

# Quarterly Air Quality Monitoring Report 2004

# 1

Part A: DEC Data

January – February – March  
2004



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

<b>MONITORING SITE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>
<b>Central East Sydney region</b>				
<b>CHULLORA</b>				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	84	93	78
	Average	2.0	1.8	1.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	4.3	4.3	3.4
	90-percentile Value	7.2	7.4	6.0
	Maximum 1-hour Value	8.5	10.5	7.6
	Maximum 4-hour Value	7.5	8.6	6.8
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	1 (3)	0 (0)
	No. Days Above Level	0 (0)	1 (1)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	1 (10)	3 (14)	0 (3)
	No. Days Above Goal	1 (2)	2 (4)	0 (1)
<b>EARLWOOD</b>				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	96	96	96
	Average	1.9	1.7	1.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.8	3.5	3.2
	90-percentile Value	7.0	5.3	5.1
	Maximum 1-hour Value	7.5	7.7	6.0
	Maximum 4-hour Value	6.9	6.7	5.6
	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 (10)	0 (3)	0 (0)
	No. Days Above Goal	0 (4)	0 (1)	0 (0)
<b>LINDFIELD</b>				
Bradfield Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	94	90
	Average	2.1	2.0	1.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	4.4	4.2	3.3
	90-percentile Value	7.2	6.6	5.2
	Maximum 1-hour Value	8.6	10.4	6.1
	Maximum 4-hour Value	7.6	9.6	5.3
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	1 (5)	0 (0)
	No. Days Above Level	0 (0)	1 (1)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	2 (18)	6 (11)	0 (0)
	No. Days Above Goal	1 (5)	2 (2)	0 (0)

\*\*\* Data not available

2004 Data

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

**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	JAN	FEB	MAR
<b>Central East Sydney region (Cont'd)</b>			
<b>RANDWICK</b>			
Randwick Barracks			
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:		
	% Sampling Time	94	94
	Average	2.1	2.1
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	3.7	3.6
	90-percentile Value	6.7	5.8
	Maximum 1-hour Value	7.7	6.5
	Maximum 4-hour Value	6.9	6.3
	NEPM STANDARD LEVEL:		
	No. Hours Above Level	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:		
	No. Hours Above Goal	0 (5)	0 (2)
	No. Days Above Goal	0 (2)	0 (1)
<b>ROZELLE</b>			
Rozelle Hospital			
Balmain Rd	ALL HOURS IN MONTH:		
	% Sampling Time	93	83
	Average	2.0	1.5
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	3.8	3.2
	90-percentile Value	6.9	4.7
	Maximum 1-hour Value	7.6	7.1
	Maximum 4-hour Value	7.1	6.3
	NEPM STANDARD LEVEL:		
	No. Hours Above Level	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:		
	No. Hours Above Goal	0 (11)	0 (2)
	No. Days Above Goal	0 (4)	0 (1)
<b>WOOLOOWARE</b>			
Woollooware Rd			
	ALL HOURS IN MONTH:		
	% Sampling Time	95	87
	Average	2.2	1.9
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	3.8	3.2
	90-percentile Value	6.7	5.1
	Maximum 1-hour Value	10.8	5.9
	Maximum 4-hour Value	8.4	5.3
	NEPM STANDARD LEVEL:		
	No. Hours Above Level	1 (3)	0 (0)
	No. Days Above Level	1 (1)	0 (0)
	NSW GOV'T LONG TERM GOAL:		
	No. Hours Above Goal	4 (9)	0 (0)
	No. Days Above Goal	2 (3)	0 (0)

\*\*\* Data not available

2004 Data

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

**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	JAN	FEB	MAR
<b>North West Sydney region</b>			
<b>BLACKTOWN</b>			
Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	96	87
Average	2.3	2.2	1.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	5.2	5.2	3.7
90-percentile Value	8.6	8.3	5.2
Maximum 1-hour Value	9.2	12.3	10.1
Maximum 4-hour Value	8.1	10.7	8.7
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (1)	3 (7)	1 (2)
No. Days Above Level	0 (1)	1 (2)	1 (1)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	6 (28)	8 (27)	3 (4)
No. Days Above Goal	4 (7)	3 (7)	1 (1)
<b>RICHMOND</b>			
University Of Western Sydney			
Vines Rd			
ALL HOURS IN MONTH:			
% Sampling Time	70	96	87
Average	2.3	2.3	1.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	4.9	5.2	4.0
90-percentile Value	7.3	7.8	5.7
Maximum 1-hour Value	7.9	9.6	8.1
Maximum 4-hour Value	7.5	8.8	7.4
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (4)	0 (0)
No. Days Above Level	0 (0)	0 (1)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (14)	7 (22)	1 (7)
No. Days Above Goal	0 (4)	2 (6)	1 (2)
<b>ST MARYS</b>			
Mamre Rd			
ALL HOURS IN MONTH:			
% Sampling Time	94	95	96
Average	2.2	2.1	1.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	5.2	5.2	4.0
90-percentile Value	8.0	8.1	5.6
Maximum 1-hour Value	10.7	14.2	10.1
Maximum 4-hour Value	9.4	12.8	7.8
NEPM STANDARD LEVEL:			
No. Hours Above Level	2 (3)	4 (6)	1 (0)
No. Days Above Level	1 (1)	1 (1)	1 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	5 (19)	8 (24)	2 (4)
No. Days Above Goal	3 (6)	3 (5)	1 (1)

\*\*\* Data not available

2004 Data

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

**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		JAN	FEB	MAR
<b>North West Sydney region (Cont'd)</b>				
VINEYARD				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	96
	Average	2.6	2.4	1.9
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	5.3	5.4	4.2
	90-percentile Value	7.0	9.0	5.8
	Maximum 1-hour Value	8.4	10.4	9.2
	Maximum 4-hour Value	7.9	9.6	8.1
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	2 (7)	0 (1)
	No. Days Above Level	0 (0)	1 (2)	0 (1)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	2 (17)	8 (25)	2 (9)
	No. Days Above Goal	1 (6)	3 (6)	1 (2)
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	96	96	95
	Average	2.1	2.0	1.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	4.8	4.8	3.6
	90-percentile Value	7.8	8.5	5.5
	Maximum 1-hour Value	9.3	9.7	9.1
	Maximum 4-hour Value	7.5	8.5	8.5
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (5)	0 (2)
	No. Days Above Level	0 (0)	0 (2)	0 (1)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	3 (19)	10 (24)	3 (5)
	No. Days Above Goal	3 (5)	4 (6)	1 (1)
<b>South West Sydney region</b>				
BARGO				
Silica Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	94	91
	Average	2.6	2.4	2.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	5.3	5.0	4.0
	90-percentile Value	8.9	7.8	6.0
	Maximum 1-hour Value	9.7	9.8	7.7
	Maximum 4-hour Value	8.3	9.0	6.1
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (2)	0 (4)	0 (0)
	No. Days Above Level	0 (1)	0 (2)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	7 (29)	6 (29)	0 (2)
	No. Days Above Goal	5 (7)	2 (9)	0 (2)

\*\*\* Data not available

2004 Data

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

**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	JAN	FEB	MAR
<b>South West Sydney region (Cont'd)</b>			
<b>BRINGELLY</b>			
Ramsay Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	96	92
Average	2.4	2.2	1.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	5.5	5.4	4.0
90-percentile Value	9.6	9.3	6.2
Maximum 1-hour Value	10.8	12.2	9.1
Maximum 4-hour Value	9.3	11.0	7.6
NEPM STANDARD LEVEL:			
No. Hours Above Level	3 (5)	4 (9)	0 (0)
No. Days Above Level	3 (3)	2 (3)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	10 (34)	11 (38)	1 (6)
No. Days Above Goal	5 (9)	5 (8)	1 (2)
<b>LIVERPOOL</b>			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	92
Average	2.0	1.8	1.4
DAILY 1-HOUR MAXIMA:			
Monthly Average	4.7	5.0	3.6
90-percentile Value	7.9	9.5	5.6
Maximum 1-hour Value	8.5	11.3	8.3
Maximum 4-hour Value	7.0	9.2	7.1
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	3 (9)	0 (0)
No. Days Above Level	0 (0)	2 (4)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	3 (17)	13 (28)	1 (3)
No. Days Above Goal	3 (6)	6 (6)	1 (1)
<b>OAKDALE</b>			
Ridge Rd			
ALL HOURS IN MONTH:			
% Sampling Time	93	96	67
Average	3.0	2.9	2.4
DAILY 1-HOUR MAXIMA:			
Monthly Average	5.6	5.5	3.9
90-percentile Value	9.5	9.8	5.9
Maximum 1-hour Value	10.5	12.4	6.8
Maximum 4-hour Value	9.3	9.9	6.1
NEPM STANDARD LEVEL:			
No. Hours Above Level	4 (11)	3 (8)	0 (0)
No. Days Above Level	3 (4)	3 (2)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	11 (38)	8 (30)	0 (1)
No. Days Above Goal	4 (9)	4 (8)	0 (1)

\*\*\* Data not available

2004 Data

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

**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	JAN	FEB	MAR
<b>Illawarra region</b>			
ALBION PARK			
Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	95
Average	2.2	2.0	1.9
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.9	3.5	3.4
90-percentile Value	6.4	5.0	5.1
Maximum 1-hour Value	11.2	9.0	7.4
Maximum 4-hour Value	9.2	8.0	6.0
NEPM STANDARD LEVEL:			
No. Hours Above Level	2 (4)	0 (0)	0 (0)
No. Days Above Level	1 (1)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	2 (14)	2 (5)	0 (1)
No. Days Above Goal	1 (2)	1 (1)	0 (1)
<b>KEMBLA GRANGE</b>			
Kembla Grange Racecourse			
Princes Hwy			
ALL HOURS IN MONTH:			
% Sampling Time	95	76	95
Average	2.2	1.9	1.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.9	3.7	3.3
90-percentile Value	5.6	5.9	5.1
Maximum 1-hour Value	11.5	10.8	6.7
Maximum 4-hour Value	9.5	10.0	5.7
NEPM STANDARD LEVEL:			
No. Hours Above Level	1 (4)	2 (4)	0 (0)
No. Days Above Level	1 (1)	1 (1)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	4 (11)	4 (6)	0 (0)
No. Days Above Goal	1 (2)	1 (1)	0 (0)
<b>WARRAWONG</b>			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	96	95	94
Average	2.2	2.0	2.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.8	3.4	3.5
90-percentile Value	6.1	5.5	5.0
Maximum 1-hour Value	11.5	6.7	8.2
Maximum 4-hour Value	8.7	5.8	7.0
NEPM STANDARD LEVEL:			
No. Hours Above Level	1 (3)	0 (0)	0 (0)
No. Days Above Level	1 (1)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	2 (8)	0 (0)	1 (4)
No. Days Above Goal	1 (2)	0 (0)	1 (1)

\*\*\* Data not available

2004 Data

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



**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	JAN	FEB	MAR
<b>Illawarra region (Cont'd)</b>			
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	93	88	95
Average	2.0	1.8	1.8
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.8	3.4	3.6
90-percentile Value	7.3	5.4	5.7
Maximum 1-hour Value	10.3	7.2	8.4
Maximum 4-hour Value	9.0	6.4	6.7
NEPM STANDARD LEVEL:			
No. Hours Above Level	2 (4)	0 (0)	0 (0)
No. Days Above Level	1 (1)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	4 (12)	0 (3)	1 (3)
No. Days Above Goal	3 (2)	0 (1)	1 (1)
<b>Lower Hunter region</b>			
BERESFIELD			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	96
Average	2.3	2.1	1.8
DAILY 1-HOUR MAXIMA:			
Monthly Average	4.5	4.5	3.7
90-percentile Value	6.6	6.6	6.0
Maximum 1-hour Value	7.6	10.5	7.9
Maximum 4-hour Value	6.6	6.5	7.5
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	1 (0)	0 (0)
No. Days Above Level	0 (0)	1 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (6)	1 (11)	0 (4)
No. Days Above Goal	0 (4)	1 (4)	0 (1)
NEWCASTLE			
Athletics Field			
Smith St			
ALL HOURS IN MONTH:			
% Sampling Time	95	96	86
Average	2.2	2.0	2.0
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.7	3.7	3.4
90-percentile Value	5.8	5.9	5.1
Maximum 1-hour Value	6.8	11.2	7.6
Maximum 4-hour Value	5.9	7.1	7.3
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	1 (0)	0 (0)
No. Days Above Level	0 (0)	1 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	1 (5)	0 (4)
No. Days Above Goal	0 (0)	1 (2)	0 (1)

\*\*\* Data not available

2004 Data

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

**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		JAN	FEB	MAR
<b>Lower Hunter region (Cont'd)</b>				
WALLSEND				
Swimming Pool				
Frances St	ALL HOURS IN MONTH:			
	% Sampling Time	95	69	95
	Average	2.1	1.8	1.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	4.1	3.8	3.3
	90-percentile Value	6.3	5.4	4.9
	Maximum 1-hour Value	7.0	10.3	7.8
	Maximum 4-hour Value	5.7	6.6	7.2
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	1 (0)	0 (0)
	No. Days Above Level	0 (0)	1 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	1 (3)	0 (4)
	No. Days Above Goal	0 (0)	1 (1)	0 (1)
<b>Central Tablelands region</b>				
BATHURST				
Wastewater Treatment Plant				
Off Morrisset St	ALL HOURS IN MONTH:			
	% Sampling Time	96	96	95
	Average	2.6	2.5	1.9
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	4.6	4.7	4.0
	90-percentile Value	5.7	6.6	5.2
	Maximum 1-hour Value	9.2	7.6	5.8
	Maximum 4-hour Value	6.7	6.5	5.5
	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	1 (4)	0 (4)	0 (0)
	No. Days Above Goal	1 (2)	0 (2)	0 (0)

\*\*\* Data not available

2004 Data

( ) 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>)**

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

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

<b>MONITORING SITE</b>		<b>JAN</b>	<b>FEB</b>	<b>MAR</b>
<b>Central East Sydney region</b>				
<b>CHULLORA</b>				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	82	90	72
	Average	1.2	1.2	1.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.5	2.5	2.6
	90-percentile Value	3.9	3.8	4.2
	Maximum 1-hour Value	5.1	5.1	5.1
	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>EARLWOOD</b>				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	96	96	95
	Average	0.9	1.0	1.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.0	2.2	2.4
	90-percentile Value	3.1	4.1	3.8
	Maximum 1-hour Value	3.7	5.0	4.6
	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>LINDFIELD</b>				
Bradfield Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	78	92	82
	Average	0.7	0.7	0.9
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.6	1.6	1.7
	90-percentile Value	2.2	2.1	2.6
	Maximum 1-hour Value	2.4	3.1	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

\*\*\* Data not available

2004 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>JAN</b>	<b>FEB</b>	<b>MAR</b>	
<b>Central East Sydney region (Cont'd)</b>				
<b>RANDWICK</b>				
Randwick Barracks				
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:			
	% Sampling Time	94	95	94
	Average	0.8	0.6	0.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.9	1.8	2.0
	90-percentile Value	3.0	3.0	3.3
	Maximum 1-hour Value	3.7	5.4	4.7
	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>ROZELLE</b>				
Rozelle Hospital				
Balmain Rd	ALL HOURS IN MONTH:			
	% Sampling Time	93	95	93
	Average	1.1	1.1	1.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.2	2.4	2.4
	90-percentile Value	3.6	4.1	3.8
	Maximum 1-hour Value	3.8	6.4	4.8
	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>SYDNEY</b>				
Grace Bros				
Cnr George & Market	ALL HOURS IN MONTH:			
	% Sampling Time	95	96	96
	Average	2.7	2.7	3.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	4.4	4.6	5.1
	90-percentile Value	6.4	5.8	7.8
	Maximum 1-hour Value	6.7	7.4	9.2
	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

2004 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>JAN</b>	<b>FEB</b>	<b>MAR</b>
<b>Central East Sydney region (Cont'd)</b>			
WOOLOOWARE			
Woolooware Rd			
ALL HOURS IN MONTH:			
% Sampling Time	94	78	82
Average	0.6	0.7	0.8
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.5	1.8	2.0
90-percentile Value	2.6	4.1	3.4
Maximum 1-hour Value	4.8	5.3	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
<b>North West Sydney region</b>			
BLACKTOWN			
Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	96	89
Average	1.0	1.1	1.4
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.0	2.3	2.5
90-percentile Value	2.9	3.4	3.8
Maximum 1-hour Value	3.3	4.3	4.5
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
RICHMOND			
University Of Western Sydney			
Vines Rd			
ALL HOURS IN MONTH:			
% Sampling Time	82	96	89
Average	0.6	0.6	0.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.4	1.5	1.6
90-percentile Value	2.2	2.1	3.1
Maximum 1-hour Value	3.5	3.4	3.7
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

2004 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>JAN</b>	<b>FEB</b>	<b>MAR</b>
<b>North West Sydney region (Cont'd)</b>			
<b>ST MARYS</b>			
Mamre Rd			
ALL HOURS IN MONTH:			
% Sampling Time	94	95	96
Average	0.8	0.8	0.9
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.7	1.9	1.9
90-percentile Value	2.7	2.9	3.1
Maximum 1-hour Value	3.5	4.4	4.4
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>VINEYARD</b>			
Castle Hill STP			
Bandon Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	95	96
Average	0.6	0.7	0.8
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.4	1.6	1.7
90-percentile Value	2.1	2.6	3.2
Maximum 1-hour Value	2.5	3.7	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>WESTMEAD</b>			
Westmead Hospital			
Hainsworth St			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	95
Average	1.0	1.0	1.3
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.0	2.2	2.4
90-percentile Value	2.8	3.3	3.4
Maximum 1-hour Value	3.3	3.9	4.0
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

2004 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>JAN</b>	<b>FEB</b>	<b>MAR</b>
<b>South West Sydney region</b>			
<b>BARGO</b>			
Silica Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	95
Average	0.6	0.6	0.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.6	1.9	1.8
90-percentile Value	2.7	2.8	3.9
Maximum 1-hour Value	2.9	5.9	5.1
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>BRINGELLY</b>			
Ramsay Rd			
ALL HOURS IN MONTH:			
% Sampling Time	92	84	92
Average	0.5	0.6	0.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.2	1.3	1.4
90-percentile Value	1.8	2.2	2.0
Maximum 1-hour Value	2.8	2.7	3.3
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>CAMDEN</b>			
Camden Airport			
Aerodrome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	96
Average	0.6	0.6	0.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.2	1.4	1.4
90-percentile Value	1.8	2.0	2.2
Maximum 1-hour Value	2.6	2.8	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

\*\*\* Data not available

2004 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>JAN</b>	<b>FEB</b>	<b>MAR</b>
<b>LIVERPOOL</b>			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	91
Average	1.0	1.1	1.4
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.2	2.3	2.5
90-percentile Value	3.2	3.2	3.5
Maximum 1-hour Value	4.8	5.7	5.0
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	93	95	67
Average	0.3	0.2	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.6	0.6	0.7
90-percentile Value	1.1	1.3	1.2
Maximum 1-hour Value	1.3	1.6	1.5
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

\*\*\* Data not available



**TABLE 2 (Cont'd)**

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

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

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

<b>MONITORING SITE</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>
<b>Illawarra region</b>			
ALBION PARK			
Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	95
Average	0.4	0.4	0.4
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.0	1.2	1.1
90-percentile Value	1.8	2.7	2.3
Maximum 1-hour Value	2.1	3.4	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
<b>KEMBLA GRANGE</b>			
Kembla Grange Racecourse			
Princes Hwy			
ALL HOURS IN MONTH:			
% Sampling Time	92	95	95
Average	0.6	0.7	0.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.3	1.6	1.5
90-percentile Value	2.0	3.0	2.3
Maximum 1-hour Value	2.8	3.6	3.0
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	96	79	90
Average	0.5	0.6	0.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.4	1.5	1.6
90-percentile Value	2.3	2.9	3.0
Maximum 1-hour Value	2.8	3.1	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

\*\*\* Data not available

2004 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>JAN</b>	<b>FEB</b>	<b>MAR</b>
<b>Illawarra region (Cont'd)</b>			
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	83	95	95
Average	0.8	0.9	0.9
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.9	1.9	2.0
90-percentile Value	2.8	2.7	3.2
Maximum 1-hour Value	3.3	4.4	3.9
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>Lower Hunter region</b>			
BERESFIELD			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	95	96	96
Average	0.6	0.7	0.8
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.4	1.6	1.7
90-percentile Value	2.0	2.2	2.4
Maximum 1-hour Value	2.1	2.4	3.9
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
NEWCASTLE			
Athletics Field			
Smith St			
ALL HOURS IN MONTH:			
% Sampling Time	95	96	89
Average	0.6	0.6	0.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.4	1.4	1.6
90-percentile Value	2.5	2.5	2.7
Maximum 1-hour Value	2.8	3.0	4.0
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

2004 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		JAN	FEB	MAR
<b>Lower Hunter region (Cont'd)</b>				
WALLSEND				
Swimming Pool				
Frances St	ALL HOURS IN MONTH:			
	% Sampling Time	95	76	95
	Average	0.6	0.6	0.8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.3	1.4	1.6
	90-percentile Value	1.9	1.9	2.3
	Maximum 1-hour Value	2.2	2.2	3.9
	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

2004 Data

**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		JAN		FEB		MAR	
		NO <sub>x</sub>	NO	NO <sub>x</sub>	NO	NO <sub>x</sub>	NO
<b>Central East Sydney region</b>							
<b>CHULLORA</b>							
Southern Sydney TAFE							
Worth St	ALL HOURS IN MONTH:						
	% Sampling Time	82	82	90	90	72	72
	Average	2.0	0.8	2.4	1.2	3.6	2.0
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	5.7	3.6	8.6	6.5	10.5	8.4
	90-percentile Value	10.1	7.3	18.8	14.1	19.5	17.7
	Maximum 1-hour Value	18.7	15.4	28.7	26.1	21.2	19.0
<b>EARLWOOD</b>							
Beaman Park							
Riverview Rd	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	96	96	95	95
	Average	1.6	0.7	2.0	1.0	2.9	1.8
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	4.8	3.1	6.7	5.0	9.9	8.1
	90-percentile Value	9.6	7.6	14.4	12.7	18.7	16.5
	Maximum 1-hour Value	15.0	13.3	25.8	22.8	22.2	20.1
<b>LINDFIELD</b>							
Bradfield Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	78	78	92	92	82	82
	Average	1.0	0.3	1.0	0.4	1.6	0.8
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	3.0	1.7	3.8	2.5	5.9	4.6
	90-percentile Value	6.1	4.3	6.6	5.5	11.8	10.2
	Maximum 1-hour Value	8.8	7.7	13.0	11.8	14.6	12.6
<b>RANDWICK</b>							
Randwick Barracks							
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	95	95	94	94
	Average	1.2	0.4	1.0	0.4	1.4	0.7
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	3.9	2.2	4.0	2.4	6.1	4.4
	90-percentile Value	7.2	4.7	9.2	6.8	14.6	11.9
	Maximum 1-hour Value	16.6	13.9	16.4	11.2	17.9	15.3
<b>ROZELLE</b>							
Rozelle Hospital							
Balmain Rd	ALL HOURS IN MONTH:						
	% Sampling Time	93	93	95	95	93	93
	Average	1.5	0.5	1.7	0.6	2.2	1.0
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	4.1	2.2	5.1	3.2	6.5	4.5
	90-percentile Value	7.3	5.1	9.4	7.9	11.8	9.5
	Maximum 1-hour Value	12.5	9.7	15.0	10.3	14.8	12.6

\*\*\* Data not available

2004 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		JAN		FEB		MAR	
		NO <sub>x</sub>	NO	NO <sub>x</sub>	NO	NO <sub>x</sub>	NO
<b>Central East Sydney region (Cont'd)</b>							
SYDNEY							
Grace Bros							
Cnr George & Market	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	96	96	96	96
	Average	13.5	10.8	15.0	12.3	15.3	12.4
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	26.3	22.7	29.9	25.9	30.2	25.9
	90-percentile Value	39.4	35.7	43.1	37.9	40.0	35.0
	Maximum 1-hour Value	54.8	48.1	50.7	44.9	59.1	50.7
WOOLOOWARE							
Woollooware Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	78	78	82	82
	Average	0.8	0.2	1.1	0.4	1.4	0.6
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	2.2	1.0	3.3	1.9	4.7	3.2
	90-percentile Value	4.4	2.7	8.3	6.2	9.9	7.5
	Maximum 1-hour Value	7.0	4.4	10.1	7.8	19.7	16.4
<b>North West Sydney region</b>							
BLACKTOWN							
Flushcombe Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	96	96	89	89
	Average	1.5	0.5	1.7	0.7	2.6	1.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	4.5	2.8	5.8	3.8	8.4	6.5
	90-percentile Value	9.4	7.7	10.1	8.1	15.9	13.3
	Maximum 1-hour Value	12.1	10.0	13.3	11.8	24.0	22.2
RICHMOND							
University Of Western Sydney							
Vines Rd	ALL HOURS IN MONTH:						
	% Sampling Time	82	82	96	96	89	89
	Average	0.7	0.2	0.9	0.2	1.1	0.4
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	2.0	0.9	2.5	1.4	2.7	1.7
	90-percentile Value	3.8	1.9	3.6	2.6	4.8	3.5
	Maximum 1-hour Value	4.1	3.2	4.0	2.9	6.9	6.3
ST MARYS							
Mamre Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	95	95	96	96
	Average	1.2	0.4	1.1	0.3	1.4	0.5
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	4.5	3.2	3.4	2.0	3.4	2.4
	90-percentile Value	8.0	5.5	6.0	3.8	5.8	4.7
	Maximum 1-hour Value	35.4	35.1	8.4	5.5	6.6	5.5

\*\*\* Data not available

2004 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		JAN		FEB		MAR	
		NO <sub>x</sub>	NO	NO <sub>x</sub>	NO	NO <sub>x</sub>	NO
<b>North West Sydney region (Cont'd)</b>							
VINEYARD							
Castle Hill STP							
Bandon Rd	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	95	95	96	96
	Average	0.8	0.2	0.9	0.2	1.1	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	2.2	1.0	2.8	1.5	3.3	2.1
	90-percentile Value	3.6	2.3	4.4	3.3	5.9	4.4
	Maximum 1-hour Value	5.5	3.4	6.2	5.0	7.3	6.0
WESTMEAD							
Westmead Hospital							
Hainsworth St	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	95	95	95	95
	Average	1.5	0.6	1.8	0.8	3.2	2.0
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	5.4	3.7	6.9	5.2	11.5	9.8
	90-percentile Value	11.5	9.3	13.0	11.7	23.0	21.0
	Maximum 1-hour Value	13.9	12.1	15.8	14.2	24.2	22.8
<b>South West Sydney region</b>							
BARGO							
Silica Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	95	95	95	95
	Average	0.8	0.3	0.9	0.3	1.3	0.6
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	3.6	2.2	4.0	2.4	5.7	4.1
	90-percentile Value	8.1	6.3	8.0	6.5	12.5	10.2
	Maximum 1-hour Value	12.8	10.3	10.0	8.5	15.2	11.3
BRINGELLY							
Ramsay Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	92	92	84	84	92	92
	Average	0.8	0.2	0.9	0.3	1.0	0.4
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	1.9	0.9	2.4	1.4	2.3	1.5
	90-percentile Value	3.3	2.2	3.5	2.8	3.5	2.7
	Maximum 1-hour Value	3.9	2.8	4.4	3.7	4.2	3.4
CAMDEN							
Camden Airport							
Aerodrome Rd	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	95	95	96	96
	Average	0.7	0.1	0.8	0.2	0.9	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	1.8	0.8	2.0	1.0	2.6	1.6
	90-percentile Value	3.4	2.4	3.2	2.4	4.9	4.0
	Maximum 1-hour Value	4.3	3.0	4.3	3.4	6.3	4.7

\*\*\* Data not available

2004 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	JAN		FEB		MAR	
	NO <sub>x</sub>	NO	NO <sub>x</sub>	NO	NO <sub>x</sub>	NO
<b>LIVERPOOL</b>						
Rose St						
ALL HOURS IN MONTH:						
% Sampling Time						
	95	95	95	95	91	91
Average						
	1.6	0.6	2.2	1.2	3.4	2.1
DAILY 1-HOUR MAXIMA:						
Monthly Average						
	5.0	3.3	8.4	6.6	10.2	8.5
90-percentile Value						
	9.1	7.3	19.3	17.4	20.5	18.8
Maximum 1-hour Value						
	17.9	15.5	21.9	19.9	28.0	25.4
<b>OAKDALE</b>						
Ridge Rd						
ALL HOURS IN MONTH:						
% Sampling Time						
	93	93	95	95	67	67
Average						
	0.3	0.0	0.2	0.0	0.2	0.0
DAILY 1-HOUR MAXIMA:						
Monthly Average						
	0.7	0.1	0.7	0.1	0.7	0.1
90-percentile Value						
	1.1	0.2	1.4	0.1	1.1	0.2
Maximum 1-hour Value						
	1.3	0.3	1.7	1.0	1.5	0.3
<b>Illawarra region</b>						
<b>ALBION PARK</b>						
Croome Rd						
ALL HOURS IN MONTH:						
% Sampling Time						
	95	95	95	95	95	95
Average						
	0.5	0.1	0.5	0.1	0.6	0.1
DAILY 1-HOUR MAXIMA:						
Monthly Average						
	1.5	0.6	1.6	0.5	1.6	0.7
90-percentile Value						
	2.5	1.4	3.7	1.1	3.3	1.7
Maximum 1-hour Value						
	4.4	2.9	4.0	2.1	3.8	2.6
<b>KEMBLA GRANGE</b>						
Kembla Grange Racecourse						
Princes Hwy						
ALL HOURS IN MONTH:						
% Sampling Time						
	92	92	95	95	95	95
Average						
	0.8	0.2	0.8	0.2	1.0	0.4
DAILY 1-HOUR MAXIMA:						
Monthly Average						
	2.2	1.0	2.6	1.3	3.8	2.7
90-percentile Value						
	4.1	2.5	4.3	2.8	10.1	8.1
Maximum 1-hour Value						
	7.2	4.8	7.2	5.0	11.7	10.1

\*\*\* Data not available

2004 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	JAN		FEB		MAR		
	NO <sub>x</sub>	NO	NO <sub>x</sub>	NO	NO <sub>x</sub>	NO	
<b>Illawarra region (Cont'd)</b>							
WARRAWONG							
Carlotta Cres							
	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	79	79	90	90
	Average	0.7	0.2	0.8	0.2	1.0	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	2.0	0.7	2.4	1.1	3.4	2.0
	90-percentile Value	3.3	1.7	4.6	2.5	7.8	5.8
	Maximum 1-hour Value	4.0	2.2	6.3	4.3	16.7	13.4
WOLLONGONG							
Gipps St							
	ALL HOURS IN MONTH:						
	% Sampling Time	83	83	95	95	95	95
	Average	1.3	0.5	1.5	0.6	1.8	0.8
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	3.8	2.3	5.9	4.2	6.9	5.2
	90-percentile Value	5.9	3.9	12.1	9.7	13.2	11.5
	Maximum 1-hour Value	12.5	10.5	20.5	18.3	28.8	26.8
<b>Lower Hunter region</b>							
BERESFIELD							
Francis Greenway							
High School							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	96	96	96	96
	Average	0.9	0.3	1.3	0.6	1.7	0.9
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	2.6	1.4	4.3	2.9	5.7	4.3
	90-percentile Value	4.9	3.7	8.2	6.7	9.8	8.6
	Maximum 1-hour Value	6.7	4.7	14.2	13.3	15.9	14.5
NEWCASTLE							
Athletics Field							
Smith St							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	96	96	89	89
	Average	0.9	0.3	0.9	0.3	1.1	0.5
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	2.8	1.5	2.9	1.6	3.7	2.4
	90-percentile Value	5.3	4.0	5.5	4.1	7.6	5.2
	Maximum 1-hour Value	10.2	7.5	8.2	6.2	9.6	7.9
WALLSEND							
Swimming Pool							
Frances St							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	76	76	95	95
	Average	0.8	0.2	1.0	0.3	1.2	0.5
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	2.4	1.3	3.3	2.1	3.9	2.7
	90-percentile Value	4.1	3.1	6.7	5.6	7.2	6.3
	Maximum 1-hour Value	8.5	7.0	11.1	9.9	7.8	6.6

\*\*\* Data not available

2004 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		JAN	FEB	MAR
<b>Central East Sydney region</b>				
CHULLORA				
Southern Sydney TAFE				
Worth St				
	% Sampling Time	87	88	78
	Monthly Average	0.2	0.3	0.3
	90-percentile Value	0.4	0.5	0.6
	Maximum 24-hour Average	0.7	0.6	0.6
	Maximum 1-hour Value	1.6	1.0	1.3
EARLWOOD				
Beaman Park				
Riverview Rd				
	% Sampling Time	99	98	99
	Monthly Average	0.1	0.3	0.3
	90-percentile Value	0.2	0.5	0.5
	Maximum 24-hour Average	0.2	0.6	0.6
	Maximum 1-hour Value	0.5	1.0	1.5
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts				
	% Sampling Time	97	99	97
	Monthly Average	0.3	0.3	0.3
	90-percentile Value	0.5	0.5	0.6
	Maximum 24-hour Average	0.6	0.6	0.6
	Maximum 1-hour Value	1.6	1.0	0.9
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	% Sampling Time	96	99	97
	Monthly Average	0.2	0.3	0.3
	90-percentile Value	0.4	0.6	0.6
	Maximum 24-hour Average	0.5	0.7	0.6
	Maximum 1-hour Value	2.2	1.0	1.0
WOOLLOOWARE				
Woollooware Rd				
	% Sampling Time	98	85	97
	Monthly Average	0.3	0.3	0.3
	90-percentile Value	0.4	0.6	0.5
	Maximum 24-hour Average	0.5	0.7	0.6
	Maximum 1-hour Value	1.2	1.0	0.8

\*\*\* Data not available

2004 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		JAN	FEB	MAR
<b>North West Sydney region</b>				
BLACKTOWN				
Flushcombe Rd				
	% Sampling Time	99	99	90
	Monthly Average	0.3	0.3	0.3
	90-percentile Value	0.5	0.5	0.6
	Maximum 24-hour Average	0.7	0.5	0.6
	Maximum 1-hour Value	1.8	1.1	1.1
RICHMOND				
University Of Western Sydney				
Vines Rd				
	% Sampling Time	99	99	92
	Monthly Average	0.2	0.2	0.3
	90-percentile Value	0.5	0.5	0.5
	Maximum 24-hour Average	0.4	0.6	0.7
	Maximum 1-hour Value	1.4	1.0	0.9
ST MARYS				
Mamre Rd				
	% Sampling Time	97	99	99
	Monthly Average	0.3	0.3	0.3
	90-percentile Value	0.5	0.5	0.5
	Maximum 24-hour Average	0.9	0.5	0.6
	Maximum 1-hour Value	1.9	0.9	1.0
WESTMEAD				
Westmead Hospital				
Hainsworth St				
	% Sampling Time	99	99	99
	Monthly Average	0.3	0.2	0.1
	90-percentile Value	0.4	0.4	0.3
	Maximum 24-hour Average	0.9	0.4	0.5
	Maximum 1-hour Value	5.5	0.7	1.2
<b>South West Sydney region</b>				
BARGO				
Silica Rd				
	% Sampling Time	99	98	99
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.5	0.5	0.5
	Maximum 24-hour Average	0.6	0.5	0.5
	Maximum 1-hour Value	2.2	0.8	0.9

\*\*\* Data not available

2004 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		JAN	FEB	MAR
<b>South West Sydney region (Cont'd)</b>				
<b>BRINGELLY</b>				
Ramsay Rd				
	% Sampling Time	95	99	98
	Monthly Average	0.3	0.3	0.3
	90-percentile Value	0.5	0.5	0.5
	Maximum 24-hour Average	1.1	0.5	0.6
	Maximum 1-hour Value	7.1	1.0	0.9
<b>LIVERPOOL</b>				
Rose St				
	% Sampling Time	98	98	***
	Monthly Average	0.3	0.2	***
	90-percentile Value	0.4	0.4	***
	Maximum 24-hour Average	1.1	0.4	***
	Maximum 1-hour Value	4.7	1.0	***
<b>OAKDALE</b>				
Ridge Rd				
	% Sampling Time	71	99	65
	Monthly Average	0.3	0.2	0.2
	90-percentile Value	0.5	0.5	0.5
	Maximum 24-hour Average	1.0	0.5	0.5
	Maximum 1-hour Value	5.1	0.9	0.8
<b>Illawarra region</b>				
<b>ALBION PARK</b>				
Croome Rd				
	% Sampling Time	98	99	98
	Monthly Average	0.2	0.3	0.2
	90-percentile Value	0.4	0.5	0.5
	Maximum 24-hour Average	0.5	0.5	0.6
	Maximum 1-hour Value	0.8	1.0	0.8
<b>KEMBLA GRANGE</b>				
Kembla Grange Racecourse				
Princes Hwy				
	% Sampling Time	99	92	98
	Monthly Average	0.3	0.3	0.2
	90-percentile Value	0.5	0.6	0.5
	Maximum 24-hour Average	0.6	1.1	0.6
	Maximum 1-hour Value	1.2	1.6	0.9

\*\*\* Data not available

2004 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		JAN	FEB	MAR
<b>Illawarra region (Cont'd)</b>				
WOLLONGONG				
Gipps St				
	% Sampling Time	98	96	69
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.4	0.5	0.5
	Maximum 24-hour Average	0.5	0.5	0.6
	Maximum 1-hour Value	1.3	1.2	0.8
<b>Lower Hunter region</b>				
BERESFIELD				
Francis Greenway				
High School				
	% Sampling Time	98	99	99
	Monthly Average	0.2	0.3	0.2
	90-percentile Value	0.3	0.6	0.4
	Maximum 24-hour Average	0.3	0.5	0.5
	Maximum 1-hour Value	0.8	2.0	0.8
NEWCASTLE				
Athletics Field				
Smith St				
	% Sampling Time	72	99	98
	Monthly Average	0.3	0.3	0.3
	90-percentile Value	0.5	0.6	0.5
	Maximum 24-hour Average	0.5	0.6	0.6
	Maximum 1-hour Value	0.9	1.6	1.0
WALLSEND				
Swimming Pool				
Frances St				
	% Sampling Time	98	79	99
	Monthly Average	0.2	0.1	0.2
	90-percentile Value	0.4	0.2	0.4
	Maximum 24-hour Average	0.3	0.2	0.6
	Maximum 1-hour Value	0.8	0.6	0.8
<b>Central Tablelands region</b>				
BATHURST				
Wastewater Treatment Plant				
Off Morrisset St				
	% Sampling Time	87	***	***
	Monthly Average	0.1	***	***
	90-percentile Value	0.3	***	***
	Maximum 24-hour Average	0.3	***	***
	Maximum 1-hour Value	0.7	***	***

\*\*\* Data not available

2004 Data

**TABLE 4.2**

**PARTICULATE MATTER: TOTAL SUSPENDED PARTICULATES (TSP)**

Micrograms per cubic metre at 0° Celsius ( $\mu\text{g}/\text{m}^3$  at 0°C)

24-HOUR CLOCK SAMPLE (6-DAY CYCLE)

MONITORING SITE		JAN	FEB	MAR
<b>Central East Sydney region</b>				
EARLWOOD				
Beaman Park				
Riverview Rd				
	Number of Samples	5	5	5
	Monthly Average	40	50	42
	Highest Value	51	75	62
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	Number of Samples	5	5	5
	Monthly Average	40	47	38
	Highest Value	49	74	59
SYDNEY				
Grace Bros				
Cnr George & Market Sts				
	Number of Samples	5	5	5
	Monthly Average	79	63	72
	Highest Value	103	78	84
<b>Illawarra region</b>				
PORT KEMBLA				
Cnr Church & Kembla Sts				
	Number of Samples	5	5	5
	Monthly Average	98	83	66
	Highest Value	184	151	121
PORT KEMBLA				
Cnr Blaxland Ave				
& Flagstaff Rd				
	Number of Samples	5	5	5
	Monthly Average	57	74	62
	Highest Value	106	110	95
PORT KEMBLA				
Fire Station				
Military Road				
	Number of Samples	5	5	5
	Monthly Average	65	86	77
	Highest Value	141	122	107
WARRAWONG				
Carlotta Cres				
	Number of Samples	5	5	5
	Monthly Average	53	77	69
	Highest Value	103	116	91
<b>Lower Hunter region</b>				
WALLSEND				
Swimming Pool				
Frances St				
	Number of Samples	5	5	5
	Monthly Average	49	43	31
	Highest Value	59	63	47

\*\*\* Data not available

2004 Data

**TABLE 4.3**

**PARTICULATE MATTER: LESS THAN 10µm (PM<sub>10</sub>)**

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

24-HOUR CLOCK SAMPLE (6-DAY CYCLE)

MONITORING SITE		JAN	FEB	MAR
<b>Central East Sydney region</b>				
<b>EARLWOOD</b>				
Beaman Park				
Riverview Rd	Number of Samples	***	***	5
	Monthly Average	***	***	20
	Highest Value	***	***	27
<b>LINDFIELD</b>				
Bradfield Rd	Number of Samples	4	5	5
	Monthly Average	20	18	16
	Highest Value	26	27	24
<b>ROZELLE</b>				
Rozelle Hospital				
Balmain Rd	Number of Samples	5	5	5
	Monthly Average	22	23	20
	Highest Value	28	37	29
<b>SYDNEY</b>				
Grace Bros				
Cnr George & Market Sts	Number of Samples	5	5	5
	Monthly Average	33	29	29
	Highest Value	44	45	40
<b>North West Sydney region</b>				
<b>BLACKTOWN</b>				
Flushcombe Rd	Number of Samples	4	5	5
	Monthly Average	20	19	20
	Highest Value	22	29	30
<b>RICHMOND</b>				
University Of Western Sydney				
Vines Rd	Number of Samples	***	***	5
	Monthly Average	***	***	17
	Highest Value	***	***	28
<b>Illawarra region</b>				
<b>ALBION PARK</b>				
Croome Rd	Number of Samples	5	5	5
	Monthly Average	23	21	18
	Highest Value	34	37	31

\*\*\* Data not available

2004 Data

**TABLE 4.3 (Cont'd)**

**PARTICULATE MATTER: LESS THAN 10µm (PM<sub>10</sub>)**

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

24-HOUR CLOCK SAMPLE (6-DAY CYCLE)

MONITORING SITE		JAN	FEB	MAR
<b>Illawarra region (Cont'd)</b>				
<b>KEMBLA GRANGE</b>				
Kembla Grange Racecourse				
Princes Hwy				
	Number of Samples	5	5	5
	Monthly Average	35	24	19
	Highest Value	72	43	26
<b>WARRAWONG</b>				
Carlotta Cres				
	Number of Samples	5	5	5
	Monthly Average	27	31	26
	Highest Value	44	44	38
<b>WOLLONGONG</b>				
Gipps St				
	Number of Samples	5	5	5
	Monthly Average	24	25	20
	Highest Value	38	43	28
<b>Lower Hunter region</b>				
<b>BERESFIELD</b>				
Francis Greenway				
High School				
	Number of Samples	5	5	5
	Monthly Average	19	19	17
	Highest Value	26	29	24
<b>NEWCASTLE</b>				
Athletics Field				
Smith St				
	Number of Samples	5	5	5
	Monthly Average	25	26	20
	Highest Value	32	41	27
<b>WALLSEND</b>				
Swimming Pool				
Frances St				
	Number of Samples	5	5	5
	Monthly Average	21	21	18
	Highest Value	28	32	25

\*\*\* Data not available

2004 Data

**TABLE 4.4**

**PARTICULATE MATTER: BY TAPERED ELEMENT  
OSCILLATING MICROBALANCE (TEOM-PM<sub>10</sub>)**

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

Micrograms per cubic metre at 0° Celsius (µg/m<sup>3</sup> at 0°C)  
1-HOUR CLOCK AVERAGE

MONITORING SITE		JAN	FEB	MAR
<b>Central East Sydney region</b>				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	86	91	80
	Average	26	29	25
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	49	57	50
	90-percentile Value	80	97	73
	Maximum 1-hour Value	89	147	102
	Maximum 24-hour Value	57	53	35
	NEPM STANDARD LEVEL:			
	No. Days Above Level	1	1	0
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	97	97	96
	Average	26	27	25
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	50	58	47
	90-percentile Value	93	126	61
	Maximum 1-hour Value	106	148	131
	Maximum 24-hour Value	53	49	44
	NEPM STANDARD LEVEL:			
	No. Days Above Level	1	0	0
LINDFIELD				
Bradfield Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	97	36	***
	Average	21	21	***
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	45	51	***
	90-percentile Value	79	89	***
	Maximum 1-hour Value	96	92	***
	Maximum 24-hour Value	38	34	***
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	***
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:			
	% Sampling Time	92	95	97
	Average	26	26	23
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	51	49	43
	90-percentile Value	81	79	73
	Maximum 1-hour Value	86	113	86
	Maximum 24-hour Value	47	49	41
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0

\*\*\* Data not available



**TABLE 4.4 (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		JAN	FEB	MAR
<b>Central East Sydney region (Cont'd)</b>				
ROZELLE				
Rozelle Hospital				
Balmain Rd	ALL HOURS IN MONTH:			
	% Sampling Time	76	93	96
	Average	25	27	23
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	55	53	48
	90-percentile Value	104	100	75
	Maximum 1-hour Value	128	147	146
	Maximum 24-hour Value	48	51	40
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	1	0
WOOLOOWARE				
Woolooware Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	83	98
	Average	21	25	20
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	41	43	36
	90-percentile Value	61	71	56
	Maximum 1-hour Value	90	79	83
	Maximum 24-hour Value	39	41	33
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
<b>North West Sydney region</b>				
BLACKTOWN				
Flushcombe Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	97	98	77
	Average	23	25	21
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	48	50	40
	90-percentile Value	84	80	57
	Maximum 1-hour Value	131	101	77
	Maximum 24-hour Value	42	43	31
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	94	94	94
	Average	23	24	22
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	60	65	53
	90-percentile Value	104	133	96
	Maximum 1-hour Value	133	169	138
	Maximum 24-hour Value	37	46	32
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0

\*\*\* Data not available

2004 Data

**TABLE 4.4 (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	JAN	FEB	MAR
<b>North West Sydney region (Cont'd)</b>			
<b>ST MARYS</b>			
Mamre Rd			
ALL HOURS IN MONTH:			
% Sampling Time	94	97	97
Average	24	25	20
DAILY 1-HOUR MAXIMA:			
Monthly Average	53	57	48
90-percentile Value	90	114	78
Maximum 1-hour Value	138	156	180
Maximum 24-hour Value	49	45	37
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
<b>VINEYARD</b>			
Castle Hill STP			
Bandon Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	98	99
Average	21	22	20
DAILY 1-HOUR MAXIMA:			
Monthly Average	49	44	38
90-percentile Value	98	80	59
Maximum 1-hour Value	113	120	72
Maximum 24-hour Value	38	40	35
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
<b>WESTMEAD</b>			
Westmead Hospital			
Hainsworth St			
ALL HOURS IN MONTH:			
% Sampling Time	98	99	100
Average	22	24	23
DAILY 1-HOUR MAXIMA:			
Monthly Average	58	43	52
90-percentile Value	82	69	80
Maximum 1-hour Value	267	120	182
Maximum 24-hour Value	49	39	45
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
<b>South West Sydney region</b>			
<b>BRINGELLY</b>			
Ramsay Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	98	84
Average	25	24	23
DAILY 1-HOUR MAXIMA:			
Monthly Average	60	53	53
90-percentile Value	92	104	75
Maximum 1-hour Value	278	165	220
Maximum 24-hour Value	60	46	41
NEPM STANDARD LEVEL:			
No. Days Above Level	2	0	0

\*\*\* Data not available

2004 Data

**TABLE 4.4 (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>JAN</b>	<b>FEB</b>	<b>MAR</b>
<b>South West Sydney region (Cont'd)</b>				
<b>CAMPBELLTOWN</b>				
Kanbyugal Reserve				
Cronulla Cres.	ALL HOURS IN MONTH:			
	% Sampling Time	88	84	70
	Average	26	27	22
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	65	70	56
	90-percentile Value	122	135	129
	Maximum 1-hour Value	322	270	165
	Maximum 24-hour Value	65	57	38
	NEPM STANDARD LEVEL:			
	No. Days Above Level	2	1	0
<b>LIVERPOOL</b>				
Rose St				
	ALL HOURS IN MONTH:			
	% Sampling Time	97	97	98
	Average	26	27	25
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	55	52	51
	90-percentile Value	85	85	79
	Maximum 1-hour Value	189	101	132
	Maximum 24-hour Value	60	46	45
	NEPM STANDARD LEVEL:			
	No. Days Above Level	1	0	0
<b>Illawarra region</b>				
<b>ALBION PARK</b>				
Croome Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	92	95	94
	Average	23	24	21
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	50	53	45
	90-percentile Value	83	93	85
	Maximum 1-hour Value	106	115	118
	Maximum 24-hour Value	46	51	42
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	1	0
<b>WARRAWONG</b>				
Carlotta Cres				
	ALL HOURS IN MONTH:			
	% Sampling Time	98	97	99
	Average	26	31	27
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	52	69	52
	90-percentile Value	85	111	79
	Maximum 1-hour Value	106	206	119
	Maximum 24-hour Value	39	56	46
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	1	0

\*\*\* Data not available

2004 Data

**TABLE 4.4 (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		JAN	FEB	MAR
<b>Illawarra region (Cont'd)</b>				
WOLLONGONG				
Gipps St				
	ALL HOURS IN MONTH:			
	% Sampling Time	97	97	98
	Average	25	27	24
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	49	62	47
	90-percentile Value	74	91	93
	Maximum 1-hour Value	93	158	140
	Maximum 24-hour Value	44	48	48
	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	95	97	92
	Average	20	25	22
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	47	54	44
	90-percentile Value	88	105	71
	Maximum 1-hour Value	97	116	80
	Maximum 24-hour Value	33	44	40
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
WALLSEND				
Swimming Pool				
Frances St				
	ALL HOURS IN MONTH:			
	% Sampling Time	97	78	99
	Average	22	24	21
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	41	43	38
	90-percentile Value	61	79	59
	Maximum 1-hour Value	95	85	95
	Maximum 24-hour Value	29	43	34
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
<b>Central Tablelands region</b>				
BATHURST				
Wastewater Treatment Plant				
Off Morrisset St				
	ALL HOURS IN MONTH:			
	% Sampling Time	98	95	95
	Average	20	22	25
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	46	65	65
	90-percentile Value	69	110	132
	Maximum 1-hour Value	87	220	225
	Maximum 24-hour Value	36	38	70
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	1

\*\*\* Data not available

2004 Data

**TABLE 4.4 (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>JAN</b>	<b>FEB</b>	<b>MAR</b>
<b>South West Slopes region</b>				
ALBURY				
Jelbart Park				
Cnr Kaylock Rd & Cambourne St	ALL HOURS IN MONTH:			
	% Sampling Time	***	31	62
	Average	***	25	34
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	***	47	66
	90-percentile Value	***	85	102
	Maximum 1-hour Value	***	98	143
	Maximum 24-hour Value	***	33	42
	NEPM STANDARD LEVEL:			
	No. Days Above Level	***	0	0
WAGGA WAGGA				
Cnr Morgan & Murray Sts				
	ALL HOURS IN MONTH:			
	% Sampling Time	99	98	97
	Average	25	33	44
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	57	91	112
	90-percentile Value	102	131	170
	Maximum 1-hour Value	174	303	529
	Maximum 24-hour Value	46	60	106
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	3	6
<b>North West Slopes region</b>				
TAMWORTH				
Hyman Park				
Off Robert Rd	ALL HOURS IN MONTH:			
	% Sampling Time	87	95	90
	Average	18	20	18
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	47	52	44
	90-percentile Value	65	75	60
	Maximum 1-hour Value	136	143	77
	Maximum 24-hour Value	40	55	34
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	1	0

\*\*\* Data not available

2004 Data

TABLE 4.5

**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		JAN	FEB	MAR
<b>Central East Sydney region</b>				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	90	97	80
	Average	9	9	10
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	19	18	21
	90-percentile Value	34	29	33
	Maximum 1-hour Value	48	45	44
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	97	100	97
	Average	11	12	12
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	19	23	22
	90-percentile Value	27	44	33
	Maximum 1-hour Value	37	46	61
WOOLLOOWARE				
Woollooware Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	94	85	98
	Average	10	11	12
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	18	19	20
	90-percentile Value	28	29	26
	Maximum 1-hour Value	43	41	53
<b>North West Sydney region</b>				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	96	96	97
	Average	11	12	11
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	25	28	24
	90-percentile Value	43	49	38
	Maximum 1-hour Value	54	60	51
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	97	97	98
	Average	14	15	14
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	39	32	36
	90-percentile Value	47	46	63
	Maximum 1-hour Value	239	102	132

\*\*\* Data not available

2004 Data

**TABLE 4.5 (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		JAN	FEB	MAR
<b>South West Sydney region</b>				
LIVERPOOL				
Rose St				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	59	98
	Average	16	15	14
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	33	27	28
	90-percentile Value	51	47	41
	Maximum 1-hour Value	151	54	70
<b>Illawarra region</b>				
WARRAWONG				
Carlotta Cres				
	ALL HOURS IN MONTH:			
	% Sampling Time	99	98	99
	Average	14	15	14
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	27	31	26
	90-percentile Value	37	47	37
	Maximum 1-hour Value	56	74	54
WOLLONGONG				
Gipps St				
	ALL HOURS IN MONTH:			
	% Sampling Time	98	97	97
	Average	12	14	12
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	24	31	23
	90-percentile Value	40	52	35
	Maximum 1-hour Value	60	79	69
<b>Lower Hunter region</b>				
BERESFIELD				
Francis Greenway				
High School				
	ALL HOURS IN MONTH:			
	% Sampling Time	97	97	92
	Average	11	14	13
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	22	27	24
	90-percentile Value	36	43	36
	Maximum 1-hour Value	47	68	44
WALLSEND				
Swimming Pool				
Frances St				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	78	95
	Average	11	11	11
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	23	24	22
	90-percentile Value	35	36	34
	Maximum 1-hour Value	61	70	36

\*\*\* Data not available

2004 Data

**TABLE 5**

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

**NEPM STANDARD LEVEL:**

**1-hour average = 20 pphm**

**24-hour average = 8 pphm**

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE	JAN	FEB	MAR
<b>Central East Sydney region</b>			
LINDFIELD			
Bradfield Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	93	90
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.5	0.3	0.3
90-percentile Value	1.1	0.6	0.7
Maximum 1-hour Value	1.6	0.8	1.0
Maximum 24-hour Value	0.3	0.2	0.2
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	81	95	94
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.8	0.6	0.5
90-percentile Value	1.8	1.2	1.5
Maximum 1-hour Value	2.3	2.4	1.7
Maximum 24-hour Value	0.5	0.2	0.5
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
WOOLOOWARE			
Woolooware Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	78	93
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.4	0.3	0.3
90-percentile Value	1.0	0.7	0.9
Maximum 1-hour Value	1.4	0.8	1.0
Maximum 24-hour Value	0.3	0.3	0.3
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
<b>North West Sydney region</b>			
BLACKTOWN			
Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	93	89
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.5	0.5	0.4
90-percentile Value	0.9	0.9	0.8
Maximum 1-hour Value	1.2	1.3	1.0
Maximum 24-hour Value	0.3	0.4	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

2004 Data



**TABLE 5 (Cont'd)**  
**SULFUR DIOXIDE (SO<sub>2</sub>)**

**NEPM STANDARD LEVEL:**  
**1-hour average = 20 pphm**  
**24-hour average = 8 pphm**

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

MONITORING SITE		JAN	FEB	MAR
<b>North West Sydney region (Cont'd)</b>				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	83	96	89
	Average	0.1	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.3	0.2	0.2
	90-percentile Value	0.6	0.6	0.6
	Maximum 1-hour Value	1.1	0.8	1.2
	Maximum 24-hour Value	0.2	0.2	0.3
	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	96	95	96
	Average	0.1	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.3	0.4	0.3
	90-percentile Value	0.7	1.0	0.8
	Maximum 1-hour Value	1.5	1.1	1.4
	Maximum 24-hour Value	0.3	0.3	0.3
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
<b>South West Sydney region</b>				
BARGO				
Silica Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	78	95	96
	Average	0.0	0.1	0.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.2	0.2	0.1
	90-percentile Value	0.4	0.5	0.2
	Maximum 1-hour Value	0.7	1.1	0.3
	Maximum 24-hour Value	0.2	0.2	0.1
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
BRINGELLY				
Ramsay Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	92	75
	Average	0.1	0.0	0.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.2	0.2	0.1
	90-percentile Value	0.6	0.6	0.3
	Maximum 1-hour Value	0.8	1.5	0.3
	Maximum 24-hour Value	0.1	0.2	0.1
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)

\*\*\* Data not available

2004 Data

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

**TABLE 5 (Cont'd)**  
**SULFUR DIOXIDE (SO<sub>2</sub>)**

**NEPM STANDARD LEVEL:**  
**1-hour average = 20 pphm**  
**24-hour average = 8 pphm**

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

MONITORING SITE	JAN	FEB	MAR
<b>Illawarra region</b>			
ALBION PARK Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	91	95
Average	0.2	0.2	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.7	0.6	0.3
90-percentile Value	1.9	2.2	1.1
Maximum 1-hour Value	2.5	2.9	1.6
Maximum 24-hour Value	0.9	0.8	0.4
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
<b>WARRAWONG</b>			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	96	91	94
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.6	0.5	0.6
90-percentile Value	1.6	1.0	2.3
Maximum 1-hour Value	4.0	3.9	2.9
Maximum 24-hour Value	0.6	0.4	0.6
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
<b>WOLLONGONG</b>			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	95	93	95
Average	0.2	0.2	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.9	0.7	0.5
90-percentile Value	2.2	1.7	1.2
Maximum 1-hour Value	5.3	2.2	1.4
Maximum 24-hour Value	1.5	0.7	0.6
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	88	92	96
Average	0.1	0.2	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.6	1.0	0.5
90-percentile Value	1.3	2.0	1.4
Maximum 1-hour Value	1.8	2.9	2.5
Maximum 24-hour Value	0.4	0.5	0.5
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

2004 Data

**TABLE 5 (Cont'd)**  
**SULFUR DIOXIDE (SO<sub>2</sub>)**

**NEPM STANDARD LEVEL:**  
**1-hour average = 20 pphm**  
**24-hour average = 8 pphm**

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

MONITORING SITE		JAN	FEB	MAR
<b>Lower Hunter region (Cont'd)</b>				
WALLSEND				
Swimming Pool				
Frances St	ALL HOURS IN MONTH:			
	% Sampling Time	73	76	95
	Average	0.1	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.6	0.7	0.5
	90-percentile Value	1.5	1.2	1.4
	Maximum 1-hour Value	2.2	3.8	4.8
	Maximum 24-hour Value	0.4	0.6	0.7
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)

\*\*\* Data not available

2004 Data

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

**TABLE 6**  
**CARBON MONOXIDE (CO)**

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

Parts per million (ppm)  
1-HOUR CLOCK AVERAGE

MONITORING SITE		JAN	FEB	MAR
<b>Central East Sydney region</b>				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	***	93	74
	Average	***	0.3	0.4
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	***	0.8	1.0
	90-percentile Value	***	1.3	1.5
	Maximum 1-hour Value	***	1.6	1.7
	Maximum 8-hour Value	***	0.8	1.1
	NEPM STANDARD LEVEL:			
	No.Events Above Level	***	0	0
	No. Days Above Level	***	0	0
ROZELLE				
Rozelle Hospital				
Balmain Rd	ALL HOURS IN MONTH:			
	% Sampling Time	93	95	91
	Average	0.2	0.2	0.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.5	0.6	0.7
	90-percentile Value	0.9	1.1	1.1
	Maximum 1-hour Value	1.0	1.5	1.4
	Maximum 8-hour Value	0.6	0.8	0.9
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	0
	No. Days Above Level	0	0	0
SYDNEY				
Grace Bros				
Cnr George & Market	ALL HOURS IN MONTH:			
	% Sampling Time	95	96	96
	Average	1.7	1.8	1.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.9	4.0	3.6
	90-percentile Value	5.6	5.2	5.0
	Maximum 1-hour Value	8.5	9.5	6.0
	Maximum 8-hour Value	4.7	4.5	4.4
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	0
	No. Days Above Level	0	0	0

\*\*\* Data not available

2004 Data

**TABLE 6 (Cont'd)**  
**CARBON MONOXIDE (CO)**

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

Parts per million (ppm)  
 1-HOUR CLOCK AVERAGE

<b>MONITORING SITE</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>
<b>North West Sydney region</b>			
<b>BLACKTOWN</b>			
Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	89
Average	0.0	0.0	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.2	0.3	0.6
90-percentile Value	0.4	1.0	1.4
Maximum 1-hour Value	0.9	1.3	2.1
Maximum 8-hour Value	0.3	0.4	1.2
NEPM STANDARD LEVEL:			
No.Events Above Level	0	0	0
No. Days Above Level	0	0	0
<b>WESTMEAD</b>			
Westmead Hospital			
Hainsworth St			
ALL HOURS IN MONTH:			
% Sampling Time	96	96	95
Average	0.3	0.3	0.5
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.7	0.8	1.2
90-percentile Value	1.2	1.1	1.8
Maximum 1-hour Value	1.2	1.4	2.1
Maximum 8-hour Value	0.8	0.7	1.3
NEPM STANDARD LEVEL:			
No.Events Above Level	0	0	0
No. Days Above Level	0	0	0
<b>South West Sydney region</b>			
<b>LIVERPOOL</b>			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	92	95	90
Average	0.3	0.3	0.3
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.6	0.8	0.9
90-percentile Value	1.0	1.6	1.6
Maximum 1-hour Value	1.8	1.9	1.6
Maximum 8-hour Value	1.3	1.4	1.1
NEPM STANDARD LEVEL:			
No.Events Above Level	0	0	0
No. Days Above Level	0	0	0

\*\*\* Data not available

2004 Data

**TABLE 6 (Cont'd)**  
**CARBON MONOXIDE (CO)**

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

Parts per million (ppm)  
 1-HOUR CLOCK AVERAGE

<b>MONITORING SITE</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>
<b><i>Illawarra region</i></b>			
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	95
Average	0.4	0.4	0.3
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.8	1.0	0.9
90-percentile Value	1.4	1.8	1.4
Maximum 1-hour Value	3.2	2.1	2.2
Maximum 8-hour Value	2.1	1.3	0.9
NEPM STANDARD LEVEL:			
No.Events Above Level	0	0	0
No. Days Above Level	0	0	0
<b><i>Lower Hunter region</i></b>			
NEWCASTLE			
Athletics Field			
Smith St			
ALL HOURS IN MONTH:			
% Sampling Time	95	96	89
Average	0.3	0.2	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.5	0.5	0.5
90-percentile Value	1.2	0.8	0.8
Maximum 1-hour Value	1.3	1.3	1.1
Maximum 8-hour Value	1.2	0.7	0.6
NEPM STANDARD LEVEL:			
No.Events Above Level	0	0	0
No. Days Above Level	0	0	0

\*\*\* Data not available

2004 Data

**TABLE 7**

**LEAD (Pb)**

Micrograms per cubic metre at 0° Celsius ( $\mu\text{g}/\text{m}^3$  at 0°C)  
24-HOUR CLOCK SAMPLE (6 DAY CYCLE)

MONITORING SITE		JAN	FEB	MAR
<b>Central East Sydney region</b>				
EARLWOOD				
Beaman Park				
Riverview Rd				
	Number of Samples	5	5	5
	Monthly Average	<0.1 *	<0.1 *	<0.1 *
	Highest Value	<0.1	<0.1	<0.1
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	Number of Samples	5	5	5
	Monthly Average	<0.1 *	<0.1 *	<0.1 *
	Highest Value	<0.1	<0.1	<0.1
SYDNEY				
Grace Bros				
Cnr George & Market Sts				
	Number of Samples	4	5	5
	Monthly Average	<0.1 *	<0.1 *	<0.1 *
	Highest Value	<0.1	<0.1	<0.1
<b>Illawarra region</b>				
PORT KEMBLA				
Cnr Church & Kembla Sts				
	Number of Samples	5	5	5
	Monthly Average	<0.1 *	<0.1 *	<0.1 *
	Highest Value	<0.1	<0.1	<0.1
PORT KEMBLA				
Cnr Blaxland Ave				
& Flagstaff Rd				
	Number of Samples	5	5	5
	Monthly Average	<0.1 *	<0.1 *	<0.1 *
	Highest Value	<0.1	<0.1	<0.1
PORT KEMBLA				
Fire Station				
Military Road				
	Number of Samples	5	5	5
	Monthly Average	<0.1 *	<0.1 *	<0.1 *
	Highest Value	0.1	<0.1	0.1
WARRAWONG				
Carlotta Cres				
	Number of Samples	5	5	5
	Monthly Average	<0.1 *	<0.1 *	<0.1 *
	Highest Value	<0.1	<0.1	<0.1
<b>Lower Hunter region</b>				
WALLSEND				
Swimming Pool				
Frances St				
	Number of Samples	5	5	5
	Monthly Average	<0.1 *	<0.1 *	<0.1 *
	Highest Value	<0.1	<0.1	<0.1

\* Average value calculated with some data less than detection limit

**TABLE 8****CADMIUM (Cd)**Micrograms per cubic metre at 0° Celsius ( $\mu\text{g}/\text{m}^3$  at 0°C)

24-HOUR CLOCK SAMPLE (6 DAY CYCLE)

MONITORING SITE		JAN	FEB	MAR
<i>Illawarra region</i>				
PORT KEMBLA				
Cnr Church & Kembla Sts				
	Number of Samples	5	5	5
	Monthly Average	<0.02 *	<0.02 *	<0.02 *
	Highest Value	<0.02	<0.02	<0.02
PORT KEMBLA				
Cnr Blaxland Ave & Flagstaff Rd				
	Number of Samples	5	5	5
	Monthly Average	<0.02 *	<0.02 *	<0.02 *
	Highest Value	<0.02	<0.02	<0.02
PORT KEMBLA				
Fire Station				
Military Road				
	Number of Samples	5	5	5
	Monthly Average	<0.02 *	<0.02 *	<0.02 *
	Highest Value	<0.02	<0.02	<0.02

2004 Data

\* Average value calculated with some data less than detection limit



TABLE 9

REGIONAL POLLUTION INDEX (RPI)

Sydney region

RPI	Low 0 - 24						Medium 25 - 49						High > 49					
	REGIONS																	
	Eastern Sydney						South Western						North Western					
D A Y	JAN		FEB		MAR		JAN		FEB		MAR		JAN		FEB		MAR	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
1	52	24	33	19	12	13	41	44	22	20	14	17	52	53	26	22	17	18
2	16	15	16	22	13	9	38	34	20	23	16	11	43	39	24	21	19	8
3	13	20	16	12	8	7	31	34	17	18	11	10	33	40	13	21	8	11
4	12	22	12	7	11	14	23	32	16	13	20	15	30	38	20	15	13	16
5	17	10	9	15	12	17	45	19	12	26	20	23	37	34	17	24	19	21
6	12	11	16	38	12	11	22	18	39	33	38	9	31	21	30	36	27	9
7	14	26	52	36	18	13	17	26	56	58	8	11	18	24	47	65	9	15
8	30	15	32	36	13	32	26	15	61	37	14	29	30	17	70	31	18	25
9	14	27	30	33	28	29	15	45	39	28	27	32	15	52	36	28	27	25
10	44	46	37	40	31	13	169	44	46	41	22	12	110	45	48	39	21	11
11	42	24	24	27	13	12	48	27	52	26	13	11	130	35	41	27	11	10
12	16	13	15	25	12	15	19	16	17	24	10	16	24	15	21	26	12	17
13	10	22	23	21	18	18	15	28	29	27	14	20	14	20	21	39	20	26
14	17	15	17	15	20	19	24	18	21	37	17	20	18	21	28	31	23	22
15	12	16	13	32	23	23	12	25	37	41	22	22	12	22	32	40	17	25
16	15	14	28	16	20	17	34	14	55	16	28	18	24	16	42	17	24	22
17	15	34	14	23	16	12	12	22	11	21	18	22	25	30	11	20	24	24
18	16	12	15	13	15	20	21	13	28	21	23	20	22	17	27	25	25	24
19	12	12	13	19	25	27	13	19	18	25	18	26	16	15	20	35	24	22
20	11	20	15	30	29	37	22	28	18	40	29	41	17	23	24	30	26	47
21	19	54	23	26	35	13	43	34	42	33	45	12	31	34	38	33	50	12
22	32	38	21	21	11	12	28	34	15	23	11	13	27	37	23	31	12	13
23	31	13	15	13	11	11	51	18	18	13	12	15	35	18	35	12	12	15
24	22	36	12	11	12	17	22	53	14	10	14	18	21	44	12	9	16	22
25	28	16	12	11	20	26	31	17	11	11	23	27	30	28	9	12	23	29
26	15	17	10	9	31	36	17	21	9	11	34	27	17	22	8	12	31	32
27	18	13	9	14	25	15	20	24	11	15	31	18	22	21	11	16	39	22
28	12	34	12	24	15	13	25	41	17	29	17	19	19	43	21	23	19	19
29	27	22	22	24	12	17	45	22	31	19	22	21	37	31	30	26	18	14
30	20	21			13	20	24	24			23	22	32	27			29	26
31	22	26			23	24	23	20			23	22	20	23			28	28

	PERCENTAGE FREQUENCY																	
	Eastern Sydney						South Western						North Western					
	JAN		FEB		MAR		JAN		FEB		MAR		JAN		FEB		MAR	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW	74	71	79	66	77	81	55	52	59	52	77	81	48	48	52	45	71	71
MED	23	26	17	34	23	19	39	45	28	45	23	19	42	45	45	52	26	29
HIGH	3	3	3	0	0	0	6	3	14	3	0	0	10	6	3	3	3	0

2004 Data

**TABLE 9 (Cont'd)**  
**REGIONAL POLLUTION INDEX (RPI)**

Lower Hunter region

RPI	Low 0 - 24						Medium 25 - 49						High > 49					
	Newcastle						REGIONS Wallsend						Beresfield					
	JAN		FEB		MAR		JAN		FEB		MAR		JAN		FEB		MAR	
D A Y	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
1	12	12	24	29	25	11	17	17	23	26	25	11	24	18	22	26	29	12
2	12	11	26	14	13	8	14	12	27	13	13	7	17	18	28	18	12	8
3	9	11	15	33	8	9	11	15	11	7	7	9	14	17	17	12	10	9
4	8	9	11	9	8	10	11	11	5	4	8	11	15	12	13	9	9	13
5	6	20	8	9	10	12	9	27	3	5	10	11	11	34	9	16	12	13
6	12	14	7	18	11	10	19	12			9	8	25	13	12	34	11	10
7	17	19	14	19	12	9	11	34			5	9	12	36	31	29	8	8
8	17	19	27	22	15	23	25	19			15	17	37	22	27	28	16	22
9	16	20	12	17	11	26	17	21			19	31	18	23	25	28	22	32
10	15	23	27	21	21	14	16	31			21	12	19	32	32	23	21	11
11	17	26	22	28	8	3	29	31		25	12	11	30	32	27	31	12	13
12	18	11	34	15	6	6	24	12	27	18	9	12	27	13	31	19	13	13
13	11	12	18	21	11	16	10	14	16	23	10	17	11	14	19	26	17	20
14	11	15	16	10	18	18	12	17	14	13	17	17	13	19	15	16	18	17
15	17	13	10	11	17	14	14	13	9	18	14	13	15	15	13	21	14	15
16	13	9	14	15	9	18	10	8	17	15	15	16	13	7	22	15	17	18
17	12	23	11	12	18	14	14	21	9	14	16	15	8	25	11	17	18	17
18	34	14	15	13	14	18	34	17	9	15	14	17	32	17	14	14	17	19
19	12	10	16	21	16	20	11	10	10	21	15	19	12	12	15	24	15	21
20	9	14	20	10	22	21	9	20	19	20	21	26	11	20	23	27	24	23
21	11	23	16	55	21	15	20	20	19	51	26	14	19	28	33	28	32	16
22	16	23	34	13	13	12	26	23	35	20	12	10	27	27	52	22	12	10
23	30	13	13	12	11	10	27	13	16	10	10	9	30	17	15	12	11	11
24	16	23	13	11	9	13	16	24	11	9	9	15	18	22	10	10	10	15
25	19	18	13	14	12	14	20	20	11	11	14	9	25	22	14	13	15	11
26	18	17	12	9	15	34	22	19	11	8	16	38	23	21	11	10	24	39
27	17	19	9	13	37	16	17	20	9	14	38	16	19	24	10	14	37	17
28	15	15	10	16	13	13	19	25	13	18	13	14	20	30	16	17	14	14
29	20	23	15	24	12	10	18	23	16	23	12	12	21	30	17	27	13	14
30	24	24			9	16	21	15			11	17	19	16			12	17
31	32	24			14	25	28	22			15	19	21	23			18	23

	PERCENTAGE FREQUENCY																	
	Newcastle						Wallsend						Beresfield					
	JAN		FEB		MAR		JAN		FEB		MAR		JAN		FEB		MAR	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW	90	97	83	86	94	90	81	84	87	88	90	90	74	71	69	66	90	94
MED	10	3	17	10	6	10	19	16	13	8	10	10	26	29	28	34	10	6
HIGH	0	0	0	3	0	0	0	0	0	4	0	0	0	0	3	0	0	0

2004 Data

TABLE 9 (Cont'd)

REGIONAL POLLUTION INDEX (RPI)

Illawarra region

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

D A Y	Albion Park						REGIONS Wollongong					
	JAN		FEB		MAR		JAN		FEB		MAR	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
1	16	24	23	14	11	12	24	22	26	16	12	11
2	20	13	15	14	12	8	20	16	15	13	11	9
3	11	14	15	10	8	7	12	16	16	11	9	9
4	11	11	11	8	7	12	12	20	11	8	8	12
5	13	12	7	16	11	17	25	29	8	15	11	15
6	11	12	15	45	14	9	12	12	15	49	12	10
7	14	36	45	27	10	14	15	31	54	30	10	14
8	25	13	23	14	14	27	28	13	22	16	15	25
9	13	23	22	24	25	37	13	22	32	28	33	42
10	23	38	21	15	23	12	23	40	19	14	35	12
11	55	20	18	21	13	12	57	19	24	36	13	14
12	12	10	13	17	10	11	14	10	39	22	13	12
13	11	19	25	20	13	16	10	18	21	20	18	17
14	14	15	17	15	17	16	21	15	17	14	18	15
15	11	12	10	20	15	18	12	14	21	24	16	18
16	12	11	22	16	19	16	14	11	21	38	22	15
17	9	13	11	13	11	12	14	21	11	13	11	13
18	13	10	13	14	11	15	13	11	14	15	12	15
19	10	11	12	16	14	19	11	12	13	14	14	26
20	11	21	15	22	24	25	12	20	15	18	28	24
21	20	39	17	17	19	10	19	41	15	19	18	10
22	36	27	14	11	11	12	36	41	13	11	12	12
23	13	11	10	14	11	12	13	13	29	13	11	12
24	12	25	12	10	11	16	15	31	12	11	12	15
25	22	12	11	8	17	25	27	14	12	10	20	24
26	12	16	9	9	20	22	15	17	10	9	26	28
27	16	13	9	11	18	14	17	15	9	11	20	15
28	11	19	10	22	14	13	14	20	10	21	15	14
29	17	17	17	17	12	14	22	18	18	19	13	15
30	18	21			17	17	17	21			18	21
31	18	19			20	18	21	20			24	19

	PERCENTAGE FREQUENCY											
	Albion Park						Wollongong					
	JAN		FEB		MAR		JAN		FEB		MAR	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW	90	84	93	93	97	87	84	81	83	83	87	87
MED	6	16	7	7	3	13	13	19	14	17	13	13
HIGH	3	0	0	0	0	0	3	0	3	0	0	0