

Quarterly
Air Quality
Monitoring
Report 2004

3

Part A: DEC Data

July – August – September
2004



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

Contents

Data Tables

- 1 Ozone (O₃)
- 2 Nitrogen Dioxide (NO₂)
- 3 Oxides of Nitrogen (NO_x & NO)
- 4 Particulate Matter
 - 4.1 By Nephelometer (NEPH)
 - 4.2 Total Suspended Particulates (TSP)
 - 4.3 Less than 10 µm (PM₁₀)
 - 4.4 Tapered Element Oscillating Microbalance (TEOM-PM₁₀)
 - 4.5 Tapered Element Oscillating Microbalance (TEOM-PM_{2.5})
- 5 Sulfur Dioxide (SO₂)
- 6 Carbon Monoxide (CO)
- 7 Lead (Pb)
- 8 Cadmium (Cd)
- 9 Regional Pollution Index (RPI)

**TABLE 1
OZONE (O₃)**

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		JUL	AUG	SEP
Central East Sydney region				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	95	93	87
	Average	1.1	1.4	1.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.5	3.1	3.4
	90-percentile Value	3.0	3.7	4.1
	Maximum 1-hour Value	3.3	4.0	5.9
	Maximum 4-hour Value	3.2	3.9	5.7
	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)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	88	76	89
	Average	1.1	1.2	1.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.3	2.5	3.0
	90-percentile Value	3.0	3.3	4.1
	Maximum 1-hour Value	3.1	4.2	5.6
	Maximum 4-hour Value	3.1	3.8	5.2
	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 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)
LINDFIELD				
Bradfield Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	59	78	61
	Average	1.2	1.6	1.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.5	3.1	3.3
	90-percentile Value	3.0	3.8	3.8
	Maximum 1-hour Value	3.1	4.0	4.4
	Maximum 4-hour Value	3.0	3.7	4.0
	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 (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

2004 Data

TABLE 1 (Cont'd)
OZONE (O₃)

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		JUL	AUG	SEP
Central East Sydney region (Cont'd)				
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:			
	% Sampling Time	95	94	89
	Average	1.3	1.6	2.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.7	3.1	3.7
	90-percentile Value	3.2	3.7	4.7
	Maximum 1-hour Value	3.5	4.1	5.5
	Maximum 4-hour Value	3.4	4.0	5.2
	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 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)
ROZELLE				
Rozelle Hospital				
Balmain Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	72	78
	Average	1.1	1.4	1.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.3	2.7	3.0
	90-percentile Value	2.8	3.4	3.8
	Maximum 1-hour Value	3.0	3.5	5.3
	Maximum 4-hour Value	2.8	3.3	4.9
	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)
WOOLLOOWARE				
Woollooware Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	88	***
	Average	1.5	1.8	***
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.7	3.1	***
	90-percentile Value	3.2	3.5	***
	Maximum 1-hour Value	3.3	3.7	***
	Maximum 4-hour Value	3.3	3.6	***
	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 (0)	0 (0)	*** (***)
	No. Days Above Goal	0 (0)	0 (0)	*** (***)

*** Data not available

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

2004 Data

TABLE 1 (Cont'd)
OZONE (O₃)

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		JUL	AUG	SEP
North West Sydney region				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	94	90
	Average	1.4	1.8	2.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.9	3.3	3.7
	90-percentile Value	3.3	4.2	4.7
	Maximum 1-hour Value	3.4	5.1	5.4
	Maximum 4-hour Value	3.1	4.6	5.3
	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 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)
ST MARYS				
Mamre Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	96	95
	Average	1.3	1.5	1.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.8	3.3	3.6
	90-percentile Value	3.3	4.0	4.6
	Maximum 1-hour Value	3.4	4.3	5.2
	Maximum 4-hour Value	3.3	4.1	5.0
	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 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)
VINEYARD				
Castle Hill STP				
Bandon Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	94	95	95
	Average	1.6	1.9	2.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.9	3.2	3.6
	90-percentile Value	3.3	4.0	4.6
	Maximum 1-hour Value	3.5	4.3	5.6
	Maximum 4-hour Value	3.4	4.0	5.0
	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 (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

2004 Data

TABLE 1 (Cont'd)
OZONE (O₃)

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		JUL	AUG	SEP
North West Sydney region (Cont'd)				
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	95	***	***
	Average	1.0	***	***
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.6	***	***
	90-percentile Value	3.1	***	***
	Maximum 1-hour Value	3.2	***	***
	Maximum 4-hour Value	3.2	***	***
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	*** (***)	*** (***)
	No. Days Above Level	0 (0)	*** (***)	*** (***)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	*** (***)	*** (***)
	No. Days Above Goal	0 (0)	*** (***)	*** (***)
South West Sydney region				
BARGO				
Silica Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	91	96	94
	Average	2.0	2.4	2.4
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.8	3.4	3.7
	90-percentile Value	3.4	4.2	4.7
	Maximum 1-hour Value	3.7	4.4	4.9
	Maximum 4-hour Value	3.6	4.2	4.8
	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 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)
BRINGELLY				
Ramsay Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	95	70
	Average	1.5	1.8	1.9
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.9	3.5	3.4
	90-percentile Value	3.3	4.3	4.6
	Maximum 1-hour Value	3.5	4.7	5.3
	Maximum 4-hour Value	3.3	4.4	5.2
	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 (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

2004 Data

TABLE 1 (Cont'd)
OZONE (O₃)

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	JUL	AUG	SEP
South West Sydney region (Cont'd)			
LIVERPOOL			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	95	94	78
Average	1.1	1.4	1.5
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.5	3.0	3.2
90-percentile Value	3.1	3.7	4.2
Maximum 1-hour Value	3.3	4.2	4.5
Maximum 4-hour Value	3.1	3.9	4.2
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 (0)
No. Days Above Goal	0 (0)	0 (0)	0 (0)
OAKDALE			
Ridge Rd			
ALL HOURS IN MONTH:			
% Sampling Time	94	96	96
Average	2.6	2.9	3.0
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.1	3.4	3.7
90-percentile Value	3.4	4.2	4.8
Maximum 1-hour Value	5.4	4.9	5.2
Maximum 4-hour Value	4.1	4.7	5.0
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 (0)
No. Days Above Goal	0 (0)	0 (0)	0 (0)
Illawarra region			
ALBION PARK			
Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	94	94
Average	2.0	2.3	2.3
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.8	3.2	3.4
90-percentile Value	3.2	3.6	4.2
Maximum 1-hour Value	3.4	4.1	4.6
Maximum 4-hour Value	3.3	3.7	4.3
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 (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

2004 Data

TABLE 1 (Cont'd)
OZONE (O₃)

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		JUL	AUG	SEP
<i>Illawarra region (Cont'd)</i>				
KEMBLA GRANGE				
Kembla Grange Racecourse				
Princes Hwy	ALL HOURS IN MONTH:			
	% Sampling Time	92	95	89
	Average	1.8	2.3	2.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.9	3.4	3.4
	90-percentile Value	3.2	3.8	4.0
	Maximum 1-hour Value	3.5	4.1	4.1
	Maximum 4-hour Value	3.3	4.0	4.1
	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)
WARRAWONG				
Carlotta Cres				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	95	94
	Average	1.8	2.2	2.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.8	3.2	3.6
	90-percentile Value	3.2	3.7	4.4
	Maximum 1-hour Value	3.5	4.0	4.6
	Maximum 4-hour Value	3.3	3.8	4.4
	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 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)
WOLLONGONG				
Gipps St				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	94	95
	Average	1.6	1.9	2.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.6	3.0	3.4
	90-percentile Value	3.0	3.5	4.2
	Maximum 1-hour Value	3.5	4.3	4.7
	Maximum 4-hour Value	3.4	3.9	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

2004 Data

TABLE 1 (Cont'd)
OZONE (O₃)

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		JUL	AUG	SEP
Lower Hunter region				
BERESFIELD				
Francis Greenway				
High School				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	72
	Average	1.2	1.6	1.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.6	3.1	3.0
	90-percentile Value	3.2	3.8	3.6
	Maximum 1-hour Value	3.5	4.2	3.9
	Maximum 4-hour Value	3.3	3.8	3.6
	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 (0)	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)
NEWCASTLE				
Athletics Field				
Smith St				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	94
	Average	1.2	1.7	1.9
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.5	3.0	3.4
	90-percentile Value	3.0	3.5	4.3
	Maximum 1-hour Value	3.4	4.2	4.4
	Maximum 4-hour Value	3.2	4.0	4.2
	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 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)
WALLSEND				
Swimming Pool				
Frances St				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	85	75
	Average	1.2	1.8	1.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.6	2.9	3.3
	90-percentile Value	3.1	3.8	4.1
	Maximum 1-hour Value	3.2	4.1	4.6
	Maximum 4-hour Value	3.0	4.0	4.4
	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 (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

2004 Data

TABLE 1 (Cont'd)
OZONE (O₃)

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		JUL	AUG	SEP
Central Tablelands region				
BATHURST				
Wastewater Treatment Plant				
Off Morrisset St	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	93
	Average	1.5	1.7	1.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.8	2.9	3.2
	90-percentile Value	3.3	3.5	4.0
	Maximum 1-hour Value	3.4	3.8	4.5
	Maximum 4-hour Value	3.2	3.7	4.4
	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 (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 (NO₂)**

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		JUL	AUG	SEP
Central East Sydney region				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	95	83	63
	Average	2.0	1.9	1.8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.3	3.1	3.3
	90-percentile Value	4.3	3.8	4.7
	Maximum 1-hour Value	4.9	4.8	5.2
	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
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	94	95
	Average	1.8	1.7	1.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.9	3.1	3.2
	90-percentile Value	3.4	3.5	4.0
	Maximum 1-hour Value	5.8	5.5	6.6
	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
LINDFIELD				
Bradfield Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	88	92	61
	Average	1.4	1.2	1.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.5	2.4	2.4
	90-percentile Value	3.0	3.0	3.0
	Maximum 1-hour Value	3.9	3.7	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

2004 Data

TABLE 2 (Cont'd)
NITROGEN DIOXIDE (NO₂)

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		JUL	AUG	SEP
Central East Sydney region (Cont'd)				
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:			
	% Sampling Time	95	94	93
	Average	1.6	1.4	1.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.8	2.9	2.5
	90-percentile Value	3.3	3.4	3.7
	Maximum 1-hour Value	5.1	3.6	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
ROZELLE				
Rozelle Hospital				
Balmain Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	68	90
	Average	1.7	1.4	1.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.8	2.7	2.9
	90-percentile Value	3.4	3.5	4.0
	Maximum 1-hour Value	4.9	4.1	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
SYDNEY				
Grace Bros				
Cnr George & Market Sts	ALL HOURS IN MONTH:			
	% Sampling Time	69	***	***
	Average	3.2	***	***
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	5.2	***	***
	90-percentile Value	6.9	***	***
	Maximum 1-hour Value	8.3	***	***
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	***	***
	No. Days Above Level	0	***	***
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	***	***
	No. Days Above Goal	0	***	***

*** Data not available

2004 Data

TABLE 2 (Cont'd)
NITROGEN DIOXIDE (NO₂)

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	JUL	AUG	SEP
Central East Sydney region (Cont'd)			
WOOLOOWARE			
Woolooware Rd			
ALL HOURS IN MONTH:			
% Sampling Time	94	87	***
Average	1.1	1.0	***
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.1	2.2	***
90-percentile Value	2.8	2.8	***
Maximum 1-hour Value	3.0	3.0	***
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	***
No. Days Above Level	0	0	***
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	***
No. Days Above Goal	0	0	***
North West Sydney region			
RICHMOND			
University Of Western Sydney			
Vines Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	68	92
Average	0.8	0.7	0.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.0	1.9	1.7
90-percentile Value	2.7	3.0	2.5
Maximum 1-hour Value	3.0	3.2	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
ST MARYS			
Mamre Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	96	95
Average	0.9	0.9	0.9
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.1	2.2	2.2
90-percentile Value	3.0	2.9	3.2
Maximum 1-hour Value	3.8	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 (NO₂)

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		JUL	AUG	SEP
North West Sydney region (Cont'd)				
VINEYARD				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	94	94	96
	Average	0.9	0.8	0.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.0	1.9	1.8
	90-percentile Value	2.8	2.9	2.6
	Maximum 1-hour Value	2.9	3.9	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
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	91	94	***
	Average	1.6	1.5	***
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.7	3.0	***
	90-percentile Value	3.4	4.4	***
	Maximum 1-hour Value	3.6	5.5	***
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	***
	No. Days Above Level	0	0	***
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	***
	No. Days Above Goal	0	0	***
South West Sydney region				
BARGO				
Silica Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	77	82	96
	Average	0.7	0.6	0.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.7	1.7	2.2
	90-percentile Value	2.8	3.0	3.5
	Maximum 1-hour Value	2.9	4.0	4.3
	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

2004 Data

TABLE 2 (Cont'd)
NITROGEN DIOXIDE (NO₂)

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	JUL	AUG	SEP
South West Sydney region (Cont'd)			
BRINGELLY			
Ramsay Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	86
Average	0.6	0.6	0.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.5	1.5	1.5
90-percentile Value	2.1	2.3	2.7
Maximum 1-hour Value	2.5	3.7	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
CAMDEN			
Camden Airport			
Aerodrome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	95	30
Average	0.6	0.6	0.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.4	1.4	1.3
90-percentile Value	2.2	2.5	2.6
Maximum 1-hour Value	2.5	3.4	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
LIVERPOOL			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	95	90	93
Average	1.5	1.5	1.5
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.7	2.8	3.0
90-percentile Value	3.4	3.8	3.9
Maximum 1-hour Value	3.6	5.0	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

*** Data not available

TABLE 2 (Cont'd)
NITROGEN DIOXIDE (NO₂)

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	JUL	AUG	SEP
South West Sydney region (Cont'd)			
OAKDALE			
Ridge Rd			
ALL HOURS IN MONTH:			
% Sampling Time	87	61	90
Average	0.1	0.1	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.4	0.3	0.5
90-percentile Value	0.9	0.9	1.3
Maximum 1-hour Value	2.0	1.7	1.7
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
Illawarra region			
ALBION PARK			
Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	67	94
Average	0.4	0.4	0.4
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.2	1.1	1.3
90-percentile Value	1.9	2.2	2.2
Maximum 1-hour Value	2.7	2.7	4.3
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
KEMBLA GRANGE			
Kembla Grange Racecourse			
Princes Hwy			
ALL HOURS IN MONTH:			
% Sampling Time	91	92	91
Average	0.6	0.5	0.5
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.6	1.4	1.5
90-percentile Value	2.3	2.1	2.7
Maximum 1-hour Value	2.5	2.7	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 2 (Cont'd)
NITROGEN DIOXIDE (NO₂)

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	JUL	AUG	SEP
Illawarra region (Cont'd)			
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	95	94	94
Average	0.9	0.8	0.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.0	1.9	1.9
90-percentile Value	2.8	3.0	3.1
Maximum 1-hour Value	2.9	3.3	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
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	95	94	94
Average	1.1	0.9	1.0
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.2	2.1	2.4
90-percentile Value	2.8	2.9	3.5
Maximum 1-hour Value	3.2	3.8	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
Lower Hunter region			
BERESFIELD			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	95	59	38
Average	1.3	1.1	1.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.3	2.1	2.4
90-percentile Value	2.8	2.8	3.1
Maximum 1-hour Value	3.3	3.1	3.2
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 (NO₂)

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		JUL	AUG	SEP
Lower Hunter region (Cont'd)				
NEWCASTLE				
Athletics Field				
Smith St	ALL HOURS IN MONTH:			
	% Sampling Time	96	63	85
	Average	1.3	1.1	1.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.4	2.3	2.3
	90-percentile Value	2.9	3.0	3.0
	Maximum 1-hour Value	3.6	3.3	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
WALLSEND				
Swimming Pool				
Frances St	ALL HOURS IN MONTH:			
	% Sampling Time	95	86	95
	Average	1.1	0.9	1.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.2	1.9	2.2
	90-percentile Value	2.8	2.6	2.7
	Maximum 1-hour Value	3.1	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

*** Data not available

TABLE 3
OXIDES OF NITROGEN - NO_x (TOTAL OXIDES OF NITROGEN) & NO (NITRIC OXIDE)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL		AUG		SEP	
		NO _x	NO	NO _x	NO	NO _x	NO
Central East Sydney region							
CHULLORA							
Southern Sydney TAFE							
Worth St							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	83	83	63	63
	Average	6.0	4.2	4.5	2.7	3.7	1.9
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	19.1	16.4	13.3	10.6	11.2	8.5
	90-percentile Value	38.2	34.3	23.1	19.9	20.5	16.9
	Maximum 1-hour Value	45.3	41.0	37.5	33.3	25.2	21.5
EARLWOOD							
Beaman Park							
Riverview Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	94	94	95	95
	Average	6.9	5.2	4.8	3.2	3.9	2.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	21.5	19.0	14.5	12.1	12.0	9.6
	90-percentile Value	41.4	38.3	26.2	23.8	19.6	17.5
	Maximum 1-hour Value	49.3	44.0	31.3	28.3	23.6	21.6
LINDFIELD							
Bradfield Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	88	88	92	92	61	61
	Average	3.2	1.9	2.1	1.0	1.9	0.7
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	9.1	7.0	6.4	4.4	5.5	3.5
	90-percentile Value	14.5	11.9	10.0	8.4	8.0	6.2
	Maximum 1-hour Value	21.6	18.6	15.4	12.9	9.2	7.1
RANDWICK							
Randwick Barracks							
Cnr Avoca & Bundock Sts							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	94	94	93	93
	Average	4.1	2.5	2.9	1.5	2.1	0.9
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	12.9	10.3	9.9	7.2	6.9	4.6
	90-percentile Value	19.8	16.9	16.0	13.0	12.4	9.2
	Maximum 1-hour Value	48.0	43.5	18.9	16.4	13.5	11.5
ROZELLE							
Rozelle Hospital							
Balmain Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	68	68	90	90
	Average	4.2	2.5	2.8	1.3	2.6	1.1
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	12.2	9.6	8.1	5.6	7.3	4.8
	90-percentile Value	22.7	19.7	16.9	14.0	13.7	10.3
	Maximum 1-hour Value	30.2	25.3	20.1	17.0	23.3	17.8

*** Data not available

2004 Data

TABLE 3 (Cont'd)
OXIDES OF NITROGEN - NO_x (TOTAL OXIDES OF NITROGEN) & NO (NITRIC OXIDE)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL		AUG		SEP	
		NO _x	NO	NO _x	NO	NO _x	NO
Central East Sydney region (Cont'd)							
SYDNEY							
Grace Bros							
Cnr George & Market Sts	ALL HOURS IN MONTH:						
	% Sampling Time	69	69	***	***	***	***
	Average	17.4	14.2	***	***	***	***
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	36.5	31.5	***	***	***	***
	90-percentile Value	50.4	44.5	***	***	***	***
	Maximum 1-hour Value	62.4	55.0	***	***	***	***
WOOLLOOWARE							
Woollooware Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	87	87	***	***
	Average	2.6	1.6	1.7	0.7	***	***
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	8.6	6.8	6.0	4.0	***	***
	90-percentile Value	13.4	11.5	10.2	7.9	***	***
	Maximum 1-hour Value	19.3	17.4	13.9	11.7	***	***
North West Sydney region							
RICHMOND							
University Of Western Sydney							
Vines Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	68	68	92	92
	Average	1.7	0.9	1.1	0.4	0.9	0.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	4.7	3.5	3.3	2.0	2.5	1.2
	90-percentile Value	7.2	5.8	5.5	4.6	3.5	2.4
	Maximum 1-hour Value	7.9	6.4	6.3	5.4	4.8	3.5
ST MARYS							
Mamre Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	96	96	95	95
	Average	2.5	1.6	2.2	1.3	1.6	0.8
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	10.5	9.0	9.7	8.1	6.5	5.0
	90-percentile Value	20.1	17.8	21.3	18.9	13.0	11.2
	Maximum 1-hour Value	24.1	22.4	27.5	25.5	16.0	14.6
VINEYARD							
Castle Hill STP							
Bandon Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	94	94	96	96
	Average	1.5	0.7	1.1	0.3	0.9	0.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	3.9	2.7	3.3	1.9	2.5	1.2
	90-percentile Value	6.6	5.3	5.4	3.7	3.6	2.6
	Maximum 1-hour Value	7.7	6.1	8.4	6.8	4.5	3.0

*** Data not available

2004 Data

TABLE 3 (Cont'd)
OXIDES OF NITROGEN - NO_x (TOTAL OXIDES OF NITROGEN) & NO (NITRIC OXIDE)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL		AUG		SEP	
		NO _x	NO	NO _x	NO	NO _x	NO
North West Sydney region (Cont'd)							
WESTMEAD							
Westmead Hospital							
Hainsworth St							
	ALL HOURS IN MONTH:						
	% Sampling Time	91	91	94	94	***	***
	Average	6.0	4.4	4.4	2.9	***	***
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	19.1	16.9	15.0	12.5	***	***
	90-percentile Value	28.3	25.7	30.2	26.5	***	***
	Maximum 1-hour Value	34.2	30.6	38.3	33.1	***	***
South West Sydney region							
BARGO							
Silica Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	77	77	82	82	96	96
	Average	1.5	0.8	1.1	0.5	1.3	0.6
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	5.8	4.3	5.0	3.5	6.4	4.4
	90-percentile Value	13.9	11.4	12.6	9.3	12.2	9.6
	Maximum 1-hour Value	17.7	15.0	15.5	13.3	17.8	15.3
BRINGELLY							
Ramsay Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	95	95	86	86
	Average	1.4	0.8	1.0	0.4	0.9	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	4.2	3.1	3.0	2.0	2.7	1.5
	90-percentile Value	6.3	5.2	5.4	3.9	4.6	2.8
	Maximum 1-hour Value	7.3	6.2	7.2	5.4	4.8	3.9
CAMDEN							
Camden Airport							
Aerodrome Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	95	95	30	30
	Average	1.2	0.6	0.8	0.3	0.7	0.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	3.4	2.4	2.5	1.4	1.6	0.7
	90-percentile Value	5.8	5.1	4.6	3.4	3.3	2.3
	Maximum 1-hour Value	7.4	6.0	5.3	4.1	3.6	2.5
LIVERPOOL							
Rose St							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	90	90	93	93
	Average	5.5	4.0	3.7	2.3	3.1	1.8
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	18.9	16.6	12.5	10.3	11.1	8.8
	90-percentile Value	31.3	28.4	21.8	19.3	20.1	17.2
	Maximum 1-hour Value	40.7	37.6	35.3	32.2	30.2	27.0

*** Data not available

2004 Data

TABLE 3 (Cont'd)
OXIDES OF NITROGEN - NO_x (TOTAL OXIDES OF NITROGEN) & NO (NITRIC OXIDE)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL		AUG		SEP	
		NO _x	NO	NO _x	NO	NO _x	NO
South West Sydney region (Cont'd)							
OAKDALE							
Ridge Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	87	87	61	61	90	90
	Average	0.2	0.0	0.1	0.0	0.2	0.0
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	0.5	0.1	0.3	0.1	0.5	0.1
	90-percentile Value	0.9	0.2	0.9	0.1	1.3	0.2
	Maximum 1-hour Value	1.9	0.3	1.7	0.1	1.7	0.2
Illawarra region							
ALBION PARK							
Croome Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	67	67	94	94
	Average	0.6	0.2	0.5	0.1	0.5	0.1
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	2.5	1.4	1.9	1.0	1.8	0.7
	90-percentile Value	6.8	5.3	5.1	3.5	4.2	2.1
	Maximum 1-hour Value	8.2	6.3	8.7	6.7	5.5	2.8
KEMBLA GRANGE							
Kembla Grange Racecourse							
Princes Hwy							
	ALL HOURS IN MONTH:						
	% Sampling Time	91	91	92	92	91	91
	Average	1.3	0.6	0.8	0.3	0.7	0.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	4.6	3.3	2.9	1.7	3.1	1.7
	90-percentile Value	11.5	10.1	7.2	5.8	6.9	5.4
	Maximum 1-hour Value	16.7	14.8	10.7	9.2	10.1	8.5
WARRAWONG							
Carlotta Cres							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	94	94	94	94
	Average	1.6	0.7	1.1	0.4	1.0	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	5.6	3.7	3.9	2.1	3.1	1.4
	90-percentile Value	9.6	7.5	8.0	5.6	7.3	4.7
	Maximum 1-hour Value	13.9	11.7	12.6	9.7	8.5	6.5
WOLLONGONG							
Gipps St							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	94	94	94	94
	Average	3.0	2.0	1.8	0.9	1.9	1.0
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	11.5	9.7	7.6	5.8	7.8	5.8
	90-percentile Value	26.0	24.2	16.1	13.6	17.6	15.1
	Maximum 1-hour Value	39.8	37.0	33.5	31.9	30.1	28.0

*** Data not available

2004 Data

TABLE 3 (Cont'd)
OXIDES OF NITROGEN - NO_x (TOTAL OXIDES OF NITROGEN) & NO (NITRIC OXIDE)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL		AUG		SEP	
		NO _x	NO	NO _x	NO	NO _x	NO
Lower Hunter region							
BERESFIELD							
Francis Greenway							
High School							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	59	59	38	38
	Average	2.8	1.6	1.7	0.7	2.0	0.9
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	8.4	6.4	4.7	2.9	6.0	3.9
	90-percentile Value	14.2	12.3	9.2	7.4	9.3	6.8
	Maximum 1-hour Value	16.5	14.0	11.9	10.1	13.6	12.0
NEWCASTLE							
Athletics Field							
Smith St							
	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	63	63	85	85
	Average	3.4	2.1	2.1	1.0	1.7	0.7
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	10.8	8.7	6.8	4.7	4.9	2.9
	90-percentile Value	17.6	15.3	12.9	10.4	9.2	6.7
	Maximum 1-hour Value	23.1	20.4	19.4	17.4	9.8	8.2
WALLSEND							
Swimming Pool							
Frances St							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	86	86	95	95
	Average	2.8	1.7	1.6	0.8	1.6	0.7
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	8.6	6.9	5.6	4.0	5.3	3.5
	90-percentile Value	14.9	13.1	10.6	8.7	7.5	6.1
	Maximum 1-hour Value	16.4	15.2	14.0	12.5	11.2	7.9

*** 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		JUL	AUG	SEP
Central East Sydney region				
CHULLORA				
Southern Sydney TAFE				
Worth St				
	% Sampling Time	100	98	91
	Monthly Average	0.3	0.3	0.2
	90-percentile Value	0.6	0.6	0.4
	Maximum 24-hour Average	0.6	0.7	0.5
	Maximum 1-hour Value	1.4	1.4	1.0
EARLWOOD				
Beaman Park				
Riverview Rd				
	% Sampling Time	99	98	99
	Monthly Average	0.3	0.3	0.2
	90-percentile Value	0.8	0.6	0.4
	Maximum 24-hour Average	0.7	0.9	0.6
	Maximum 1-hour Value	2.3	1.6	1.1
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts				
	% Sampling Time	99	98	99
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.5	0.4	0.3
	Maximum 24-hour Average	0.5	0.6	0.5
	Maximum 1-hour Value	1.1	1.7	1.0
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	% Sampling Time	99	78	97
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.5	0.5	0.4
	Maximum 24-hour Average	0.6	0.8	0.5
	Maximum 1-hour Value	1.0	1.9	1.6
WOOLOOWARE				
Woolooware Rd				
	% Sampling Time	98	92	***
	Monthly Average	0.2	0.2	***
	90-percentile Value	0.4	0.4	***
	Maximum 24-hour Average	0.4	0.5	***
	Maximum 1-hour Value	1.1	1.2	***

*** 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		JUL	AUG	SEP
North West Sydney region				
RICHMOND				
University Of Western Sydney				
Vines Rd				
	% Sampling Time	99	98	95
	Monthly Average	0.3	0.2	0.2
	90-percentile Value	0.6	0.5	0.4
	Maximum 24-hour Average	0.6	0.8	0.5
	Maximum 1-hour Value	3.0	1.7	1.1
ST MARYS				
Mamre Rd				
	% Sampling Time	99	94	98
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.4	0.4	0.3
	Maximum 24-hour Average	0.4	0.5	0.5
	Maximum 1-hour Value	1.2	1.1	0.9
WESTMEAD				
Westmead Hospital				
Hainsworth St				
	% Sampling Time	99	88	***
	Monthly Average	0.3	0.2	***
	90-percentile Value	0.7	0.5	***
	Maximum 24-hour Average	0.6	0.8	***
	Maximum 1-hour Value	1.2	1.4	***
South West Sydney region				
BARGO				
Silica Rd				
	% Sampling Time	93	99	99
	Monthly Average	0.2	0.1	0.2
	90-percentile Value	0.5	0.4	0.3
	Maximum 24-hour Average	0.5	0.6	0.4
	Maximum 1-hour Value	2.8	1.3	0.8
BRINGELLY				
Ramsay Rd				
	% Sampling Time	99	99	93
	Monthly Average	0.3	0.3	0.2
	90-percentile Value	0.6	0.6	0.4
	Maximum 24-hour Average	0.7	0.6	0.4
	Maximum 1-hour Value	1.4	1.6	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		JUL	AUG	SEP
South West Sydney region (Cont'd)				
LIVERPOOL				
Rose St				
	% Sampling Time	***	***	97
	Monthly Average	***	***	0.2
	90-percentile Value	***	***	0.4
	Maximum 24-hour Average	***	***	0.6
	Maximum 1-hour Value	***	***	1.3
OAKDALE				
Ridge Rd				
	% Sampling Time	94	99	97
	Monthly Average	0.1	0.1	0.1
	90-percentile Value	0.2	0.3	0.3
	Maximum 24-hour Average	0.3	0.3	0.4
	Maximum 1-hour Value	3.2	0.7	0.7
Illawarra region				
ALBION PARK				
Croome Rd				
	% Sampling Time	99	98	98
	Monthly Average	0.1	0.1	0.1
	90-percentile Value	0.2	0.3	0.3
	Maximum 24-hour Average	0.3	0.4	0.4
	Maximum 1-hour Value	0.6	0.6	0.8
KEMBLA GRANGE				
Kembla Grange Racecourse				
Princes Hwy				
	% Sampling Time	96	96	98
	Monthly Average	0.1	0.1	0.2
	90-percentile Value	0.3	0.3	0.3
	Maximum 24-hour Average	0.3	0.4	0.5
	Maximum 1-hour Value	0.6	0.6	1.1
WOLLONGONG				
Gipps St				
	% Sampling Time	99	98	99
	Monthly Average	0.1	0.1	0.2
	90-percentile Value	0.3	0.3	0.3
	Maximum 24-hour Average	0.3	0.3	0.5
	Maximum 1-hour Value	0.7	0.7	1.0

*** 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		JUL	AUG	SEP
Lower Hunter region				
BERESFIELD				
Francis Greenway				
High School				
	% Sampling Time	99	76	85
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.5	0.4	0.4
	Maximum 24-hour Average	0.5	0.4	0.4
	Maximum 1-hour Value	1.0	0.9	0.8
NEWCASTLE				
Athletics Field				
Smith St				
	% Sampling Time	***	***	58
	Monthly Average	***	***	0.0
	90-percentile Value	***	***	0.1
	Maximum 24-hour Average	***	***	0.2
	Maximum 1-hour Value	***	***	0.4
WALLSEND				
Swimming Pool				
Frances St				
	% Sampling Time	98	99	96
	Monthly Average	0.3	0.2	0.2
	90-percentile Value	0.6	0.4	0.4
	Maximum 24-hour Average	0.5	0.4	0.4
	Maximum 1-hour Value	1.6	1.0	0.8

*** 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		JUL	AUG	SEP
Central East Sydney region				
EARLWOOD				
Beaman Park				
Riverview Rd				
	Number of Samples	5	5	4
	Monthly Average	34	42	40
	Highest Value	53	60	53
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	Number of Samples	6	4	5
	Monthly Average	33	35	37
	Highest Value	48	47	55
SYDNEY				
Grace Bros				
Cnr George & Market Sts				
	Number of Samples	6	5	***
	Monthly Average	51	50	***
	Highest Value	73	60	***
Illawarra region				
PORT KEMBLA				
Cnr Church & Kembla Sts				
	Number of Samples	6	5	5
	Monthly Average	29	41	40
	Highest Value	38	76	52
PORT KEMBLA				
Cnr Blaxland Ave				
& Flagstaff Rd				
	Number of Samples	6	5	5
	Monthly Average	31	37	43
	Highest Value	40	78	68
PORT KEMBLA				
Fire Station				
Military Road				
	Number of Samples	6	5	5
	Monthly Average	43	50	51
	Highest Value	63	84	63
WARRAWONG				
Carlotta Cres				
	Number of Samples	4	5	5
	Monthly Average	33	35	43
	Highest Value	48	55	70
Lower Hunter region				
WALLSEND				
Swimming Pool				
Frances St				
	Number of Samples	6	4	***
	Monthly Average	34	35	***
	Highest Value	45	50	***

*** Data not available

2004 Data

TABLE 4.3
PARTICULATE MATTER: LESS THAN 10µm (PM₁₀)

Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)
 24-HOUR CLOCK SAMPLE (6-DAY CYCLE)

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
EARLWOOD				
Beaman Park				
Riverview Rd				
	Number of Samples	6	5	***
	Monthly Average	15	15	***
	Highest Value	23	27	***
LINDFIELD				
Bradfield Rd				
	Number of Samples	5	1	***
	Monthly Average	8	7	***
	Highest Value	11	7	***
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	Number of Samples	6	5	***
	Monthly Average	13	12	***
	Highest Value	20	17	***
SYDNEY				
Grace Bros				
Cnr George & Market Sts				
	Number of Samples	6	1	***
	Monthly Average	17	15	***
	Highest Value	24	15	***
North West Sydney region				
RICHMOND				
University Of Western Sydney				
Vines Rd				
	Number of Samples	6	2	***
	Monthly Average	10	9	***
	Highest Value	21	11	***
Illawarra region				
ALBION PARK				
Croome Rd				
	Number of Samples	5	2	***
	Monthly Average	8	6	***
	Highest Value	16	9	***
KEMBLA GRANGE				
Kembla Grange Racecourse				
Princes Hwy				
	Number of Samples	6	2	***
	Monthly Average	10	7	***
	Highest Value	21	10	***
WARRAWONG				
Carlotta Cres				
	Number of Samples	5	2	***
	Monthly Average	12	6	***
	Highest Value	14	9	***

*** Data not available

2004 Data

TABLE 4.3 (Cont'd)
PARTICULATE MATTER: LESS THAN 10µm (PM₁₀)

Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)
 24-HOUR CLOCK SAMPLE (6-DAY CYCLE)

MONITORING SITE		JUL	AUG	SEP
Illawarra region (Cont'd)				
WOLLONGONG				
Gipps St				
	Number of Samples	6	2	***
	Monthly Average	8	6	***
	Highest Value	12	9	***
Lower Hunter region				
BERESFIELD				
Francis Greenway				
High School				
	Number of Samples	6	1	***
	Monthly Average	15	6	***
	Highest Value	21	6	***
NEWCASTLE				
Athletics Field				
Smith St				
	Number of Samples	6	1	***
	Monthly Average	13	7	***
	Highest Value	21	7	***
WALLSEND				
Swimming Pool				
Frances St				
	Number of Samples	6	1	***
	Monthly Average	12	6	***
	Highest Value	16	6	***

*** Data not available

TABLE 4.4
PARTICULATE MATTER: BY TAPERED ELEMENT
OSCILLATING MICROBALANCE (TEOM-PM₁₀)

NEPM STANDARD LEVEL:

24-hour average = 50 µg/m³

Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)
 1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	96	90	82
	Average	20	17	18
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	52	37	41
	90-percentile Value	87	63	71
	Maximum 1-hour Value	134	77	75
	Maximum 24-hour Value	39	32	34
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	98	97	99
	Average	19	19	18
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	43	43	33
	90-percentile Value	57	80	52
	Maximum 1-hour Value	193	125	65
	Maximum 24-hour Value	42	34	37
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
LINDFIELD				
Bradfield Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	62	99	64
	Average	13	12	12
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	29	27	23
	90-percentile Value	53	38	34
	Maximum 1-hour Value	76	59	49
	Maximum 24-hour Value	20	22	20
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:			
	% Sampling Time	97	95	78
	Average	16	15	14
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	31	35	30
	90-percentile Value	37	58	41
	Maximum 1-hour Value	78	80	58
	Maximum 24-hour Value	25	33	26
	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-PM₁₀)

NEPM STANDARD LEVEL:

24-hour average = 50 µg/m³

Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)
 1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region (Cont'd)				
ROZELLE				
Rozelle Hospital				
Balmain Rd	ALL HOURS IN MONTH:			
	% Sampling Time	97	78	95
	Average	16	16	16
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	32	35	40
	90-percentile Value	45	57	72
	Maximum 1-hour Value	55	58	163
	Maximum 24-hour Value	28	29	33
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
WOOLOOWARE				
Woollooware Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	99	93	***
	Average	13	12	***
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	25	24	***
	90-percentile Value	36	36	***
	Maximum 1-hour Value	39	46	***
	Maximum 24-hour Value	21	25	***
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	***
North West Sydney region				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	98	99	98
	Average	14	14	15
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	30	32	40
	90-percentile Value	43	45	66
	Maximum 1-hour Value	77	83	112
	Maximum 24-hour Value	23	27	27
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
ST MARYS				
Mamre Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	99	80	91
	Average	14	11	10
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	35	25	26
	90-percentile Value	49	41	44
	Maximum 1-hour Value	71	55	51
	Maximum 24-hour Value	26	19	18
	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-PM₁₀)

NEPM STANDARD LEVEL:

24-hour average = 50 µg/m³

Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)
 1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
North West Sydney region (Cont'd)				
VINEYARD				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	98	99	98
	Average	15	14	15
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	32	30	29
	90-percentile Value	47	45	52
	Maximum 1-hour Value	69	60	69
	Maximum 24-hour Value	26	26	27
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	98	97	***
	Average	20	19	***
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	54	50	***
	90-percentile Value	96	108	***
	Maximum 1-hour Value	152	125	***
	Maximum 24-hour Value	40	30	***
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	***
South West Sydney region				
BRINGELLY				
Ramsay Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	91	91	88
	Average	16	15	15
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	40	37	35
	90-percentile Value	60	56	51
	Maximum 1-hour Value	71	76	63
	Maximum 24-hour Value	30	29	24
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
CAMPBELLTOWN				
Kanbyugal Reserve				
Cronulla Cres.	ALL HOURS IN MONTH:			
	% Sampling Time	73	92	28
	Average	14	13	14
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	32	28	29
	90-percentile Value	45	48	46
	Maximum 1-hour Value	125	59	49
	Maximum 24-hour Value	24	27	21
	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-PM₁₀)

NEPM STANDARD LEVEL:

24-hour average = 50 µg/m³

Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)
 1-HOUR CLOCK AVERAGE

MONITORING SITE	JUL	AUG	SEP
South West Sydney region (Cont'd)			
LIVERPOOL			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	98	60	96
Average	19	17	15
DAILY 1-HOUR MAXIMA:			
Monthly Average	46	53	36
90-percentile Value	76	117	53
Maximum 1-hour Value	124	231	63
Maximum 24-hour Value	39	22	25
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
OAKDALE			
Ridge Rd			
ALL HOURS IN MONTH:			
% Sampling Time	94	96	95
Average	8	9	11
DAILY 1-HOUR MAXIMA:			
Monthly Average	22	24	30
90-percentile Value	33	45	56
Maximum 1-hour Value	102	70	58
Maximum 24-hour Value	17	20	19
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
Illawarra region			
ALBION PARK			
Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	98	92
Average	12	11	13
DAILY 1-HOUR MAXIMA:			
Monthly Average	30	34	36
90-percentile Value	58	60	59
Maximum 1-hour Value	81	146	83
Maximum 24-hour Value	27	25	25
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
KEMBLA GRANGE			
Kembla Grange Racecourse			
Princes Hwy			
ALL HOURS IN MONTH:			
% Sampling Time	95	98	98
Average	13	15	14
DAILY 1-HOUR MAXIMA:			
Monthly Average	39	48	40
90-percentile Value	82	87	69
Maximum 1-hour Value	118	187	145
Maximum 24-hour Value	31	43	35
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-PM₁₀)

NEPM STANDARD LEVEL:

24-hour average = 50 µg/m³

Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)
 1-HOUR CLOCK AVERAGE

MONITORING SITE	JUL	AUG	SEP
<i>Illawarra region (Cont'd)</i>			
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	98	99	97
Average	17	15	16
DAILY 1-HOUR MAXIMA:			
Monthly Average	56	39	36
90-percentile Value	114	76	55
Maximum 1-hour Value	397	151	103
Maximum 24-hour Value	83	33	36
NEPM STANDARD LEVEL:			
No. Days Above Level	1	0	0
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	98	94	90
Average	12	12	14
DAILY 1-HOUR MAXIMA:			
Monthly Average	29	27	36
90-percentile Value	42	48	64
Maximum 1-hour Value	57	65	90
Maximum 24-hour Value	20	31	29
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
<i>Lower Hunter region</i>			
BERESFIELD			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	100	99	64
Average	19	17	16
DAILY 1-HOUR MAXIMA:			
Monthly Average	39	38	34
90-percentile Value	70	56	61
Maximum 1-hour Value	99	82	84
Maximum 24-hour Value	38	33	30
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
WALLSEND			
Swimming Pool			
Frances St			
ALL HOURS IN MONTH:			
% Sampling Time	96	92	98
Average	15	15	15
DAILY 1-HOUR MAXIMA:			
Monthly Average	32	31	29
90-percentile Value	48	57	42
Maximum 1-hour Value	57	87	56
Maximum 24-hour Value	25	29	29
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-PM₁₀)

NEPM STANDARD LEVEL:

24-hour average = 50 µg/m³

Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)
 1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
Central Tablelands region				
BATHURST				
Wastewater Treatment Plant				
Off Morrisset St	ALL HOURS IN MONTH:			
	% Sampling Time	70	98	89
	Average	10	11	13
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	20	22	25
	90-percentile Value	32	41	45
	Maximum 1-hour Value	38	57	58
	Maximum 24-hour Value	19	26	31
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
South West Slopes region				
ALBURY				
Jelbart Park				
Cnr Kaylock Rd & Cambourne St	ALL HOURS IN MONTH:			
	% Sampling Time	94	96	96
	Average	11	11	11
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	23	23	22
	90-percentile Value	33	35	30
	Maximum 1-hour Value	41	40	57
	Maximum 24-hour Value	16	16	18
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
WAGGA WAGGA				
Cnr Morgan & Murray Sts				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	82	96
	Average	18	16	15
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	50	45	35
	90-percentile Value	82	73	61
	Maximum 1-hour Value	106	96	75
	Maximum 24-hour Value	37	33	24
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
North West Slopes region				
TAMWORTH				
Hyman Park				
Off Robert Rd	ALL HOURS IN MONTH:			
	% Sampling Time	86	38	86
	Average	20	23	24
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	55	66	60
	90-percentile Value	94	103	86
	Maximum 1-hour Value	107	185	133
	Maximum 24-hour Value	30	36	56
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	1

*** Data not available

2004 Data

**TABLE 4.5
PARTICULATE MATTER: BY TAPERED ELEMENT
OSCILLATING MICROBALANCE (TEOM-PM_{2.5})**

Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)
1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	94	92	88
	Average	9	9	7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	24	21	17
	90-percentile Value	42	31	25
	Maximum 1-hour Value	69	51	31
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	94	97	81
	Average	11	10	9
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	24	21	17
	90-percentile Value	40	31	25
	Maximum 1-hour Value	47	38	33
WOOLLOOWARE				
Woollooware Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	99	92	***
	Average	8	8	***
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	16	15	***
	90-percentile Value	24	23	***
	Maximum 1-hour Value	29	29	***
North West Sydney region				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	97	97
	Average	9	8	8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	21	16	17
	90-percentile Value	34	27	25
	Maximum 1-hour Value	70	41	59
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	63	26	***
	Average	14	14	***
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	32	31	***
	90-percentile Value	48	43	***
	Maximum 1-hour Value	58	44	***

*** Data not available

2004 Data

TABLE 4.5 (Cont'd)
PARTICULATE MATTER: BY TAPERED ELEMENT
OSCILLATING MICROBALANCE (TEOM-PM_{2.5})

Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)
 1-HOUR CLOCK AVERAGE

MONITORING SITE	JUL	AUG	SEP
South West Sydney region			
LIVERPOOL			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	***	88	97
Average	***	9	11
DAILY 1-HOUR MAXIMA:			
Monthly Average	***	28	22
90-percentile Value	***	45	36
Maximum 1-hour Value	***	249	38
Illawarra region			
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	97	98	84
Average	10	9	9
DAILY 1-HOUR MAXIMA:			
Monthly Average	25	19	23
90-percentile Value	36	28	37
Maximum 1-hour Value	104	61	41
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	98	97	98
Average	8	8	8
DAILY 1-HOUR MAXIMA:			
Monthly Average	16	17	16
90-percentile Value	22	27	27
Maximum 1-hour Value	29	46	40
Lower Hunter region			
BERESFIELD			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	95	99	84
Average	10	9	9
DAILY 1-HOUR MAXIMA:			
Monthly Average	20	17	19
90-percentile Value	27	27	29
Maximum 1-hour Value	33	30	41
WALLSEND			
Swimming Pool			
Frances St			
ALL HOURS IN MONTH:			
% Sampling Time	99	96	89
Average	10	9	9
DAILY 1-HOUR MAXIMA:			
Monthly Average	22	18	20
90-percentile Value	31	28	30
Maximum 1-hour Value	43	35	72

*** Data not available

2004 Data

**TABLE 5
SULFUR DIOXIDE (SO₂)**

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

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

MONITORING SITE	JUL	AUG	SEP
Central East Sydney region			
LINDFIELD			
Bradfield Rd			
ALL HOURS IN MONTH:			
% Sampling Time	68	92	61
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.6	0.5	0.6
90-percentile Value	1.4	0.9	1.2
Maximum 1-hour Value	1.8	1.8	1.5
Maximum 24-hour Value	0.3	0.3	0.4
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	95	94	94
Average	0.2	0.2	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.7	0.6	0.6
90-percentile Value	1.2	1.0	1.2
Maximum 1-hour Value	2.1	2.0	2.1
Maximum 24-hour Value	0.5	0.4	0.5
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
WOOLOOWARE			
Woolooware Rd			
ALL HOURS IN MONTH:			
% Sampling Time	94	85	***
Average	0.1	0.0	***
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.2	0.2	***
90-percentile Value	0.5	0.5	***
Maximum 1-hour Value	1.3	1.1	***
Maximum 24-hour Value	0.2	0.3	***
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	*** (***)
North West Sydney region			
RICHMOND			
University Of Western Sydney			
Vines Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	94	88
Average	0.0	0.1	0.0
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.2	0.3	0.2
90-percentile Value	0.3	0.9	0.3
Maximum 1-hour Value	1.4	1.2	0.7
Maximum 24-hour Value	0.2	0.3	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

2004 Data

TABLE 5 (Cont'd)
SULFUR DIOXIDE (SO₂)

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

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

MONITORING SITE		JUL	AUG	SEP
North West Sydney region (Cont'd)				
VINEYARD				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	94	94	96
	Average	0.0	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.2	0.3	0.2
	90-percentile Value	0.3	0.9	0.5
	Maximum 1-hour Value	0.8	1.1	0.6
	Maximum 24-hour Value	0.1	0.2	0.2
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
South West Sydney region				
BARGO				
Silica Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	92	90
	Average	0.0	0.1	0.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.1	0.2	0.1
	90-percentile Value	0.3	0.5	0.3
	Maximum 1-hour Value	0.8	1.0	0.9
	Maximum 24-hour Value	0.2	0.2	0.2
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
BRINGELLY				
Ramsay Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	95	88
	Average	0.0	0.0	0.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.1	0.2	0.1
	90-percentile Value	0.2	0.5	0.3
	Maximum 1-hour Value	0.7	0.7	0.4
	Maximum 24-hour Value	0.2	0.1	0.1
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
Illawarra region				
ALBION PARK				
Croome Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	92	94	94
	Average	0.0	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.1	0.2	0.5
	90-percentile Value	0.3	1.0	1.6
	Maximum 1-hour Value	1.7	1.3	2.7
	Maximum 24-hour Value	0.3	0.4	0.4
	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 (SO₂)

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

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

MONITORING SITE	JUL	AUG	SEP
<i>Illawarra region (Cont'd)</i>			
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	95	94	94
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.6	0.5	0.4
90-percentile Value	1.6	0.9	1.3
Maximum 1-hour Value	8.8	4.5	2.7
Maximum 24-hour Value	1.2	0.6	0.4
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	95	94	94
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.3	0.3	0.5
90-percentile Value	1.1	0.7	1.0
Maximum 1-hour Value	1.3	1.3	2.4
Maximum 24-hour Value	0.3	0.4	0.5
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
<i>Lower Hunter region</i>			
BERESFIELD			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	96	94	73
Average	0.3	0.3	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.9	1.1	0.8
90-percentile Value	1.5	1.9	1.4
Maximum 1-hour Value	2.0	3.0	2.2
Maximum 24-hour Value	0.7	0.9	0.6
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	84	95
Average	0.2	0.2	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.8	0.8	0.7
90-percentile Value	1.8	1.7	1.6
Maximum 1-hour Value	2.6	2.7	2.3
Maximum 24-hour Value	1.4	0.5	0.4
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 6
CARBON MONOXIDE (CO)**

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

Parts per million (ppm)
1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	95	93	84
	Average	0.5	0.4	0.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.4	1.0	0.9
	90-percentile Value	2.5	1.7	1.6
	Maximum 1-hour Value	2.9	2.6	2.2
	Maximum 8-hour Value	2.0	1.4	1.2
	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	92	75	90
	Average	0.4	0.3	0.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.3	0.9	0.7
	90-percentile Value	2.5	1.8	1.6
	Maximum 1-hour Value	2.6	2.3	2.0
	Maximum 8-hour Value	2.1	1.7	1.2
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	0
	No. Days Above Level	0	0	0
SYDNEY				
Grace Bros				
Cnr George & Market Sts	ALL HOURS IN MONTH:			
	% Sampling Time	86	87	***
	Average	1.5	1.5	***
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.9	3.1	***
	90-percentile Value	5.4	4.8	***
	Maximum 1-hour Value	7.5	6.0	***
	Maximum 8-hour Value	4.4	4.3	***
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	***
	No. Days Above Level	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

MONITORING SITE		JUL	AUG	SEP
North West Sydney region				
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	94	94	***
	Average	0.6	0.4	***
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.8	1.2	***
	90-percentile Value	2.7	2.1	***
	Maximum 1-hour Value	2.9	2.6	***
	Maximum 8-hour Value	2.4	1.4	***
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	***
	No. Days Above Level	0	0	***
South West Sydney region				
LIVERPOOL				
Rose St				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	91	92
	Average	0.6	0.4	0.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.9	1.3	0.9
	90-percentile Value	3.0	2.5	1.6
	Maximum 1-hour Value	3.5	2.8	2.3
	Maximum 8-hour Value	2.3	2.3	1.2
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	0
	No. Days Above Level	0	0	0
Illawarra region				
WOLLONGONG				
Gipps St				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	94	93
	Average	0.4	0.3	0.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.1	0.8	0.9
	90-percentile Value	2.3	1.4	1.8
	Maximum 1-hour Value	3.0	2.9	2.9
	Maximum 8-hour Value	1.6	1.1	1.4
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	0
	No. Days Above Level	0	0	0
Lower Hunter region				
NEWCASTLE				
Athletics Field				
Smith St	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	93
	Average	0.4	0.2	0.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.3	0.7	0.6
	90-percentile Value	2.1	1.4	1.0
	Maximum 1-hour Value	2.5	1.6	1.1
	Maximum 8-hour Value	1.7	1.3	0.7
	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		JUL	AUG	SEP
Central East Sydney region				
EARLWOOD				
Beaman Park				
Riverview Rd				
	Number of Samples	5	5	4
	Monthly Average	<0.1 *	<0.1 *	<0.1 *
	Highest Value	<0.1	0.1	<0.1
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	Number of Samples	6	4	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	6	5	***
	Monthly Average	<0.1 *	<0.1 *	***
	Highest Value	<0.1	<0.1	***
Illawarra region				
PORT KEMBLA				
Cnr Church & Kembla Sts				
	Number of Samples	6	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	6	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	6	5	5
	Monthly Average	<0.1 *	<0.1 *	<0.1 *
	Highest Value	<0.1	0.1	<0.1
WARRAWONG				
Carlotta Cres				
	Number of Samples	4	5	5
	Monthly Average	<0.1 *	<0.1 *	<0.1 *
	Highest Value	<0.1	<0.1	<0.1
Lower Hunter region				
WALLSEND				
Swimming Pool				
Frances St				
	Number of Samples	6	4	***
	Monthly Average	<0.1 *	<0.1 *	***
	Highest Value	<0.1	<0.1	***

*** Data not available

* Average value calculated with some data less than detection limit

2004 Data

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		JUL	AUG	SEP
<i>Illawarra region</i>				
PORT KEMBLA				
Cnr Church & Kembla Sts				
	Number of Samples	6	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	6	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	6	5	5
	Monthly Average	<0.02 *	<0.02 *	<0.02 *
	Highest Value	<0.02	<0.02	<0.02

*** Data not available

* Average value calculated with some data less than detection limit

2004 Data

TABLE 9
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					
	JUL		AUG		SEP		JUL		AUG		SEP		JUL		AUG		SEP	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
1	24	14	35	37	15	16	16	16	30	17	15	16	15	15	24	30	14	15
2	14	14	31	33	17	15	16	16	20	30	16	16	15	15	22	28	12	17
3	35	19	15	14	15	19	20	17	15	16	15	17	21	27	14	14	15	17
4	19	16	25	14	18	19	57	15	16	16	17	19	17	15	14	15	17	18
5	15	20	14	13	19	20	16	16	16	14	18	19	15	15	15	14	18	18
6	15	14	12	14	18	19	16	15	15	16	17	19	15	15	14	16	16	18
7	13	13	13	19	23	23	15	15	15	16	18	14	14	15	15	16	18	14
8	12	14	29	17	13	15	15	15	16	17	14	16	14	14	19	22	15	14
9	12	13	18	14	12	14	14	14	18	20	16	15	14	14	16	15	14	14
10	26	20	12	14	11	16	16	19	37	19	15	16	14	12	15	15	14	16
11	16	10	13	13	17	15	30	18	15	15	16	16	11	11	24	16	17	14
12	26	26	12	15	15	15	20	17	15	16	15	15	11	14	16	16	15	14
13	20	14	24	16	15	17	14	14	24	17	15	16	14	15	15	16	14	17
14	32	13	15	12	17	17	19	15	18	15	15	15	11	15	15	13	16	17
15	21	15	15	16	17	13	15	15	16	16	15	16	15	20	15	15	16	15
16	53	23	14	14	14	19	66	15	15	16	16	17	29	71	14	15	15	18
17	35	22	14	16	19	20	22	15	16	16	17	21	25	24	12	13	18	21
18	15	16	16	13	20	22	16	16	16	15	21	25	15	16	13	14	22	22
19	15	13	14	16	23	19	17	16	15	16	21	22	16	15	14	16	22	23
20	10	15	15	16	19	17	14	17	15	18	17	18	14	16	13	18	20	16
21	23	15	16	18	16	39	16	16	17	19	18	22	16	16	17	17	14	22
22	14	15	18	15	23	27	13	15	18	17	24	24	15	17	17	15	23	25
23	22	23	14	16	23	19	16	14	17	18	23	21	11	27	16	17	22	22
24	16	13	24	22	18	20	26	18	20	19	19	18	15	11	16	39	22	19
25	11	14	17	36	22	15	31	15	19	21	19	23	16	14	21	21	18	20
26	13	31	29	45	15	29	23	17	22	23	23	26	14	12	21	19	20	25
27	21	15	20	22	29	27	21	16	21	21	26	21	10	15	18	21	28	24
28	20	13	27	19	27	19	16	17	20	23	23	16	16	14	19	25	21	19
29	14	17	18	17	25	26	17	15	21	17	25	30	16	24	22	16	20	25
30	15	17	16	19	15	11	14	16	20	18	17	14	13	15	16	15	20	18
31	22	21	13	14			30	18	20	16			25	18	14	15		

	PERCENTAGE FREQUENCY																	
	Eastern Sydney						South Western						North Western					
	JUL		AUG		SEP		JUL		AUG		SEP		JUL		AUG		SEP	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW	81	94	81	87	90	83	81	100	94	97	93	90	90	90	100	87	97	90
MED	16	6	19	13	10	17	13	0	6	3	7	10	10	6	0	13	3	10
HIGH	3	0	0	0	0	0	6	0	0	0	0	0	0	3	0	0	0	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					
D A Y	JUL		AUG		SEP		JUL		AUG		SEP		JUL		AUG		SEP	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
1	12	13	25	17	13	15	13	14	23	15	13	16	13	14	22	14	12	14
2	12	13	30	15	15	13	12	14	24	17	14	13	14	14	16	15	12	12
3	14	13	13	13	14	16	16	14	13	15	13	15	24	17	14	14	13	16
4	13	13	13	12	15	18	37	15	15	13	14	17	18	15	14	12	15	15
5	13	13	12	12	18	20	15	14	14	13	19	19	15	14	13	13	17	18
6	12	13	14	14	20	15	13	15	11	15	19	15	10	14	12	14	18	15
7	12	14	13	14	14	14	16	15	15	18	15	17	14	14	14	17	14	17
8	13	13	13	17	11	12	15	13	20	16	14	17	14	11	16	16	13	16
9	12	13	14	16	11	12	11	13	20	15	12	13	11	10	15	14	14	12
10	12	10	15	14	8	15	13	13	18	15	10	15	15	13	12	15	9	14
11	10	6	13	12	14	14	8	8	14	12	14	14	12	15	15	10	13	13
12	8	11	12	13	13	15	18	12	13	13	14	15	13	11	12	14	13	14
13	10	8	11	13	16	13	22	14	13	14	16	15	9	12	13	13	14	14
14	9	10	14	12	17	13	23	12	15	13	12	15	14	10	15	13	14	15
15	11	10	13	15	13	10	25	16	15	15	11	13	17	9	14	14	16	12
16	10	11	15	10	12	17	19	14	14	11	14	16	14	17	13	10	13	15
17	14	15	10	15	18	12	31	15	12	14	14	19	21	16	14	15	14	18
18	13	14	16	15	18	20	14	14	13	13	16	21	15	15	14	12	16	16
19	14	14	14	14	22	17	14	10	11	14	22	17	14	13	11	13	19	17
20	12	12	13	15	17	16	11	8	11	16	17	18	12	9	13	16	15	16
21	13	15	14	15	14	15	34	14	11	11	16	19	11	14	16	13	13	8
22	14	11	12	15	13	21	20	12	11	11	11	22	13	12	11	13	9	7
23	10	12	14	17	18	18	13	13	7	7	18	19	13	18	14	16	13	8
24	11	7	17	14	17	15	12	10	7	5	17	16	15	11	14	16	5	6
25	23	11	15	17	15	15	31	13	4	15	14	5	22	13	15	18		
26	10	7	16	14	15	21	12	6	14	20	6	6	13	7	17	20		
27	14	14	17	13	21	15	13	12	18	17	13	9	10	12	19	19		
28	27	11	14	21	21	19	20	12	17	20	17	13	13	13	19	19		6
29	11	13	16	17	16	18	15	13	18	19	9	12	13	11	16	18	11	19
30	18	12	16	12	16	15	16	12	14	12	18	3	15	11	15	11	17	8
31	22	15	15	13			17	15	16	14			11	16	16	14		

	PERCENTAGE FREQUENCY																	
	Newcastle						Wallsend						Beresfield					
	JUL		AUG		SEP		JUL		AUG		SEP		JUL		AUG		SEP	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW	97	100	94	100	100	100	84	100	100	100	100	100	100	100	100	100	100	100
MED	3	0	6	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0
HIGH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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					
	JUL		AUG		SEP		JUL		AUG		SEP	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
1	15	14	17	15	13	16	15	14	17	17	14	16
2	14	15	16	18	15	15	15	15	16	18	16	15
3	14	11	13	14	15	17	15	16	14	15	15	17
4	10	14	14	15	15	17	16	14	15	16	15	18
5	14	14	14	14	17	17	14	14	15	14	18	19
6	14	15	14	15	16	19	15	15	14	16	16	20
7	14	14	14	14	19	12	14	14	16	16	19	15
8	13	14	15	16	13	16	14	14	16	17	17	16
9	15	13	14	14	16	14	14	12	16	15	16	15
10	10	10	14	14	14	16	12	13	14	15	15	17
11	8	9	13	14	15	14	12	9	14	14	17	16
12	12	13	13	15	14	14	13	14	14	16	15	15
13	12	12	15	15	13	16	11	13	16	16	14	17
14	11	14	15	14	16	14	11	14	16	14	16	15
15	11	13	15	15	14	15	13	14	16	15	15	16
16	13	15	15	15	15	16	14	15	15	16	16	17
17	14	14	14	14	16	18	14	14	15	19	17	20
18	16	16	13	14	19	16	16	16	15	15	20	18
19	16	15	15	15	16	15	15	14	15	17	18	18
20	15	15	15	17	15	16	14	15	16	18	18	17
21	15	14	15	14	14	19	15	14	17	15	16	22
22	14	14	13	15	21	22	15	14	15	17	21	23
23	12	12	15	15	21	18	14	13	16	17	22	20
24	14	6	15	17	17	16	11	8	16	17	17	18
25	12	13	16	18	15	19	12	14	16	20	17	19
26	13	12	16	14	13	21	14	10	18	15	15	22
27	13	14	15	20	19	21	13	15	18	21	22	20
28	14	15	18	17	23	15	14	15	19	18	20	18
29	15	12	17	15	14	19	15	13	19	17	16	25
30	12	14	13	16	15	13	12	14	16	18	16	15
31	14	17	16	15			15	17	18	16		

	PERCENTAGE FREQUENCY											
	Albion Park						Wollongong					
	JUL		AUG		SEP		JUL		AUG		SEP	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW	100	100	100	100	100	100	100	100	100	100	100	97
MED	0	0	0	0	0	0	0	0	0	0	0	3
HIGH	0	0	0	0	0	0	0	0	0	0	0	0