

Quarterly Air Quality Monitoring Report 4 2003

Part A: DEC Data

October – November – December
2003

Contents

Data Tables

- 1 Ozone (O_3)
- 2 Nitrogen Dioxide (NO_2)
- 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 (PM_{10})
 - 4.4 Tapered Element Oscillating Microbalance (TEOM- PM_{10})
 - 4.5 Tapered Element Oscillating Microbalance (TEOM- $PM_{2.5}$)
- 5 Sulfur Dioxide (SO_2)
- 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		OCT	NOV	DEC
Central East Sydney region				
CHULLORA				
Southern Sydney TAFE				
Worth St				
ALL HOURS IN MONTH:				
% Sampling Time		73	95	87
Average		1.7	1.8	1.9
DAILY 1-HOUR MAXIMA:				
Monthly Average		3.0	3.6	3.9
90-percentile Value		3.8	5.3	6.6
Maximum 1-hour Value		4.1	8.4	8.1
Maximum 4-hour Value		4.0	7.7	6.0
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)	1 (6)	1 (2)
No. Days Above Goal		0 (0)	1 (1)	1 (1)
EARLWOOD				
Beaman Park				
Riverview Rd				
ALL HOURS IN MONTH:				
% Sampling Time		96	79	95
Average		1.7	1.8	1.9
DAILY 1-HOUR MAXIMA:				
Monthly Average		3.0	3.1	3.5
90-percentile Value		3.6	4.4	6.5
Maximum 1-hour Value		3.8	4.9	7.0
Maximum 4-hour Value		3.6	4.7	6.1
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 (1)
No. Days Above Goal		0 (0)	0 (0)	0 (1)
LINDFIELD				
Bradfield Rd				
ALL HOURS IN MONTH:				
% Sampling Time		95	89	96
Average		1.9	2.0	2.1
DAILY 1-HOUR MAXIMA:				
Monthly Average		3.4	3.4	3.8
90-percentile Value		4.0	4.9	6.4
Maximum 1-hour Value		4.2	8.1	7.1
Maximum 4-hour Value		3.8	7.5	6.7
NEPM STANDARD LEVEL:				
No. Hours Above Level		0 (0)	0 (0)	0 (0)
No. Days Above Level		0 (0)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:				
No. Hours Above Goal		0 (0)	1 (7)	0 (9)
No. Days Above Goal		0 (0)	1 (1)	0 (1)

2003 Data

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

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		OCT	NOV	DEC
Central East Sydney region (Cont'd)				
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:			
	% Sampling Time	73	85	95
	Average	2.2	2.2	2.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.1	3.4	3.8
	90-percentile Value	4.0	4.6	6.8
	Maximum 1-hour Value	4.7	6.5	7.7
	Maximum 4-hour Value	4.1	5.9	7.1
	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 (8)
	No. Days Above Goal	0 (0)	0 (0)	0 (3)
ROZELLE				
Rozelle Hospital				
Balmain Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	94	95
	Average	1.7	1.8	2.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.0	3.2	3.6
	90-percentile Value	3.6	4.4	6.5
	Maximum 1-hour Value	3.9	6.3	7.6
	Maximum 4-hour Value	3.7	5.8	7.0
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (10)
	No. Days Above Goal	0 (0)	0 (0)	0 (2)
WOOLLOOWARE				
Woollooware Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	82	95	94
	Average	2.0	2.1	2.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.1	3.3	3.5
	90-percentile Value	3.6	4.6	6.1
	Maximum 1-hour Value	3.9	8.4	8.4
	Maximum 4-hour Value	3.9	7.2	6.3
	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)	1 (4)	1 (6)
	No. Days Above Goal	0 (0)	1 (1)	1 (3)

2003 Data

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

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	OCT	NOV	DEC
North West Sydney region			
BLACKTOWN			
Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	96	96
Average	1.7	2.0	2.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.2	4.2	4.4
90-percentile Value	3.9	7.0	6.6
Maximum 1-hour Value	4.1	8.5	10.5
Maximum 4-hour Value	4.0	7.6	6.3
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	1 (3)
No. Days Above Level	0 (0)	0 (0)	1 (1)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	4 (12)	3 (9)
No. Days Above Goal	0 (0)	2 (3)	1 (2)
RICHMOND			
University Of Western Sydney			
Vines Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	87	89
Average	1.8	2.2	2.3
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.3	4.0	4.5
90-percentile Value	4.2	6.1	7.2
Maximum 1-hour Value	4.7	7.2	8.5
Maximum 4-hour Value	4.5	7.1	6.4
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	0 (1)
No. Days Above Level	0 (0)	0 (0)	0 (1)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (6)	3 (9)
No. Days Above Goal	0 (0)	0 (2)	1 (3)
ST MARYS			
Mamre Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	96
Average	1.5	2.0	2.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.0	4.2	4.5
90-percentile Value	3.7	6.5	6.8
Maximum 1-hour Value	4.0	9.1	9.3
Maximum 4-hour Value	3.8	8.1	6.2
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (1)	0 (4)
No. Days Above Level	0 (0)	0 (1)	0 (1)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	2 (9)	5 (8)
No. Days Above Goal	0 (0)	1 (4)	1 (2)

2003 Data

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

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		OCT	NOV	DEC
North West Sydney region (Cont'd)				
VINEYARD				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	96	79	96
	Average	2.0	2.3	2.4
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.4	4.0	4.6
	90-percentile Value	4.0	7.0	6.6
	Maximum 1-hour Value	4.6	9.2	8.3
	Maximum 4-hour Value	4.3	8.1	6.1
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (1)	0 (0)
	No. Days Above Level	0 (0)	0 (1)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	2 (15)	2 (11)
	No. Days Above Goal	0 (0)	1 (3)	1 (2)
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	95	89	96
	Average	1.4	1.9	1.9
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.7	3.9	4.0
	90-percentile Value	3.3	5.6	6.1
	Maximum 1-hour Value	3.5	8.5	9.4
	Maximum 4-hour Value	3.4	7.5	6.2
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (3)
	No. Days Above Level	0 (0)	0 (0)	0 (1)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	2 (6)	4 (9)
	No. Days Above Goal	0 (0)	1 (1)	1 (2)
South West Sydney region				
BARGO				
Silica Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	92	88	94
	Average	2.1	2.4	2.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.2	4.2	4.7
	90-percentile Value	4.1	6.6	8.5
	Maximum 1-hour Value	5.0	7.6	9.7
	Maximum 4-hour Value	4.7	7.4	8.4
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (3)
	No. Days Above Level	0 (0)	0 (0)	0 (2)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (9)	6 (24)
	No. Days Above Goal	0 (0)	0 (3)	4 (6)

2003 Data

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

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	OCT	NOV	DEC
South West Sydney region (Cont'd)			
BRINGELLY			
Ramsay Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	96	93
Average	1.9	2.2	2.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.5	4.6	4.5
90-percentile Value	4.3	7.2	7.0
Maximum 1-hour Value	5.0	10.4	9.4
Maximum 4-hour Value	4.5	8.7	6.8
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	1 (3)	0 (2)
No. Days Above Level	0 (0)	1 (1)	0 (1)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	2 (15)	2 (11)
No. Days Above Goal	0 (0)	1 (4)	1 (3)
LIVERPOOL			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	95	88	94
Average	1.5	1.5	1.9
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.1	3.8	4.1
90-percentile Value	3.9	6.5	5.6
Maximum 1-hour Value	4.6	10.4	10.9
Maximum 4-hour Value	3.9	7.5	5.3
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	1 (0)	2 (3)
No. Days Above Level	0 (0)	1 (0)	1 (1)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	2 (9)	2 (5)
No. Days Above Goal	0 (0)	2 (2)	1 (1)
OAKDALE			
Ridge Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	51	96
Average	2.7	2.7	2.8
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.4	4.4	4.7
90-percentile Value	4.3	6.5	7.4
Maximum 1-hour Value	4.9	7.0	8.1
Maximum 4-hour Value	4.5	6.0	7.0
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	0 (0)
No. Days Above Level	0 (0)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (0)	2 (9)
No. Days Above Goal	0 (0)	0 (0)	1 (4)

2003 Data

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

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	OCT	NOV	DEC
Illawarra region			
ALBION PARK			
Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	94	86	95
Average	2.4	2.1	2.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.4	3.5	3.7
90-percentile Value	3.9	4.3	6.7
Maximum 1-hour Value	4.5	10.4	11.1
Maximum 4-hour Value	4.3	8.5	9.0
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	1 (3)	2 (2)
No. Days Above Level	0 (0)	1 (1)	1 (1)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	2 (5)	2 (13)
No. Days Above Goal	0 (0)	1 (1)	1 (3)
KEMBLA GRANGE			
Kembla Grange Racecourse			
Princes Hwy			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	95
Average	2.1	2.0	2.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.2	3.6	3.8
90-percentile Value	3.7	4.8	7.1
Maximum 1-hour Value	4.4	11.0	9.7
Maximum 4-hour Value	4.2	9.0	8.4
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	1 (3)	0 (2)
No. Days Above Level	0 (0)	1 (1)	0 (1)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	2 (7)	4 (13)
No. Days Above Goal	0 (0)	1 (2)	2 (3)
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	88	95	88
Average	2.3	2.2	2.4
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.2	3.4	3.8
90-percentile Value	3.7	4.4	7.5
Maximum 1-hour Value	4.2	8.7	8.9
Maximum 4-hour Value	4.0	7.6	8.1
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	0 (1)
No. Days Above Level	0 (0)	0 (0)	0 (1)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	1 (6)	4 (15)
No. Days Above Goal	0 (0)	1 (1)	2 (4)

2003 Data

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

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	OCT	NOV	DEC
Illawarra region (Cont'd)			
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	85	95	94
Average	2.1	2.0	2.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.3	3.4	3.8
90-percentile Value	4.3	4.5	7.4
Maximum 1-hour Value	4.5	9.1	9.7
Maximum 4-hour Value	4.2	7.7	8.0
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)	1 (7)	3 (15)
No. Days Above Goal	0 (0)	1 (2)	2 (4)
Lower Hunter region			
BERESFIELD			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	96	91	96
Average	1.9	2.0	2.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.3	3.6	4.1
90-percentile Value	4.1	5.5	6.0
Maximum 1-hour Value	4.3	6.8	7.6
Maximum 4-hour Value	4.0	5.8	6.0
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	0 (0)
No. Days Above Level	0 (0)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (0)	0 (3)
No. Days Above Goal	0 (0)	0 (0)	0 (2)
NEWCASTLE			
Athletics Field			
Smith St			
ALL HOURS IN MONTH:			
% Sampling Time	96	96	95
Average	2.4	2.0	2.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.6	3.2	3.6
90-percentile Value	4.2	4.1	6.0
Maximum 1-hour Value	4.6	4.9	7.9
Maximum 4-hour Value	4.4	4.5	6.1
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 (2)
No. Days Above Goal	0 (0)	0 (0)	0 (2)

2003 Data

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

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		OCT	NOV	DEC
Lower Hunter region (Cont'd)				
WALLSEND				
Swimming Pool				
Frances St	ALL HOURS IN MONTH:			
	% Sampling Time	94	96	92
	Average	2.0	1.9	2.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.3	3.4	3.8
	90-percentile Value	4.1	4.9	5.8
	Maximum 1-hour Value	4.3	6.0	7.3
	Maximum 4-hour Value	4.0	5.7	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)
Central Tablelands region				
BATHURST				
Wastewater Treatment Plant				
Off Morrisset St	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	96
	Average	1.9	2.0	2.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.3	3.6	4.0
	90-percentile Value	3.7	4.4	5.2
	Maximum 1-hour Value	4.3	4.8	5.5
	Maximum 4-hour Value	4.2	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)

2003 Data

() 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		OCT	NOV	DEC
Central East Sydney region				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	73	93	87
	Average	1.4	1.3	1.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.5	2.6	2.4
	90-percentile Value	3.3	4.4	4.0
	Maximum 1-hour Value	3.6	5.4	6.1
	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
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	95
	Average	1.1	1.0	1.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.2	2.1	2.1
	90-percentile Value	3.0	3.6	3.9
	Maximum 1-hour Value	3.1	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
LINDFIELD				
Bradfield Rd	ALL HOURS IN MONTH:			
	% Sampling Time	92	92	76
	Average	0.9	0.7	0.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.9	1.6	1.5
	90-percentile Value	2.8	2.5	2.4
	Maximum 1-hour Value	2.9	3.3	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

2003 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	OCT	NOV	DEC
Central East Sydney region (Cont'd)			
RANDWICK			
Randwick Barracks			
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:		
	% Sampling Time	94	95
	Average	0.9	0.7
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	2.4	1.9
	90-percentile Value	3.3	3.1
	Maximum 1-hour Value	3.5	4.5
	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
ROZELLE			
Rozelle Hospital			
Balmain Rd	ALL HOURS IN MONTH:		
	% Sampling Time	95	93
	Average	1.3	1.1
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	2.5	2.3
	90-percentile Value	3.5	4.2
	Maximum 1-hour Value	3.7	5.1
	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
SYDNEY			
Grace Bros			
Cnr George & Market Sts	ALL HOURS IN MONTH:		
	% Sampling Time	91	95
	Average	2.8	2.9
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	4.6	5.0
	90-percentile Value	6.0	7.0
	Maximum 1-hour Value	7.1	9.4
	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

2003 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	OCT	NOV	DEC
Central East Sydney region (Cont'd)			
WOOLLOOWARE			
Woollooware Rd			
ALL HOURS IN MONTH:			
% Sampling Time	94	95	93
Average	0.8	0.7	0.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.9	1.8	1.9
90-percentile Value	3.1	3.9	3.9
Maximum 1-hour Value	3.5	4.6	5.3
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
North West Sydney region			
BLACKTOWN			
Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	89	91
Average	1.2	1.2	1.0
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.5	2.4	2.2
90-percentile Value	3.3	4.4	3.3
Maximum 1-hour Value	3.8	5.5	4.9
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
RICHMOND			
University Of Western Sydney			
Vines Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	96	93
Average	0.6	0.6	0.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.5	1.6	1.4
90-percentile Value	2.2	2.5	2.1
Maximum 1-hour Value	2.8	2.7	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

2003 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	OCT	NOV	DEC
North West Sydney region (Cont'd)			
ST MARYS			
Mamre Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	96
Average	0.8	0.8	0.8
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.9	2.0	1.8
90-percentile Value	2.8	3.5	3.0
Maximum 1-hour Value	3.5	4.4	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
VINEYARD			
Castle Hill STP			
Bandon Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	79	96
Average	0.6	0.6	0.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.4	1.5	1.4
90-percentile Value	2.0	2.3	1.9
Maximum 1-hour Value	2.8	3.2	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
WESTMEAD			
Westmead Hospital			
Hainsworth St			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	96
Average	1.2	1.1	1.0
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.4	2.3	2.1
90-percentile Value	3.2	3.9	3.5
Maximum 1-hour Value	3.5	4.6	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

2003 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	OCT	NOV	DEC
South West Sydney region			
BARGO			
Silica Rd			
ALL HOURS IN MONTH:			
% Sampling Time	94	88	94
Average	0.6	0.6	0.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.7	1.8	1.7
90-percentile Value	2.4	4.0	3.2
Maximum 1-hour Value	2.7	5.0	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
BRINGELLY			
Ramsay Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	85	66
Average	0.6	0.7	0.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.5	1.6	1.4
90-percentile Value	2.2	2.6	2.1
Maximum 1-hour Value	3.3	4.4	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	95	95	96
Average	0.6	0.6	0.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.3	1.4	1.3
90-percentile Value	1.9	2.3	1.9
Maximum 1-hour Value	3.0	4.3	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

2003 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	OCT	NOV	DEC
South West Sydney region (Cont'd)			
LIVERPOOL			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	95	90	95
Average	1.3	1.2	1.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.5	2.4	2.2
90-percentile Value	3.2	4.3	3.5
Maximum 1-hour Value	3.9	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
OAKDALE			
Ridge Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	96	96
Average	0.2	0.3	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.5	0.7	0.7
90-percentile Value	1.1	1.4	1.2
Maximum 1-hour Value	1.1	1.8	2.2
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
Illawarra region			
ALBION PARK			
Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	75	92	95
Average	0.4	0.5	0.4
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.3	1.2	1.1
90-percentile Value	1.9	3.0	2.3
Maximum 1-hour Value	3.3	3.7	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

2003 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		OCT	NOV	DEC
Illawarra region (Cont'd)				
KEMBLA GRANGE				
Kembla Grange Racecourse				
Princes Hwy	ALL HOURS IN MONTH:			
	% Sampling Time	95	95	95
	Average	0.6	0.7	0.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.6	1.6	1.6
	90-percentile Value	2.6	3.3	3.0
	Maximum 1-hour Value	3.3	5.0	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
WARRAWONG				
Carlotta Cres				
	ALL HOURS IN MONTH:			
	% Sampling Time	94	95	88
	Average	0.7	0.6	0.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.8	1.7	1.6
	90-percentile Value	2.6	3.7	2.7
	Maximum 1-hour Value	3.2	4.3	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
WOLLONGONG				
Gipps St				
	ALL HOURS IN MONTH:			
	% Sampling Time	94	95	94
	Average	0.9	0.9	0.8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.2	2.1	1.8
	90-percentile Value	2.9	3.4	2.8
	Maximum 1-hour Value	3.4	4.9	3.4
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0

2003 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		OCT	NOV	DEC
Lower Hunter region				
BERESFIELD				
Francis Greenway				
High School				
ALL HOURS IN MONTH:				
% Sampling Time		96	94	96
Average		0.8	0.8	0.6
DAILY 1-HOUR MAXIMA:				
Monthly Average		1.9	1.7	1.5
90-percentile Value		2.4	2.6	2.3
Maximum 1-hour Value		3.4	3.3	2.8
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
NEWCASTLE				
Athletics Field				
Smith St				
ALL HOURS IN MONTH:				
% Sampling Time		96	96	95
Average		0.7	0.7	0.6
DAILY 1-HOUR MAXIMA:				
Monthly Average		1.9	1.6	1.4
90-percentile Value		2.6	3.0	2.7
Maximum 1-hour Value		3.1	3.3	3.5
NEPM STANDARD LEVEL:				
No. Hours Above Level		0	0	0
No. Days Above Level		0	0	0
NSW GOV'T LONG TERM GOAL:				
No. Hours Above Goal		0	0	0
No. Days Above Goal		0	0	0
WALLSEND				
Swimming Pool				
Frances St				
ALL HOURS IN MONTH:				
% Sampling Time		92	96	92
Average		0.7	0.7	0.6
DAILY 1-HOUR MAXIMA:				
Monthly Average		1.6	1.5	1.4
90-percentile Value		2.2	2.1	2.2
Maximum 1-hour Value		2.5	3.7	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

2003 Data

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		OCT		NOV		DEC	
		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	73	73	93	93	87	87
	Average	2.7	1.3	2.7	1.4	2.2	1.0
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	8.0	5.8	8.7	6.5	7.0	4.9
	90-percentile Value	15.5	13.2	20.8	17.9	12.3	10.4
	Maximum 1-hour Value	18.8	15.9	21.8	18.5	21.3	19.1
EARLWOOD							
Beaman Park							
Riverview Rd	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	95	95	95	95
	Average	2.9	1.7	2.3	1.3	1.8	0.8
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	9.7	7.5	7.6	5.9	5.3	3.7
	90-percentile Value	18.7	16.6	15.7	13.8	10.9	8.1
	Maximum 1-hour Value	20.6	19.1	23.3	19.8	18.4	15.5
LINDFIELD							
Bradfield Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	92	92	92	92	76	76
	Average	1.2	0.4	1.0	0.3	0.9	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	3.7	2.1	3.1	1.8	3.0	1.7
	90-percentile Value	6.6	4.8	5.7	4.4	5.6	4.0
	Maximum 1-hour Value	8.9	6.4	6.8	5.1	7.1	5.0
RANDWICK							
Randwick Barracks							
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	95	95	95	95
	Average	1.7	0.7	1.2	0.5	1.0	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	6.7	4.5	4.6	2.8	3.3	1.8
	90-percentile Value	11.7	9.1	10.1	7.8	8.3	4.9
	Maximum 1-hour Value	14.1	12.0	18.0	14.0	11.2	7.1
ROZELLE							
Rozelle Hospital							
Balmain Rd	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	93	93	95	95
	Average	1.9	0.7	1.8	0.7	1.4	0.4
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	5.7	3.5	4.9	2.9	3.8	2.0
	90-percentile Value	10.4	8.0	10.1	7.2	7.5	5.1
	Maximum 1-hour Value	11.8	8.3	15.1	11.1	11.7	8.1

2003 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		OCT		NOV		DEC	
		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	91	91	95	95	96	96
	Average	13.8	10.9	14.8	12.0	14.3	11.5
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	27.4	23.3	28.2	24.2	27.5	23.2
	90-percentile Value	40.2	34.8	43.6	38.9	39.5	33.6
	Maximum 1-hour Value	48.2	44.3	52.7	43.6	42.9	34.4
WOOLLOOWARE							
Woollooware Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	95	95	93	93
	Average	1.2	0.4	1.1	0.4	1.0	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	3.5	1.9	3.5	2.1	2.8	1.3
	90-percentile Value	6.9	5.0	8.5	6.7	6.5	3.5
	Maximum 1-hour Value	9.2	5.9	10.1	7.9	7.8	4.1
North West Sydney region							
BLACKTOWN							
Flushcombe Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	89	89	91	91
	Average	2.0	0.8	1.9	0.8	1.5	0.5
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	6.2	4.0	5.8	3.8	4.5	2.5
	90-percentile Value	10.4	7.8	11.5	9.4	8.0	5.9
	Maximum 1-hour Value	14.0	11.3	19.4	16.0	11.9	10.5
RICHMOND							
University Of Western Sydney							
Vines Rd	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	96	96	93	93
	Average	0.7	0.2	0.8	0.2	0.7	0.1
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	2.1	0.9	2.3	1.1	1.8	0.7
	90-percentile Value	3.2	1.8	4.1	2.5	3.0	1.6
	Maximum 1-hour Value	3.5	2.0	4.7	3.7	3.9	1.7
ST MARYS							
Mamre Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	95	95	96	96
	Average	1.3	0.5	1.2	0.4	1.1	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	4.1	2.5	4.0	2.4	3.1	1.7
	90-percentile Value	9.4	8.1	8.1	6.6	5.8	4.2
	Maximum 1-hour Value	14.0	11.8	10.9	9.1	7.4	6.1

2003 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		OCT		NOV		DEC	
		NO _x	NO	NO _x	NO	NO _x	NO
North West Sydney region (Cont'd)							
VINEYARD							
Castle Hill STP							
Bandon Rd	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	79	79	96	96
	Average	0.8	0.2	0.8	0.2	0.7	0.1
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	2.0	0.9	2.1	1.0	2.0	0.9
	90-percentile Value	3.4	2.1	3.8	2.3	4.1	2.8
	Maximum 1-hour Value	4.4	2.6	5.3	2.5	5.7	3.7
WESTMEAD							
Westmead Hospital							
Hainsworth St	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	95	95	96	96
	Average	2.3	1.1	2.0	1.0	1.7	0.8
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	7.5	5.6	7.6	5.9	6.0	4.3
	90-percentile Value	13.8	11.4	15.1	13.5	12.7	11.1
	Maximum 1-hour Value	17.0	14.7	27.8	24.3	13.6	12.4
South West Sydney region							
BARGO							
Silica Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	88	88	94	94
	Average	1.1	0.5	1.0	0.4	0.9	0.4
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	5.2	3.7	4.7	3.2	4.4	2.9
	90-percentile Value	13.3	11.2	12.9	10.2	11.6	8.6
	Maximum 1-hour Value	17.8	16.0	18.7	15.2	19.0	16.6
BRINGELLY							
Ramsay Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	85	85	66	66
	Average	0.9	0.3	0.9	0.3	0.9	0.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	2.2	1.2	2.2	1.1	2.0	1.0
	90-percentile Value	3.7	2.6	4.0	2.6	3.1	2.2
	Maximum 1-hour Value	5.0	2.6	4.6	2.7	3.2	2.6
CAMDEN							
Camden Airport							
Aerodrome Rd	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	95	95	96	96
	Average	0.7	0.2	0.8	0.2	0.7	0.1
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	2.1	1.0	2.0	0.9	1.8	0.8
	90-percentile Value	4.1	3.0	4.2	3.1	3.1	1.7
	Maximum 1-hour Value	4.5	3.9	5.4	3.4	4.6	3.6

2003 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	OCT		NOV		DEC	
	NO _x	NO	NO _x	NO	NO _x	NO
South West Sydney region (Cont'd)						
LIVERPOOL						
Rose St						
ALL HOURS IN MONTH:						
% Sampling Time	95	95	90	90	95	95
Average	2.8	1.6	2.3	1.2	2.0	0.9
DAILY 1-HOUR MAXIMA:						
Monthly Average	10.3	8.2	7.6	5.8	6.8	5.1
90-percentile Value	18.3	16.3	16.3	13.5	14.5	12.2
Maximum 1-hour Value	20.1	17.2	23.8	21.6	18.9	17.5
OAKDALE						
Ridge Rd						
ALL HOURS IN MONTH:						
% Sampling Time	95	95	96	96	96	96
Average	0.2	0.0	0.3	0.0	0.2	0.0
DAILY 1-HOUR MAXIMA:						
Monthly Average	0.5	0.1	0.7	0.1	0.7	0.1
90-percentile Value	1.1	0.2	1.4	0.2	1.3	0.1
Maximum 1-hour Value	1.3	0.7	1.9	0.9	2.5	0.4
Illawarra region						
ALBION PARK						
Croome Rd						
ALL HOURS IN MONTH:						
% Sampling Time	75	75	92	92	95	95
Average	0.5	0.1	0.7	0.2	0.5	0.1
DAILY 1-HOUR MAXIMA:						
Monthly Average	1.6	0.5	1.8	0.7	1.6	0.6
90-percentile Value	2.9	1.2	4.6	1.7	3.2	1.5
Maximum 1-hour Value	4.6	1.5	7.6	4.9	5.9	3.4
KEMBLA GRANGE						
Kembla Grange Racecourse						
Princes Hwy						
ALL HOURS IN MONTH:						
% Sampling Time	95	95	95	95	95	95
Average	0.8	0.2	1.0	0.3	0.8	0.2
DAILY 1-HOUR MAXIMA:						
Monthly Average	2.7	1.4	3.2	1.8	2.6	1.3
90-percentile Value	5.1	3.0	6.5	4.9	5.9	4.2
Maximum 1-hour Value	13.1	11.2	20.0	17.3	9.4	6.4
WARRAWONG						
Carlotta Cres						
ALL HOURS IN MONTH:						
% Sampling Time	94	94	95	95	88	88
Average	0.9	0.2	0.8	0.2	0.8	0.2
DAILY 1-HOUR MAXIMA:						
Monthly Average	3.0	1.3	2.6	1.2	2.6	1.1
90-percentile Value	5.1	3.0	6.2	3.2	4.9	2.9
Maximum 1-hour Value	8.8	6.8	7.1	4.7	5.8	3.9

2003 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		OCT		NOV		DEC	
		NO _x	NO	NO _x	NO	NO _x	NO
Illawarra region (Cont'd)							
WOLLONGONG							
Gipps St							
	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	95	95	94	94
	Average	1.4	0.5	1.6	0.7	1.2	0.4
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	5.7	3.7	5.0	3.3	3.9	2.4
	90-percentile Value	9.7	7.5	10.6	8.3	8.1	6.1
	Maximum 1-hour Value	12.9	10.8	19.2	16.3	13.0	11.0
Lower Hunter region							
BERESFIELD							
Francis Greenway							
High School							
	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	94	94	96	96
	Average	1.4	0.6	1.4	0.7	1.1	0.4
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	5.0	3.3	4.6	3.2	3.7	2.4
	90-percentile Value	10.3	8.4	8.5	7.3	6.7	5.5
	Maximum 1-hour Value	11.8	9.6	11.5	10.1	7.6	6.5
NEWCASTLE							
Athletics Field							
Smith St							
	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	96	96	95	95
	Average	1.1	0.4	1.0	0.4	0.8	0.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	3.6	1.8	3.3	1.9	2.4	1.2
	90-percentile Value	6.7	4.7	6.5	4.2	4.9	2.9
	Maximum 1-hour Value	9.1	7.0	8.1	6.4	9.5	6.5
WALLSEND							
Swimming Pool							
Frances St							
	ALL HOURS IN MONTH:						
	% Sampling Time	92	92	96	96	92	92
	Average	1.0	0.3	0.9	0.3	0.8	0.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	3.0	1.7	3.1	1.9	2.3	1.1
	90-percentile Value	4.9	3.6	6.2	4.8	3.7	2.5
	Maximum 1-hour Value	9.5	8.2	7.9	5.9	4.5	2.6

2003 Data

TABLE 4.1
PARTICULATE MATTER: BY NEPHELOMETER (NEPH)

Coefficient of light scattering by fine particles per 10 km
1-HOUR CLOCK AVERAGE

MONITORING SITE		OCT	NOV	DEC
Central East Sydney region				
CHULLORA				
Southern Sydney TAFE				
Worth St				
	% Sampling Time	98	99	91
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.4	0.4	0.4
	Maximum 24-hour Average	0.5	0.4	0.5
	Maximum 1-hour Value	2.5	1.1	0.9
EARLWOOD				
Beaman Park				
Riverview Rd				
	% Sampling Time	99	98	99
	Monthly Average	0.2	0.2	0.1
	90-percentile Value	0.4	0.3	0.1
	Maximum 24-hour Average	0.6	0.6	0.1
	Maximum 1-hour Value	1.1	1.7	0.4
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts				
	% Sampling Time	98	99	99
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.3	0.4	0.4
	Maximum 24-hour Average	0.5	0.5	0.4
	Maximum 1-hour Value	1.7	0.9	0.7
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	% Sampling Time	96	98	98
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.4	0.4	0.4
	Maximum 24-hour Average	0.6	0.4	0.5
	Maximum 1-hour Value	1.3	1.0	1.0
WOOLLOOWARE				
Woollooware Rd				
	% Sampling Time	98	99	99
	Monthly Average	0.2	0.2	0.3
	90-percentile Value	0.3	0.4	0.4
	Maximum 24-hour Average	0.5	0.5	0.5
	Maximum 1-hour Value	1.0	0.9	1.2

2003 Data

TABLE 4.1 (Cont'd)
PARTICULATE MATTER: BY NEPHELOMETER (NEPH)

Coefficient of light scattering by fine particles per 10 km
 1-HOUR CLOCK AVERAGE

MONITORING SITE		OCT	NOV	DEC
North West Sydney region				
BLACKTOWN				
Flushcombe Rd				
	% Sampling Time	99	99	99
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.4	0.4	0.4
	Maximum 24-hour Average	0.6	0.5	0.6
	Maximum 1-hour Value	1.0	1.1	1.2
RICHMOND				
University Of Western Sydney				
Vines Rd				
	% Sampling Time	99	99	99
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.3	0.4	0.4
	Maximum 24-hour Average	0.4	0.4	0.7
	Maximum 1-hour Value	0.7	1.0	1.3
ST MARYS				
Mamre Rd				
	% Sampling Time	98	98	99
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.3	0.4	0.4
	Maximum 24-hour Average	0.4	0.5	0.6
	Maximum 1-hour Value	0.7	1.0	1.3
WESTMEAD				
Westmead Hospital				
Hainsworth St				
	% Sampling Time	99	98	99
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.3	0.3	0.4
	Maximum 24-hour Average	0.5	0.4	0.5
	Maximum 1-hour Value	0.8	0.6	1.1
South West Sydney region				
BARGO				
Silica Rd				
	% Sampling Time	99	92	97
	Monthly Average	0.1	0.1	0.2
	90-percentile Value	0.2	0.3	0.3
	Maximum 24-hour Average	0.4	0.4	0.3
	Maximum 1-hour Value	1.1	0.8	0.8

2003 Data

TABLE 4.1 (Cont'd)
PARTICULATE MATTER: BY NEPHELOMETER (NEPH)

Coefficient of light scattering by fine particles per 10 km
 1-HOUR CLOCK AVERAGE

MONITORING SITE		OCT	NOV	DEC
South West Sydney region (Cont'd)				
BRINGELLY				
Ramsay Rd				
	% Sampling Time	97	99	95
	Monthly Average	0.2	0.2	0.3
	90-percentile Value	0.4	0.4	0.5
	Maximum 24-hour Average	0.4	0.5	0.6
	Maximum 1-hour Value	2.1	1.7	1.3
LIVERPOOL				
Rose St				
	% Sampling Time	98	99	97
	Monthly Average	0.2	0.2	0.3
	90-percentile Value	0.3	0.4	0.4
	Maximum 24-hour Average	0.5	0.6	0.7
	Maximum 1-hour Value	0.9	1.4	1.3
OAKDALE				
Ridge Rd				
	% Sampling Time	99	99	97
	Monthly Average	0.1	0.2	0.2
	90-percentile Value	0.2	0.3	0.3
	Maximum 24-hour Average	0.3	0.3	0.5
	Maximum 1-hour Value	0.6	1.2	0.8
Illawarra region				
ALBION PARK				
Croome Rd				
	% Sampling Time	99	96	99
	Monthly Average	0.1	0.2	0.2
	90-percentile Value	0.3	0.4	0.4
	Maximum 24-hour Average	0.3	0.6	0.5
	Maximum 1-hour Value	0.6	1.0	0.7
KEMBLA GRANGE				
Kembla Grange Racecourse				
Princes Hwy				
	% Sampling Time	99	99	98
	Monthly Average	0.2	0.2	0.3
	90-percentile Value	0.3	0.4	0.5
	Maximum 24-hour Average	0.4	0.7	0.5
	Maximum 1-hour Value	0.7	1.0	1.1

2003 Data

TABLE 4.1 (Cont'd)
PARTICULATE MATTER: BY NEPHELOMETER (NEPH)

Coefficient of light scattering by fine particles per 10 km
 1-HOUR CLOCK AVERAGE

MONITORING SITE		OCT	NOV	DEC
Illawarra region (Cont'd)				
WOLLONGONG				
Gipps St				
	% Sampling Time	96	99	99
	Monthly Average	0.1	0.2	0.2
	90-percentile Value	0.2	0.4	0.4
	Maximum 24-hour Average	0.3	0.5	0.6
	Maximum 1-hour Value	1.3	0.8	0.9
Lower Hunter region				
BERESFIELD				
Francis Greenway				
High School				
	% Sampling Time	99	98	99
	Monthly Average	0.1	0.2	0.2
	90-percentile Value	0.2	0.3	0.3
	Maximum 24-hour Average	0.4	0.5	0.4
	Maximum 1-hour Value	1.4	0.8	1.0
NEWCASTLE				
Athletics Field				
Smith St				
	% Sampling Time	46	99	30
	Monthly Average	0.1	0.2	0.2
	90-percentile Value	0.2	0.4	0.3
	Maximum 24-hour Average	0.3	0.5	0.3
	Maximum 1-hour Value	1.6	1.0	0.5
WALLSEND				
Swimming Pool				
Frances St				
	% Sampling Time	99	99	95
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.2	0.3	0.3
	Maximum 24-hour Average	0.4	0.4	0.4
	Maximum 1-hour Value	1.4	0.7	0.7
Central Tablelands region				
BATHURST				
Wastewater Treatment Plant				
Off Morrisset St				
	% Sampling Time	100	99	100
	Monthly Average	0.2	0.2	0.1
	90-percentile Value	0.4	0.4	0.3
	Maximum 24-hour Average	0.5	0.4	0.2
	Maximum 1-hour Value	1.5	1.2	0.5

2003 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		OCT	NOV	DEC
Central East Sydney region				
EARLWOOD				
Beaman Park				
Riverview Rd				
	Number of Samples	5	5	5
	Monthly Average	48	52	37
	Highest Value	104	109	59
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	Number of Samples	5	4	5
	Monthly Average	27	34	26
	Highest Value	40	59	32
SYDNEY				
Grace Bros				
Cnr George & Market Sts				
	Number of Samples	5	5	5
	Monthly Average	61	58	60
	Highest Value	112	86	68
Illawarra region				
PORT KEMBLA				
Cnr Church & Kempls Sts				
	Number of Samples	5	5	5
	Monthly Average	47	61	55
	Highest Value	57	92	68
PORT KEMBLA				
Cnr Blaxland Ave				
& Flagstaff Rd				
	Number of Samples	5	5	5
	Monthly Average	50	74	71
	Highest Value	66	141	120
PORT KEMBLA				
Fire Station				
Military Road				
	Number of Samples	5	5	5
	Monthly Average	55	61	59
	Highest Value	69	85	70
WARRAWONG				
Carlotta Cres				
	Number of Samples	5	4	5
	Monthly Average	40	54	52
	Highest Value	47	97	68
Lower Hunter region				
WALLSEND				
Swimming Pool				
Frances St				
	Number of Samples	5	5	5
	Monthly Average	49	37	35
	Highest Value	146	66	45

*** Data not available

2003 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		OCT	NOV	DEC
Central East Sydney region				
EARLWOOD				
Beaman Park				
Riverview Rd				
	Number of Samples	5	5	3
	Monthly Average	16	19	14
	Highest Value	18	37	16
LINDFIELD				
Bradfield Rd				
	Number of Samples	4	4	2
	Monthly Average	13	18	10
	Highest Value	17	28	11
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	Number of Samples	5	5	5
	Monthly Average	17	18	14
	Highest Value	19	33	16
SYDNEY				
Grace Bros				
Cnr George & Market Sts				
	Number of Samples	5	5	5
	Monthly Average	24	23	23
	Highest Value	32	28	25
North West Sydney region				
BLACKTOWN				
Flushcombe Rd				
	Number of Samples	5	5	4
	Monthly Average	14	17	14
	Highest Value	16	25	17
RICHMOND				
University Of Western Sydney				
Vines Rd				
	Number of Samples	4	4	3
	Monthly Average	14	14	14
	Highest Value	18	21	16
Illawarra region				
ALBION PARK				
Croome Rd				
	Number of Samples	5	4	3
	Monthly Average	12	23	15
	Highest Value	14	38	15
KEMBLA GRANGE				
Kembla Grange Racecourse				
Princes Hwy				
	Number of Samples	5	5	5
	Monthly Average	15	20	17
	Highest Value	20	32	20

*** Data not available

2003 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		OCT	NOV	DEC
<i>Illawarra region (Cont'd)</i>				
WARRAWONG				
Carlotta Cres				
	Number of Samples	5	5	5
	Monthly Average	18	23	19
	Highest Value	22	37	26
WOLLONGONG				
Gipps St				
	Number of Samples	5	5	5
	Monthly Average	15	22	15
	Highest Value	17	35	18
<i>Lower Hunter region</i>				
BERESFIELD				
Francis Greenway				
High School				
	Number of Samples	5	5	5
	Monthly Average	29	21	16
	Highest Value	82	45	24
NEWCASTLE				
Athletics Field				
Smith St				
	Number of Samples	5	5	5
	Monthly Average	29	21	18
	Highest Value	72	42	22
WALLSEND				
Swimming Pool				
Frances St				
	Number of Samples	5	5	5
	Monthly Average	24	18	15
	Highest Value	76	34	19

*** Data not available

2003 Data

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		OCT	NOV	DEC
Central East Sydney region				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	75	81	91
	Average	18	21	21
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	35	40	44
	90-percentile Value	49	79	66
	Maximum 1-hour Value	53	92	78
	Maximum 24-hour Value	29	44	35
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	71	99	95
	Average	17	22	22
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	42	44	41
	90-percentile Value	64	90	69
	Maximum 1-hour Value	88	144	79
	Maximum 24-hour Value	34	46	40
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
LINDFIELD				
Bradfield Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	99	99	99
	Average	14	15	17
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	40	35	30
	90-percentile Value	61	65	42
	Maximum 1-hour Value	76	70	51
	Maximum 24-hour Value	21	29	32
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:			
	% Sampling Time	100	100	99
	Average	16	19	20
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	34	37	51
	90-percentile Value	53	56	81
	Maximum 1-hour Value	126	100	256
	Maximum 24-hour Value	31	34	37
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0

2003 Data

TABLE 4.4 (Cont'd)

PARTICULATE MATTER: BY TAPERED ELEMENT
OSCILLATING MICROBALANCE (TEOM-PM₁₀)Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:
24-hour average = 50 µg/m³

MONITORING SITE		OCT	NOV	DEC
Central East Sydney region (Cont'd)				
ROZELLE				
Rozelle Hospital				
Balmain Rd	ALL HOURS IN MONTH:			
	% Sampling Time	***	***	99
	Average	***	***	20
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	***	***	42
	90-percentile Value	***	***	69
	Maximum 1-hour Value	***	***	115
	Maximum 24-hour Value	***	***	34
	NEPM STANDARD LEVEL:			
	No. Days Above Level	***	***	0
WOOLLOOWARE				
Woollooware Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	99	100	97
	Average	15	18	19
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	29	30	34
	90-percentile Value	40	57	53
	Maximum 1-hour Value	67	71	70
	Maximum 24-hour Value	25	29	32
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
North West Sydney region				
BLACKTOWN				
Flushcombe Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	81	99	99
	Average	16	18	19
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	32	39	39
	90-percentile Value	52	68	62
	Maximum 1-hour Value	107	77	74
	Maximum 24-hour Value	24	35	33
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	99	99	100
	Average	14	18	19
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	39	36	37
	90-percentile Value	56	55	60
	Maximum 1-hour Value	254	72	71
	Maximum 24-hour Value	34	36	36
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0

*** Data not available

2003 Data

TABLE 4.4 (Cont'd)

PARTICULATE MATTER: BY TAPERED ELEMENT
OSCILLATING MICROBALANCE (TEOM-PM₁₀)Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:
24-hour average = 50 µg/m³

MONITORING SITE	OCT	NOV	DEC
North West Sydney region (Cont'd)			
ST MARYS			
Mamre Rd			
ALL HOURS IN MONTH:			
% Sampling Time	99	83	99
Average	13	18	19
DAILY 1-HOUR MAXIMA:			
Monthly Average	30	40	42
90-percentile Value	41	74	67
Maximum 1-hour Value	47	108	88
Maximum 24-hour Value	23	35	41
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
VINEYARD			
Castle Hill STP			
Bandon Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	99	100
Average	13	16	18
DAILY 1-HOUR MAXIMA:			
Monthly Average	29	32	37
90-percentile Value	39	57	64
Maximum 1-hour Value	99	75	78
Maximum 24-hour Value	23	29	35
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
WESTMEAD			
Westmead Hospital			
Hainsworth St			
ALL HOURS IN MONTH:			
% Sampling Time	100	96	100
Average	15	17	18
DAILY 1-HOUR MAXIMA:			
Monthly Average	34	34	34
90-percentile Value	53	63	53
Maximum 1-hour Value	108	74	56
Maximum 24-hour Value	25	33	33
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
South West Sydney region			
BRINGELLY			
Ramsay Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	100	99
Average	14	19	20
DAILY 1-HOUR MAXIMA:			
Monthly Average	45	49	43
90-percentile Value	57	80	62
Maximum 1-hour Value	296	211	66
Maximum 24-hour Value	29	36	36
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0

2003 Data

TABLE 4.4 (Cont'd)

PARTICULATE MATTER: BY TAPERED ELEMENT
OSCILLATING MICROBALANCE (TEOM-PM₁₀)NEPM STANDARD LEVEL:
24-hour average = 50 µg/m³Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)

1-HOUR CLOCK AVERAGE

MONITORING SITE		OCT	NOV	DEC
South West Sydney region (Cont'd)				
CAMPBELLTOWN				
Kanbyugal Reserve				
Cronulla Cres.	ALL HOURS IN MONTH:			
	% Sampling Time	99	100	100
	Average	14	18	19
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	38	40	52
	90-percentile Value	56	66	82
	Maximum 1-hour Value	104	86	148
	Maximum 24-hour Value	29	35	47
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
LIVERPOOL				
Rose St	ALL HOURS IN MONTH:			
	% Sampling Time	78	100	98
	Average	12	20	21
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	25	41	42
	90-percentile Value	45	69	66
	Maximum 1-hour Value	109	92	72
	Maximum 24-hour Value	31	37	33
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
Illawarra region				
ALBION PARK				
Croome Rd	ALL HOURS IN MONTH:			
	% Sampling Time	99	97	100
	Average	13	18	19
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	27	37	46
	90-percentile Value	44	68	90
	Maximum 1-hour Value	63	94	119
	Maximum 24-hour Value	23	38	47
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
WARRAWONG				
Carlotta Cres	ALL HOURS IN MONTH:			
	% Sampling Time	99	100	93
	Average	18	23	26
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	42	47	50
	90-percentile Value	58	88	93
	Maximum 1-hour Value	113	133	108
	Maximum 24-hour Value	29	41	48
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0

2003 Data

TABLE 4.4 (Cont'd)

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

Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:
24-hour average = 50 µg/m³

MONITORING SITE		OCT	NOV	DEC
Illawarra region (Cont'd)				
WOLLONGONG				
Gipps St				
	ALL HOURS IN MONTH:			
	% Sampling Time	99	98	99
	Average	16	19	23
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	37	42	43
	90-percentile Value	60	81	84
	Maximum 1-hour Value	76	190	111
	Maximum 24-hour Value	24	42	60
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	2
Lower Hunter region				
BERESFIELD				
Francis Greenway				
High School				
	ALL HOURS IN MONTH:			
	% Sampling Time	99	98	100
	Average	17	17	20
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	47	38	38
	90-percentile Value	52	78	58
	Maximum 1-hour Value	513	112	74
	Maximum 24-hour Value	88	49	34
	NEPM STANDARD LEVEL:			
	No. Days Above Level	1	0	0
WALLSEND				
Swimming Pool				
Frances St				
	ALL HOURS IN MONTH:			
	% Sampling Time	98	99	96
	Average	17	17	19
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	45	31	36
	90-percentile Value	37	55	49
	Maximum 1-hour Value	594	70	132
	Maximum 24-hour Value	105	37	32
	NEPM STANDARD LEVEL:			
	No. Days Above Level	1	0	0
Central Tablelands region				
BATHURST				
Wastewater Treatment Plant				
Off Morrisset St				
	ALL HOURS IN MONTH:			
	% Sampling Time	100	99	100
	Average	13	13	14
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	42	30	31
	90-percentile Value	65	48	48
	Maximum 1-hour Value	542	65	65
	Maximum 24-hour Value	57	28	29
	NEPM STANDARD LEVEL:			
	No. Days Above Level	1	0	0

2003 Data

TABLE 4.4 (Cont'd)

PARTICULATE MATTER: BY TAPERED ELEMENT
OSCILLATING MICROBALANCE (TEOM-PM₁₀)Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:
24-hour average = 50 µg/m³

MONITORING SITE	OCT	NOV	DEC
South West Slopes region			
ALBURY			
Jelbart Park			
Cnr Kaylock Rd & Cambourne St	ALL HOURS IN MONTH:		
% Sampling Time	100	26	***
Average	9	16	***
DAILY 1-HOUR MAXIMA:			
Monthly Average	19	26	***
90-percentile Value	25	39	***
Maximum 1-hour Value	28	41	***
Maximum 24-hour Value	14	21	***
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	***
WAGGA WAGGA			
Cnr Morgan & Murray Sts			
ALL HOURS IN MONTH:			
% Sampling Time	100	99	84
Average	14	20	20
DAILY 1-HOUR MAXIMA:			
Monthly Average	37	44	56
90-percentile Value	53	70	73
Maximum 1-hour Value	129	147	313
Maximum 24-hour Value	21	42	41
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	54	82	100
Average	34	15	16
DAILY 1-HOUR MAXIMA:			
Monthly Average	114	46	40
90-percentile Value	193	58	55
Maximum 1-hour Value	967	361	87
Maximum 24-hour Value	243	35	29
NEPM STANDARD LEVEL:			
No. Days Above Level	1	0	0

*** Data not available

2003 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		OCT	NOV	DEC
Central East Sydney region				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	28	99	90
	Average	6	8	8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	13	17	18
	90-percentile Value	20	29	29
	Maximum 1-hour Value	20	38	36
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	100	99	99
	Average	9	10	10
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	17	18	18
	90-percentile Value	26	29	28
	Maximum 1-hour Value	32	47	34
WOOLLOOWARE				
Woollooware Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	74	100	94
	Average	9	10	10
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	15	16	17
	90-percentile Value	20	27	27
	Maximum 1-hour Value	26	33	37
North West Sydney region				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	99	99	100
	Average	7	9	10
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	16	17	19
	90-percentile Value	23	27	31
	Maximum 1-hour Value	44	31	36
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	100	96	100
	Average	10	11	12
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	18	20	23
	90-percentile Value	27	33	32
	Maximum 1-hour Value	34	43	38

2003 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	OCT	NOV	DEC
South West Sydney region			
LIVERPOOL			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	***	***	90
Average	***	***	13
DAILY 1-HOUR MAXIMA:			
Monthly Average	***	***	25
90-percentile Value	***	***	41
Maximum 1-hour Value	***	***	52
Illawarra region			
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	99	99	91
Average	10	12	13
DAILY 1-HOUR MAXIMA:			
Monthly Average	21	23	26
90-percentile Value	30	42	45
Maximum 1-hour Value	39	55	58
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	99	98	99
Average	9	10	11
DAILY 1-HOUR MAXIMA:			
Monthly Average	18	19	21
90-percentile Value	23	32	34
Maximum 1-hour Value	55	54	38
Lower Hunter region			
BERESFIELD			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	49	98	98
Average	11	10	10
DAILY 1-HOUR MAXIMA:			
Monthly Average	25	19	17
90-percentile Value	32	36	27
Maximum 1-hour Value	149	49	28
WALLSEND			
Swimming Pool			
Frances St			
ALL HOURS IN MONTH:			
% Sampling Time	73	99	96
Average	7	8	9
DAILY 1-HOUR MAXIMA:			
Monthly Average	13	15	16
90-percentile Value	18	25	24
Maximum 1-hour Value	26	33	27

*** Data not available

2003 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	OCT	NOV	DEC
Central East Sydney region			
LINDFIELD Bradfield Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	92	96
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.3	0.3	0.3
90-percentile Value	0.8	0.7	0.6
Maximum 1-hour Value	1.1	1.1	1.4
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	94	95	95
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.5	0.5	0.5
90-percentile Value	0.9	1.1	1.3
Maximum 1-hour Value	1.4	2.5	3.0
Maximum 24-hour Value	0.3	0.3	0.4
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
WOOLLOOWARE Woollooware Rd			
ALL HOURS IN MONTH:			
% Sampling Time	88	95	94
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.3	0.3	0.4
90-percentile Value	0.7	0.7	1.0
Maximum 1-hour Value	1.5	2.0	1.3
Maximum 24-hour Value	0.3	0.4	0.3
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
North West Sydney region			
BLACKTOWN Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	96	95
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.2	0.4	0.3
90-percentile Value	0.5	0.6	0.6
Maximum 1-hour Value	0.5	1.6	1.1
Maximum 24-hour Value	0.2	0.4	0.3
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)

2003 Data

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

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		OCT	NOV	DEC
North West Sydney region (Cont'd)				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	93	96	96
	Average	0.0	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.1	0.2	0.2
	90-percentile Value	0.4	0.4	0.4
	Maximum 1-hour Value	0.4	0.9	0.5
	Maximum 24-hour Value	0.1	0.2	0.1
	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	79	96
	Average	0.0	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.1	0.2	0.3
	90-percentile Value	0.3	0.5	0.6
	Maximum 1-hour Value	0.6	0.6	0.7
	Maximum 24-hour Value			
	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	77	85	70
	Average	0.0	0.0	0.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.1	0.1	0.1
	90-percentile Value	0.3	0.4	0.4
	Maximum 1-hour Value	0.4	0.5	0.6
	Maximum 24-hour Value	0.2	0.1	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	92	92
	Average	0.0	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.1	0.2	0.2
	90-percentile Value	0.2	0.5	0.5
	Maximum 1-hour Value	0.7	0.6	1.4
	Maximum 24-hour Value	0.2	0.2	0.2
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)

2003 Data

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

TABLE 5 (Cont'd)
SULFUR DIOXIDE (SO₂)

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

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

MONITORING SITE	OCT	NOV	DEC
Illawarra region			
ALBION PARK Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	94	92	95
Average	0.1	0.2	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.3	0.6	0.6
90-percentile Value	0.9	1.9	1.6
Maximum 1-hour Value	2.6	3.2	3.5
Maximum 24-hour Value	0.6	0.8	0.9
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	94	95	88
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.6	0.4	0.6
90-percentile Value	1.3	1.4	1.5
Maximum 1-hour Value	2.5	1.8	2.9
Maximum 24-hour Value	0.6	0.5	0.5
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	94	95	92
Average	0.1	0.2	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.5	0.6	0.8
90-percentile Value	1.0	1.3	1.7
Maximum 1-hour Value	1.3	1.4	2.7
Maximum 24-hour Value	0.3	0.5	0.6
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
Lower Hunter region			
BERESFIELD			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	93	94	96
Average	0.2	0.2	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.6	0.8	0.7
90-percentile Value	1.1	1.9	1.5
Maximum 1-hour Value	2.1	3.2	2.0
Maximum 24-hour Value	0.5	0.5	0.5
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)

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

2003 Data

TABLE 5 (Cont'd)
SULFUR DIOXIDE (SO₂)

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

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

MONITORING SITE		OCT	NOV	DEC
<i>Lower Hunter region (Cont'd)</i>				
WALLSEND				
Swimming Pool				
Frances St	ALL HOURS IN MONTH:			
	% Sampling Time	87	95	83
	Average	0.1	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.6	0.7	0.8
	90-percentile Value	1.4	1.5	2.0
	Maximum 1-hour Value	2.6	1.8	3.3
	Maximum 24-hour Value	0.4	0.3	0.3
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)

2003 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		OCT	NOV	DEC
Central East Sydney region				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	91	82	83
	Average	0.1	0.1	0.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.6	0.5	0.5
	90-percentile Value	1.2	1.2	0.9
	Maximum 1-hour Value	1.6	1.5	1.2
	Maximum 8-hour Value	1.0	1.1	0.8
	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	88	95
	Average	0.2	0.2	0.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.6	0.5	0.5
	90-percentile Value	1.0	1.0	0.9
	Maximum 1-hour Value	1.2	1.1	1.3
	Maximum 8-hour Value	0.8	0.8	0.7
	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	73	95	95
	Average	1.2	1.5	1.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.9	3.5	3.7
	90-percentile Value	3.9	5.1	4.9
	Maximum 1-hour Value	4.8	6.3	6.7
	Maximum 8-hour Value	3.7	3.6	4.2
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	0
	No. Days Above Level	0	0	0

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	OCT	NOV	DEC
North West Sydney region			
BLACKTOWN			
Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	92	95	95
Average	0.0	0.0	0.0
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.3	0.3	0.2
90-percentile Value	0.9	0.9	0.6
Maximum 1-hour Value	1.2	1.4	0.8
Maximum 8-hour Value	0.5	0.5	0.2
NEPM STANDARD LEVEL:			
No.Events Above Level	0	0	0
No. Days Above Level	0	0	0
WESTMEAD			
Westmead Hospital			
Hainsworth St			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	96
Average	0.1	0.3	0.3
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.2	0.7	0.7
90-percentile Value	0.9	1.2	1.0
Maximum 1-hour Value	1.3	1.8	1.5
Maximum 8-hour Value	0.6	0.8	0.8
NEPM STANDARD LEVEL:			
No.Events Above Level	0	0	0
No. Days Above Level	0	0	0
South West Sydney region			
LIVERPOOL			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	95	82	95
Average	0.3	0.3	0.3
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.0	0.7	0.7
90-percentile Value	1.7	1.4	1.1
Maximum 1-hour Value	2.0	1.8	1.4
Maximum 8-hour Value	1.4	1.3	0.8
NEPM STANDARD LEVEL:			
No.Events Above Level	0	0	0
No. Days Above Level	0	0	0

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	OCT	NOV	DEC
<i>Illawarra region</i>			
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	93	95	94
Average	0.3	0.3	0.3
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.8	0.8	0.8
90-percentile Value	1.2	1.2	1.9
Maximum 1-hour Value	1.4	1.6	2.4
Maximum 8-hour Value	0.8	1.1	1.3
NEPM STANDARD LEVEL:			
No.Events Above Level	0	0	0
No. Days Above Level	0	0	0
<i>Lower Hunter region</i>			
NEWCASTLE			
Athletics Field			
Smith St			
ALL HOURS IN MONTH:			
% Sampling Time	96	96	95
Average	0.2	0.2	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.5	0.4	0.4
90-percentile Value	0.9	0.6	0.6
Maximum 1-hour Value	1.0	1.0	1.0
Maximum 8-hour Value	0.8	0.6	0.5
NEPM STANDARD LEVEL:			
No.Events Above Level	0	0	0
No. Days Above Level	0	0	0

TABLE 7

LEAD (Pb)

Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)

24-HOUR CLOCK SAMPLE (6 DAY CYCLE)

MONITORING SITE		OCT	NOV	DEC
Central East Sydney region				
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	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	5	5	5
	Monthly Average	<0.1 *	<0.1 *	<0.1 *
	Highest Value	<0.1	0.1	<0.1
Illawarra region				
PORT KEMBLA				
Cnr Church & Kempls 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	4	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	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

2003 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		OCT	NOV	DEC
<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

2003 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

D A Y	REGIONS																	
	Eastern Sydney						South Western						North Western					
	OCT		NOV		DEC		OCT		NOV		DEC		OCT		NOV		DEC	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
1	18	40	13	13	20	24	17	15	18	13	36	29	19	20	14	13	30	23
2	31	16	12	12	25	19	24	15	14	12	30	17	21	16	13	12	24	19
3	15	14	12	17	18	24	12	15	12	19	15	27	15	14	12	19	21	31
4	18	16	18	18	24	42	12	19	20	23	28	30	12	17	20	21	26	32
5	15	18	18	23	28	20	17	19	24	28	23	13	18	18	21	27	26	17
6	26	27	22	19	12	12	13	14	30	19	11	12	22	14	32	18	9	12
7	25	18	21	13	12	11	12	17	19	15	12	12	16	22	19	14	12	12
8	29	23	12	16	12	12	16	15	15	22	11	18	22	19	13	22	11	18
9	15	14	21	19	11	14	14	14	25	28	17	17	12	14	23	25	21	25
10	21	14	18	16	12	20	14	15	27	26	21	30	13	15	25	27	32	28
11	13	15	13	27	19	26	14	14	22	38	32	22	13	14	27	36	36	32
12	14	14	25	15	34	17	14	14	35	19	19	15	14	14	30	21	24	14
13	13	13	13	12	16	36	12	14	16	11	18	20	12	13	18	9	18	28
14	13	19	33	39	32	11	14	18	12	22	21	14	12	19	12	18	22	14
15	59	25	22	41	10	20	17	24	27	36	14	14	20	20	25	32	14	15
16	17	19	39	16	12	14	18	19	42	21	14	17	19	19	46	23	13	18
17	17	15	16	12	13	15	16	13	14	12	20	27	15	13	16	12	20	24
18	13	20	11	13	11	21	10	22	12	15	24	31	14	18	13	15	28	28
19	18	20	15	19	19	34	18	50	20	35	36	28	19	18	20	32	29	23
20	17	18	18	32	34	19	18	16	34	52	31	31	17	19	34	45	28	30
21	15	20	22	28	17	21	19	21	36	26	25	33	19	17	39	30	35	34
22	23	15	20	16	18	19	17	16	21	13	29	16	17	18	26	13	35	18
23	14	18	14	13	19	13	14	21	12	13	19	15	14	19	13	14	20	18
24	14	17	14	10	12	18	16	21	13	11	14	28	17	23	12	11	15	23
25	17	14	11	9	16	35	16	16	11	10	31	27	20	19	10	10	26	32
26	24	17	10	10	38	16	13	17	9	10	25	23	15	17	8	11	29	30
27	14	14	9	11	14	12	16	18	9	13	15	11	16	21	9	14	25	11
28	15	15	10	18	11	12	17	18	12	23	11	15	22	17	14	23	10	13
29	15	14	19	17	12	14	17	14	24	27	15	22	19	14	24	24	13	18
30	13	14	17	23	12	20	15	13	30	32	21	35	14	14	28	31	19	29
31	15	16			17	40	15	16			37	54	16	15			37	46

	PERCENTAGE FREQUENCY																	
	Eastern Sydney						South Western						North Western					
	OCT		NOV		DEC		OCT		NOV		DEC		OCT		NOV		DEC	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW	84	90	90	83	81	81	100	97	70	67	65	58	100	100	67	70	55	58
MED	13	10	10	17	19	19	0	0	30	30	35	39	0	0	33	30	45	42
HIGH	3	0	0	0	0	0	0	3	0	3	0	3	0	0	0	0	0	0

2003 Data

TABLE 9

REGIONAL POLLUTION INDEX (RPI)

Lower Hunter region

RPI

Low 0 – 24

Medium 25 – 49

High > 49

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

	PERCENTAGE FREQUENCY																	
	Newcastle						Wallsend						Beresfield					
	OCT		NOV		DEC		OCT		NOV		DEC		OCT		NOV		DEC	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW	97	100	100	100	90	90	97	100	97	90	94	90	97	100	90	87	84	77
MED	3	0	0	0	10	10	3	0	3	10	6	10	3	0	10	13	16	23
HIGH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

2003 Data

TABLE 9

REGIONAL POLLUTION INDEX (RPI)

Illawarra region

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

D A Y	Albion Park						REGIONS Wollongong					
	OCT		NOV		DEC		OCT		NOV		DEC	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
1	17	13	16	14	14	20	16	14	14	13	19	22
2	14	16	14	13	18	17	16	15	13	11	18	18
3	16	15	14	15	17	11	15	14	11	15	19	15
4	14	17	16	5	15	29	11	16	15	17	24	40
5	16	19	8	8	38	16	17	21	16	31	44	19
6	13	15	13	18	11	12	14	13	36	13	12	11
7	17	16	20	13	11	11	13	17	18	14	11	11
8	16	16	13	16	12	12	18	17	13	15	10	10
9	15	16	16	17	11	12	13	15	15	15	10	12
10	16	15	9	20	11	16	16	13	13	19	12	15
11	15	15	10	20	10	30	13	3	14	20	15	37
12	15	14	18	14	35	18	3	3	21	14	37	16
13	14	14	12	12	20	15	4	3	12	12	20	18
14	14	19	12	17	13	11	30	17	12	17	15	12
15	19	17	15	52	10	10	18	18	18	45	10	12
16	13	19	32	20	9	13	14	16	34	21	10	12
17	17	15	15	12	12	16	14	16	14	12	12	13
18	13	21	12	13	11	16	14	19	11	11	11	16
19	19	22	13	18	14	50	18	22	12	17	19	48
20	19	16	14	23	55	17	18	16	18	18	37	17
21	16	16	23	21	15	16	16	22	20	21	16	17
22	17	15	20	16	16	15	20	13	19	13	18	16
23	16	18	12	12	17	12	12	20	12	11	17	11
24	11	16	13	10	12	20	13	16	11	9	11	17
25	15	14	11	9	16	31	14	13	10	8	17	35
26	12	17	9	10	26	15	12	16	9	8	31	15
27	16	16	9	11	13	11	13	14	8	10	11	10
28	15	17	11	13	11	11	15	18	9	14	10	12
29	17	14	13	17	11	13	17	12	16	14	12	13
30	16	14	14	15	13	14	14	12	14	15	12	13
31	15	17			11	16	12	14			12	19

	Albion Park						PERCENTAGE FREQUENCY Wollongong					
	OCT		NOV		DEC		OCT		NOV		DEC	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW	100	100	97	97	87	87	97	100	93	93	87	87
MED	0	0	3	0	10	10	3	0	7	7	13	13
HIGH	0	0	0	3	3	3	0	0	0	0	0	0

2003 Data