	95
	Average	0.1	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.3	0.6	0.5
	90-percentile Value	0.9	1.4	1.5
	Maximum 1-hour Value	1.4	2.2	2.5
	Maximum 24-hour Value	0.3	0.6	0.4
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
<b>Lower Hunter region</b>				
BERESFIELD				
Francis Greenway				
High School				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	93	75
	Average	0.1	0.1	0.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.7	0.4	0.8
	90-percentile Value	1.3	1.0	1.5
	Maximum 1-hour Value	2.9	2.6	2.6
	Maximum 24-hour Value	0.4	0.5	0.4
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
NEWCASTLE				
Athletics Field				
Smith St				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	94	87
	Average	0.1	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.5	0.3	0.4
	90-percentile Value	1.5	0.7	1.1
	Maximum 1-hour Value	3.6	2.2	2.3
	Maximum 24-hour Value	0.4	0.4	0.3
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
WALLSEND				
Swimming Pool				
Frances St				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	96	95
	Average	0.1	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.4	0.4	0.5
	90-percentile Value	0.9	0.8	1.0
	Maximum 1-hour Value	2.6	2.5	1.4
	Maximum 24-hour Value	0.3	0.5	0.2
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)

\*\*\* Data not available

( ) Numbers in brackets indicate exceedences of the 24-hour NEPM Standard Level

2005 Data

TABLE 6

## CARBON MONOXIDE (CO)

Parts per million (ppm)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL: 8-hour average = 9 ppm

MONITORING SITE		OCT	NOV	DEC
<b>Central East Sydney region</b>				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	83	95	95
	Average	0.2	0.2	0.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.6	0.5	0.4
	90-percentile Value	1.0	0.9	0.7
	Maximum 1-hour Value	2.1	1.1	0.9
	Maximum 8-hour Value	1.1	0.7	0.6
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	0
	No. Days Above Level	0	0	0
ROZELLE				
Rozelle Hospital				
Balmain Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	95	95
	Average	0.2	0.2	0.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.6	0.4	0.4
	90-percentile Value	0.9	0.7	0.6
	Maximum 1-hour Value	2.3	0.9	1.1
	Maximum 8-hour Value	1.0	0.5	0.5
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	0
	No. Days Above Level	0	0	0
<b>South West Sydney region</b>				
LIVERPOOL				
Rose St				
	ALL HOURS IN MONTH:			
	% Sampling Time	88	95	95
	Average	0.3	0.3	0.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.8	0.6	0.6
	90-percentile Value	1.2	1.1	0.9
	Maximum 1-hour Value	2.0	1.2	1.8
	Maximum 8-hour Value	1.3	0.9	1.0
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	0
	No. Days Above Level	0	0	0

\*\*\* Data not available

2005 Data

**TABLE 6 (Cont'd)**

**CARBON MONOXIDE (CO)**

Parts per million (ppm)

1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL: 8-hour average = 9 ppm**

MONITORING SITE	OCT	NOV	DEC
<b>South West Sydney region (Cont'd)</b>			
MACARTHUR			
UWS Campbelltown campus			
ALL HOURS IN MONTH:			
% Sampling Time	93	96	96
Average	0.2	0.1	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.4	0.3	0.3
90-percentile Value	0.6	0.5	0.6
Maximum 1-hour Value	1.0	0.6	0.8
Maximum 8-hour Value	0.7	0.5	0.5
NEPM STANDARD LEVEL:			
No.Events Above Level	0	0	0
No. Days Above Level	0	0	0
<b>Illawarra region</b>			
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	88	94	95
Average	0.2	0.2	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.6	0.7	0.6
90-percentile Value	1.1	1.5	1.4
Maximum 1-hour Value	1.7	2.1	1.8
Maximum 8-hour Value	1.2	1.2	0.7
NEPM STANDARD LEVEL:			
No.Events Above Level	0	0	0
No. Days Above Level	0	0	0
<b>Lower Hunter region</b>			
NEWCASTLE			
Athletics Field			
Smith St			
ALL HOURS IN MONTH:			
% Sampling Time	96	94	87
Average	0.1	0.1	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.4	0.3	0.3
90-percentile Value	0.9	0.6	0.6
Maximum 1-hour Value	1.3	1.0	0.8
Maximum 8-hour Value	0.9	0.6	0.5
NEPM STANDARD LEVEL:			
No.Events Above Level	0	0	0
No. Days Above Level	0	0	0

\*\*\* Data not available

TABLE 7

REGIONAL POLLUTION INDEX (RPI)

Sydney region

RPI	Low 0 - 24						Medium 25 - 49						High > 49					
	REGIONS																	
D A Y	Eastern Sydney						South Western						North Western					
	OCT		NOV		DEC		OCT		NOV		DEC		OCT		NOV		DEC	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
1	20	20	18	13	22	27	22	18	27	18	17	30	16	22	30	16	12	25
2	21	24	13	22	24	25	21	18	22	30	30	32	33	19	16	23	32	24
3	22	24	18	21	26	13	19	23	35	28	31	13	19	21	27	19	26	13
4	29	17	25	17	13	20	20	18	19	14	14	14	21	19	17	12	15	15
5	17	27	15	16	17	18	17	30	17	16	66	20	16	24	11	15	15	24
6	26	17	15	15	14	28	30	19	14	16	27	44	23	23	15	20	23	32
7	23	18	15	14	18	33	17	19	16	15	52	33	17	20	20	14	37	26
8	19	17	14	14	21	35	18	18	15	18	21	25	19	16	16	14	22	32
9	18	15	16	27	30	18	17	15	19	32	19	20	16	15	20	28	18	23
10	14	18	28	20	17	31	14	18	54	23	26	15	14	22	25	21	26	14
11	17	20	21	20	25	13	19	19	22	17	16	16	21	18	22	20	16	22
12	21	14	21	24	13	12	16	14	15	21	16	25	17	11	23	23	23	24
13	14	16	22	30	22	23	13	23	23	27	27	32	12	21	25	26	25	36
14	17	18	25	18	23	16	24	17	28	26	31	21	22	18	32	23	31	23
15	16	16	16	25	16	16	15	18	26	22	27	32	16	16	24	23	27	28
16	16	16	16	13	14	21	16	15	16	13	34	24	16	14	16	13	31	17
17	15	15	12	13	23	24	14	15	12	16	29	22	11	15	12	17	17	19
18	15	15	15	18	22	14	15	17	19	25	17	14	14	17	19	22	17	14
19	17	16	14	34	14	13	16	19	26	26	14	15	16	17	23	32	14	20
20	14	13	33	12	13	22	22	20	24	12	17	26	14	14	30	19	19	28
21	13	18	13	12	20	37	19	22	12	13	33	30	11	26	18	12	32	29
22	20	31	12	17	45	14	22	19	12	32	41	34	25	21	13	24	49	35
23	25	27	16	10	12	25	27	27	30	10	37	40	19	23	32	10	29	26
24	24	14	11	12	20	20	27	21	10	18	50	19	26	21	9	11	31	21
25	20	24	12	12	20	25	18	25	49	13	17	13	20	21	11	10	20	13
26	21	24	14	23	29	21	20	21	20	25	14	17	19	18	15	21	14	20
27	16	24	26	10	25	16	18	18	28	10	20	30	17	25	22	9	29	29
28	23	17	11	11	16	28	22	22	11	11	30	39	23	29	10	11	29	33
29	15	21	10	15	25	25	22	28	11	17	56	36	26	31	12	17	33	43
30	24	16	19	17	18	41	58	25	14	14	37	40	30	12	15	12	45	35
31	15	20			23	32	25	33			43	46	13	29			44	31

	PERCENTAGE FREQUENCY																	
	Eastern Sydney						South Western						North Western					
	OCT		NOV		DEC		OCT		NOV		DEC		OCT		NOV		DEC	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW	90	90	83	87	77	58	84	81	70	70	39	45	84	84	77	90	45	52
MED	10	10	17	13	23	42	13	19	27	30	48	55	16	16	23	10	55	48
HIGH	0	0	0	0	0	0	3	0	3	0	13	0	0	0	0	0	0	0

2005 Data

TABLE 7 (Cont'd)

REGIONAL POLLUTION INDEX (RPI)

Lower Hunter region

RPI	Low 0 - 24						Medium 25 - 49						High > 49					
	REGIONS																	
	D A Y	Newcastle						Wallsend						Beresfield				
OCT		NOV		DEC		OCT		NOV		DEC		OCT		NOV		DEC		
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
1	17	16	18	11	12	18	7	3	17	11	13	24	18	19	18	14	8	6
2	16	19	12	12			10	5	11	15	17	22	18	21	13	16	7	5
3	19	23	10	11			13	4	12	23	25	13	21	21	14	19	9	4
4	19	16	11	19	9	15	20	15	13	19	14	17	20	15	23	20	8	5
5	16	20	12	13	15	18	14	17	12	13	17	20	14	22	12	12	9	8
6	24	16	13	13	30	18	12	12	12	14	30	21	23	17	11	15	8	32
7	15	21	13	13	17	24	10	13	13	13	16	25	14	18	13	14	30	26
8	21	17	13	11	21	17	16	14	12	13	21	20	16	15	13	12	23	19
9	16	15	10	14	17	16	14	14	11	26	16	17	13	14	13	25	19	16
10	14	18	13	25	13	20	13	16	31	24	16	23	14	18	7	18	16	17
11	19	18	18	20	23	13	15	17	18	20	23	13	16	16	16	16	23	13
12	15	14	21	27	12	11	14	12	20	25	12	14	17	12	20	21	12	14
13	14	19	24	17	39	17	11	17	26	18	27	19	12	18	22	16	12	18
14	17	17	16	14	14	16	12	19	16	15	15	8	18	19	15	16	21	16
15	16	15	14	22	14	14	15	14	13	21	18	14	14	14	14	20	20	14
16	15	15	16	12	12	7	14	14	16	13	12	11	14	14	14	12	13	13
17	19	18	12	12	14	19	18	16	10	13	17	21	14	15	11	12	16	19
18	15	14	12	14	21	16	14	15	12	15	23	15	12	14	10	16	23	14
19	16	15	15	20	15	14	13	14	14	29	15	15	13	14	16	25	15	14
20	13	10	21	13	13	24	11	9	20	12	14	21	13	12	22	12	13	20
21	10	19	14	12	23	38	9	21	13	11	17	37	9	23	12	12	16	32
22	20	26	11	13	23	15	20	23	10	16	31	13	21	19	11	19	35	13
23	26	23	13	11	12	11	23	22	14	9	12	16	22	27	17	8	9	17
24	17	12	11	11	12	28	20	16	11	11	13	27	28	17	10	10	17	24
25	16	19	12	10	20	16	16	21	10	12	20	19	18	22	11	12	21	17
26	17	22	11	14	21	18	17	22	9	15	16	16	19	21	11	15	16	15
27	15	19	19	15	17	15	15	20	20	10	15	19	17	20	21	9	15	19
28	16	21	12	10	11	17	17	18	10	10	11	33	21	18	7	10	13	32
29	15	16	10	13	20	14	13	17	10	15	22	21	14	18	10	15	21	24
30	13	14	14	13	15	17	13	15	14	17	20	23	15	15	13	8	17	23
31	12	17			18	15	11	17			19	19	11	16			20	17

	PERCENTAGE FREQUENCY																	
	Newcastle						Wallsend						Beresfield					
	OCT		NOV		DEC		OCT		NOV		DEC		OCT		NOV		DEC	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW	97	97	100	93	93	93	100	100	93	90	87	87	97	97	100	93	94	87
MED	3	3	0	7	7	7	0	0	7	10	13	13	3	3	0	7	6	13
HIGH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

2005 Data

TABLE 7 (Cont'd)

REGIONAL POLLUTION INDEX (RPI)

Illawarra region

RPI                      Low 0 - 24                                      Medium 25 - 49                                      High > 49

D A Y	Albion Park						REGIONS Wollongong					
	OCT		NOV		DEC		OCT		NOV		DEC	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
1							19	17	18	15	17	30
2							17	17	14	15	30	29
3							18	19	18	23	32	12
4							19	17	31	17	13	14
5							16	18	14	13	17	11
6							24	22	12	14	20	15
7							15	19	14	14	14	37
8							19	17	14	14	29	34
9							17	14	22	28	26	14
10							14	17	28	24	13	16
11							16	20	18	20	19	12
12							18	16	21	22	12	12
13							13	15	22	17	12	23
14							14	14	15	17	14	14
15							33	15	16	16	16	14
16							14	15	15	11	12	29
17							15	14	11	12	27	29
18							13	14	12	19	21	13
19							14	16	14	33	14	13
20							12	12	33	11	12	22
21							12	12	13	12	25	39
22							19	33	11	15	41	12
23							17	36	12	10	10	17
24							37	13	10	12	17	17
25							20	24	11	13	18	13
26							22	25	16	24	24	15
27							19	18	23	9	15	12
28							18	15	10	10	12	23
29							14	20	10	15	28	12
30							20	14	16	15	14	35
31							17	19			25	20

	PERCENTAGE FREQUENCY											
	Albion Park						Wollongong					
	OCT		NOV		DEC		OCT		NOV		DEC	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW							94	90	90	93	71	74
MED							6	10	10	7	29	26
HIGH							0	0	0	0	0	0

2005 Data