

Quarterly
Air Quality
Monitoring
Report

3
2003

Part A: EPA Data

July – August – September
2003

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**TABLE 1
OZONE (O₃)**

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

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

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	91	95	91
	Average	1.0	1.3	1.8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.3	2.8	3.3
	90-percentile Value	2.9	3.5	3.9
	Maximum 1-hour Value	3.0	4.0	4.4
	Maximum 4-hour Value	2.8	3.8	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)
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	96	96	95
	Average	1.0	1.2	1.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.3	2.7	3.1
	90-percentile Value	2.9	3.3	3.5
	Maximum 1-hour Value	3.1	3.5	4.8
	Maximum 4-hour Value	2.9	3.2	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)
LINDFIELD				
Bradfield Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	92	96
	Average	1.1	1.6	2.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.5	3.0	3.8
	90-percentile Value	3.1	3.7	4.2
	Maximum 1-hour Value	3.1	3.8	5.1
	Maximum 4-hour Value	3.0	3.7	4.6
	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)

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	JUL	AUG	SEP
Central East Sydney region (Cont'd)			
RANDWICK			
Randwick Barracks			
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:		
	% Sampling Time	95	95
	Average	1.1	2.0
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	2.3	3.4
	90-percentile Value	2.9	4.1
	Maximum 1-hour Value	3.3	5.6
	Maximum 4-hour Value	2.9	5.3
	NEPM STANDARD LEVEL:		
	No. Hours Above Level	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:		
	No. Hours Above Goal	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)
ROZELLE			
Rozelle Hospital			
Balmain Rd	ALL HOURS IN MONTH:		
	% Sampling Time	94	93
	Average	1.0	1.8
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	2.3	3.1
	90-percentile Value	2.9	3.6
	Maximum 1-hour Value	3.1	4.0
	Maximum 4-hour Value	3.0	3.8
	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)
WOOLLOOWARE			
Woollooware Rd			
	ALL HOURS IN MONTH:		
	% Sampling Time	91	91
	Average	1.4	2.0
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	2.5	3.2
	90-percentile Value	3.1	3.8
	Maximum 1-hour Value	3.4	5.0
	Maximum 4-hour Value	3.2	4.9
	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)

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	JUL	AUG	SEP
North West Sydney region			
BLACKTOWN			
Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	95	57
Average	1.1	1.5	1.8
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.4	2.8	3.2
90-percentile Value	3.0	3.4	3.9
Maximum 1-hour Value	3.2	3.4	4.5
Maximum 4-hour Value	3.0	3.3	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)
RICHMOND			
University Of Western Sydney			
Vines Rd			
ALL HOURS IN MONTH:			
% Sampling Time	91	96	79
Average	1.2	1.5	1.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.5	2.9	3.0
90-percentile Value	3.2	3.3	3.9
Maximum 1-hour Value	3.3	3.6	5.2
Maximum 4-hour Value	3.1	3.6	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)
ST MARYS			
Mamre Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	95
Average	1.1	1.3	1.5
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.7	2.8	3.1
90-percentile Value	3.2	3.5	3.7
Maximum 1-hour Value	3.4	3.6	5.4
Maximum 4-hour Value	3.2	3.6	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)

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)

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

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

MONITORING SITE		JUL	AUG	SEP
North West Sydney region (Cont'd)				
VINEYARD				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	96	96	94
	Average	1.5	1.9	2.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.9	3.1	3.5
	90-percentile Value	3.4	3.5	4.1
	Maximum 1-hour Value	3.6	3.9	4.8
	Maximum 4-hour Value	3.5	3.8	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)
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	95	95	96
	Average	0.8	1.1	1.4
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.9	2.4	2.8
	90-percentile Value	2.5	2.9	3.3
	Maximum 1-hour Value	2.8	3.2	3.6
	Maximum 4-hour Value	2.7	2.9	3.3
	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)
South West Sydney region				
BARGO				
Silica Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	93	95	95
	Average	1.8	2.2	2.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.0	3.4	3.8
	90-percentile Value	3.3	4.0	4.9
	Maximum 1-hour Value	3.5	4.2	5.8
	Maximum 4-hour Value	3.4	4.0	5.1
	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)

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)

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

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

MONITORING SITE	JUL	AUG	SEP
South West Sydney region (Cont'd)			
BRINGELLY			
Ramsay Rd			
ALL HOURS IN MONTH:			
% Sampling Time	62	95	89
Average	1.5	1.5	2.0
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.7	3.1	3.6
90-percentile Value	3.3	3.6	4.0
Maximum 1-hour Value	3.3	3.8	5.8
Maximum 4-hour Value	3.2	3.7	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)
LIVERPOOL			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	95	96	89
Average	1.1	1.3	1.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.4	2.8	3.2
90-percentile Value	3.1	3.3	3.7
Maximum 1-hour Value	3.2	3.6	5.9
Maximum 4-hour Value	3.1	3.5	5.1
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)
OAKDALE			
Ridge Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	95
Average	2.6	2.8	3.0
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.1	3.4	3.6
90-percentile Value	3.3	3.9	4.3
Maximum 1-hour Value	3.7	4.1	5.1
Maximum 4-hour Value	3.5	3.8	4.7
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)

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)

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

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

MONITORING SITE	JUL	AUG	SEP
Illawarra region			
ALBION PARK Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	91	94
Average	2.0	2.1	2.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.0	3.1	3.5
90-percentile Value	3.3	3.5	3.9
Maximum 1-hour Value	3.7	3.7	4.1
Maximum 4-hour Value	3.5	3.6	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)
KEMBLA GRANGE			
Kembla Grange Racecourse Princes Hwy			
ALL HOURS IN MONTH:			
% Sampling Time	95	88	89
Average	1.8	1.9	2.3
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.9	3.0	3.2
90-percentile Value	3.3	3.5	3.6
Maximum 1-hour Value	3.6	3.6	3.8
Maximum 4-hour Value	3.5	3.5	3.7
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)
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	95
Average	1.7	1.9	2.3
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.8	3.1	3.2
90-percentile Value	3.2	3.4	3.5
Maximum 1-hour Value	3.4	6.9	4.2
Maximum 4-hour Value	3.2	3.4	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)

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)

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

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

MONITORING SITE	JUL	AUG	SEP
<i>Illawarra region (Cont'd)</i>			
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	94	92	95
Average	1.6	1.8	2.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.8	3.1	3.3
90-percentile Value	3.1	3.5	3.7
Maximum 1-hour Value	3.7	6.8	4.6
Maximum 4-hour Value	3.4	5.8	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)
<i>Lower Hunter region</i>			
BERESFIELD			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	96	95	94
Average	1.2	1.4	2.0
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.5	2.9	3.4
90-percentile Value	2.9	3.4	3.9
Maximum 1-hour Value	3.2	3.5	4.9
Maximum 4-hour Value	3.1	3.3	4.7
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)
NEWCASTLE			
Athletics Field			
Smith St			
ALL HOURS IN MONTH:			
% Sampling Time	69	95	95
Average	1.4	1.7	2.4
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.8	3.1	3.8
90-percentile Value	3.3	3.6	4.4
Maximum 1-hour Value	3.4	3.9	5.4
Maximum 4-hour Value	3.3	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)

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)

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

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

MONITORING SITE		JUL	AUG	SEP
Lower Hunter region (Cont'd)				
WALLSEND				
Swimming Pool				
Frances St	ALL HOURS IN MONTH:			
	% Sampling Time	95	96	95
	Average	1.3	1.5	2.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.6	2.9	3.5
	90-percentile Value	3.1	3.3	4.2
	Maximum 1-hour Value	3.2	3.5	5.1
	Maximum 4-hour Value	3.1	3.3	4.6
	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)
Central Tablelands region				
BATHURST				
Wastewater Treatment Plant				
Off Morrisset St	ALL HOURS IN MONTH:			
	% Sampling Time	96	96	94
	Average	1.5	1.8	1.9
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.0	3.2	3.3
	90-percentile Value	3.2	3.7	3.8
	Maximum 1-hour Value	3.7	3.8	4.1
	Maximum 4-hour Value	3.6	3.7	3.8
	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)

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		JUL	AUG	SEP
Central East Sydney region				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	90	95	83
	Average	2.0	1.9	1.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.3	3.3	3.2
	90-percentile Value	3.9	3.9	4.2
	Maximum 1-hour Value	6.6	4.7	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
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	87
	Average	1.7	1.6	1.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.9	2.8	2.9
	90-percentile Value	3.7	3.5	3.9
	Maximum 1-hour Value	4.6	4.5	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
LINDFIELD				
Bradfield Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	92	88	96
	Average	1.4	1.3	1.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.5	2.4	2.3
	90-percentile Value	3.0	3.0	3.3
	Maximum 1-hour Value	4.4	3.9	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

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	JUL	AUG	SEP
Central East Sydney region (Cont'd)			
RANDWICK			
Randwick Barracks			
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:		
	% Sampling Time	94	95
	Average	1.7	1.4
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	3.1	2.9
	90-percentile Value	4.1	3.8
	Maximum 1-hour Value	5.5	4.4
	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
ROZELLE			
Rozelle Hospital			
Balmain Rd	ALL HOURS IN MONTH:		
	% Sampling Time	91	83
	Average	1.9	1.5
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	3.3	2.9
	90-percentile Value	4.2	4.4
	Maximum 1-hour Value	4.7	5.2
	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
SYDNEY			
Grace Bros			
Cnr George & Market Sts	ALL HOURS IN MONTH:		
	% Sampling Time	87	96
	Average	3.3	3.3
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	5.3	5.3
	90-percentile Value	7.1	7.1
	Maximum 1-hour Value	7.6	7.4
	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	JUL	AUG	SEP
Central East Sydney region (Cont'd)			
WOOLOOWARE			
Woollooware Rd			
ALL HOURS IN MONTH:			
% Sampling Time	90	84	94
Average	1.3	1.4	1.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.5	2.5	2.5
90-percentile Value	3.7	3.9	3.6
Maximum 1-hour Value	4.4	5.4	4.2
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
North West Sydney region			
BLACKTOWN			
Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	93	95
Average	1.7	1.6	1.5
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.0	3.0	3.1
90-percentile Value	3.6	3.9	4.8
Maximum 1-hour Value	4.3	4.8	5.1
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0
RICHMOND			
University Of Western Sydney			
Vines Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	96	95
Average	0.8	0.8	0.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.8	2.0	1.7
90-percentile Value	2.5	2.8	2.9
Maximum 1-hour Value	2.9	2.8	3.6
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0

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	JUL	AUG	SEP
North West Sydney region (Cont'd)			
ST MARYS			
Mamre Rd			
ALL HOURS IN MONTH:			
% Sampling Time	94	95	82
Average	0.9	0.9	0.8
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.0	2.2	2.0
90-percentile Value	2.6	3.1	3.1
Maximum 1-hour Value	3.2	3.2	3.8
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0
VINEYARD			
Castle Hill STP			
Bandon Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	95	94
Average	0.9	0.8	0.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.9	2.0	1.6
90-percentile Value	2.7	2.9	2.5
Maximum 1-hour Value	3.3	3.0	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
WESTMEAD			
Westmead Hospital			
Hainsworth St			
ALL HOURS IN MONTH:			
% Sampling Time	94	95	96
Average	1.6	1.4	1.4
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.9	2.8	2.8
90-percentile Value	3.8	3.3	4.1
Maximum 1-hour Value	6.7	4.9	5.6
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	JUL	AUG	SEP
South West Sydney region			
BARGO			
Silica Rd			
ALL HOURS IN MONTH:			
% Sampling Time	94	95	94
Average	0.8	0.8	0.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.0	2.1	1.7
90-percentile Value	2.8	3.3	3.2
Maximum 1-hour Value	3.1	3.6	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
BRINGELLY			
Ramsay Rd			
ALL HOURS IN MONTH:			
% Sampling Time	92	92	67
Average	0.7	0.7	0.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.5	1.6	1.6
90-percentile Value	1.9	2.7	2.1
Maximum 1-hour Value	3.6	3.2	2.7
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
CAMDEN			
Camden Airport			
Aerodrome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	87	68	96
Average	0.7	0.8	0.5
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.5	1.8	1.3
90-percentile Value	2.4	3.1	1.9
Maximum 1-hour Value	3.1	3.3	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

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	JUL	AUG	SEP
South West Sydney region (Cont'd)			
LIVERPOOL			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	94	96	89
Average	1.5	1.4	1.3
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.7	2.8	2.8
90-percentile Value	3.4	3.5	4.1
Maximum 1-hour Value	5.5	4.8	4.2
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
OAKDALE			
Ridge Rd			
ALL HOURS IN MONTH:			
% Sampling Time	92	94	95
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.4	0.6	0.3
90-percentile Value	1.0	2.0	0.9
Maximum 1-hour Value	2.1	2.4	1.6
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
Illawarra region			
ALBION PARK			
Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	94	90	77
Average	0.6	0.7	0.4
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.5	1.8	1.3
90-percentile Value	2.6	3.4	3.0
Maximum 1-hour Value	3.5	4.8	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		JUL	AUG	SEP
Illawarra region (Cont'd)				
KEMBLA GRANGE				
Kembla Grange Racecourse				
Princes Hwy	ALL HOURS IN MONTH:			
	% Sampling Time	95	88	95
	Average	0.7	0.9	0.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.7	2.0	1.5
	90-percentile Value	2.5	3.3	2.4
	Maximum 1-hour Value	3.2	4.6	4.2
	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
WARRAWONG				
Carlotta Cres				
	ALL HOURS IN MONTH:			
	% Sampling Time	94	95	95
	Average	1.0	1.0	0.8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.2	2.3	2.2
	90-percentile Value	2.9	3.4	3.6
	Maximum 1-hour Value	3.2	3.9	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
WOLLONGONG				
Gipps St				
	ALL HOURS IN MONTH:			
	% Sampling Time	87	92	95
	Average	1.2	1.3	1.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.5	2.8	2.4
	90-percentile Value	3.2	3.6	3.4
	Maximum 1-hour Value	3.5	4.3	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

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		JUL	AUG	SEP
Lower Hunter region				
BERESFIELD				
Francis Greenway				
High School				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	94
	Average	1.1	1.1	0.9
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.2	2.2	2.2
	90-percentile Value	2.7	2.7	3.2
	Maximum 1-hour Value	3.2	2.9	4.0
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
NEWCASTLE				
Athletics Field				
Smith St				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	94
	Average	1.3	1.3	1.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.4	2.4	2.6
	90-percentile Value	3.0	3.1	3.5
	Maximum 1-hour Value	3.1	3.4	3.9
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
WALLSEND				
Swimming Pool				
Frances St				
	ALL HOURS IN MONTH:			
	% Sampling Time	94	96	95
	Average	1.0	1.1	0.9
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.1	2.3	2.3
	90-percentile Value	2.8	3.0	3.2
	Maximum 1-hour Value	2.9	3.2	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

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		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	90	90	95	95	83	83
	Average	7.2	5.2	5.2	3.3	3.3	1.7
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	19.6	16.9	15.3	12.7	10.9	8.2
	90-percentile Value	31.9	28.4	29.5	26.5	21.5	18.5
	Maximum 1-hour Value	38.7	35.0	33.0	29.6	28.8	25.7
EARLWOOD							
Beaman Park							
Riverview Rd	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	95	95	87	87
	Average	9.1	7.3	5.6	3.8	3.6	1.9
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	25.8	23.3	17.0	14.4	10.6	7.9
	90-percentile Value	40.2	37.8	29.9	26.9	20.4	17.9
	Maximum 1-hour Value	48.8	46.2	41.5	38.4	23.3	20.5
LINDFIELD							
Bradfield Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	92	92	88	88	96	96
	Average	3.2	1.9	2.4	1.2	1.4	0.4
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	9.6	7.6	7.4	5.4	4.3	2.4
	90-percentile Value	18.1	15.7	13.3	11.0	7.4	5.1
	Maximum 1-hour Value	24.3	21.4	14.7	12.0	10.1	7.7
RANDWICK							
Randwick Barracks							
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	95	95	95	95
	Average	4.6	2.9	3.2	1.6	2.2	0.9
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	14.6	11.9	9.9	7.3	7.3	4.7
	90-percentile Value	23.8	21.1	17.8	14.3	12.5	9.2
	Maximum 1-hour Value	33.3	29.7	19.5	16.7	20.1	16.4
ROZELLE							
Rozelle Hospital							
Balmain Rd	ALL HOURS IN MONTH:						
	% Sampling Time	91	91	95	95	83	83
	Average	5.0	3.2	3.4	1.7	2.4	0.9
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	14.7	11.9	9.8	7.1	6.3	3.7
	90-percentile Value	25.9	22.7	18.0	15.3	13.9	10.7
	Maximum 1-hour Value	29.5	25.9	22.7	19.1	15.8	12.0

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		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	87	87	95	95	96	96
	Average	17.7	14.5	15.4	12.2	14.2	11.0
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	37.6	32.7	33.1	28.4	30.4	25.9
	90-percentile Value	55.0	48.3	47.6	40.9	44.3	38.5
	Maximum 1-hour Value	57.2	50.8	65.5	57.1	50.6	44.8
WOOLLOOWARE							
Woollooware Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	90	90	84	84	94	94
	Average	3.9	2.6	2.9	1.6	1.9	0.8
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	12.0	10.1	8.2	6.1	6.1	3.9
	90-percentile Value	25.2	23.3	13.5	10.9	10.3	7.3
	Maximum 1-hour Value	31.8	29.8	17.2	14.5	11.8	9.6
North West Sydney region							
BLACKTOWN							
Flushcombe Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	93	93	95	95
	Average	4.6	3.0	3.3	1.8	2.4	1.0
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	13.2	11.0	10.1	7.7	7.9	5.4
	90-percentile Value	22.7	20.0	19.3	16.4	17.0	13.4
	Maximum 1-hour Value	27.6	25.7	22.6	19.2	19.8	17.0
RICHMOND							
University Of Western Sydney							
Vines Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	96	96	95	95
	Average	1.9	1.2	1.4	0.6	0.9	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	5.1	3.9	3.9	2.6	2.7	1.4
	90-percentile Value	7.8	6.7	6.2	4.8	5.1	3.2
	Maximum 1-hour Value	10.3	9.1	8.3	7.5	9.1	6.6
ST MARYS							
Mamre Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	95	95	82	82
	Average	3.3	2.4	2.3	1.4	1.5	0.7
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	11.4	10.1	8.9	7.4	5.5	4.1
	90-percentile Value	26.2	24.4	16.6	15.0	10.6	8.6
	Maximum 1-hour Value	32.5	31.0	28.4	26.3	14.7	12.6

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		JUL		AUG		SEP	
		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	95	95	94	94
	Average	1.7	0.8	1.2	0.5	0.9	0.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	4.4	3.2	3.6	2.1	2.7	1.4
	90-percentile Value	7.8	6.4	6.6	4.9	5.2	3.7
	Maximum 1-hour Value	8.5	7.6	7.1	6.2	6.5	4.2
WESTMEAD							
Westmead Hospital							
Hainsworth St	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	95	95	96	96
	Average	6.8	5.3	4.5	3.1	3.0	1.6
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	19.5	17.3	15.5	13.3	11.3	8.9
	90-percentile Value	28.9	26.2	26.8	24.8	19.4	16.7
	Maximum 1-hour Value	40.3	37.5	30.9	28.2	20.9	18.2
South West Sydney region							
BARGO							
Silica Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	95	95	94	94
	Average	1.9	1.1	1.7	0.9	0.9	0.4
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	8.2	6.4	6.7	4.8	4.8	3.2
	90-percentile Value	16.4	13.8	15.6	12.6	11.4	8.5
	Maximum 1-hour Value	21.5	19.2	20.8	18.2	18.2	15.1
BRINGELLY							
Ramsay Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	92	92	92	92	67	67
	Average	2.0	1.4	1.6	0.9	0.9	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	4.9	4.2	3.7	2.7	2.5	1.4
	90-percentile Value	7.2	6.4	5.9	4.8	4.4	3.0
	Maximum 1-hour Value	19.4	18.5	6.9	5.7	5.1	4.0
CAMDEN							
Camden Airport							
Aerodrome Rd	ALL HOURS IN MONTH:						
	% Sampling Time	87	87	68	68	96	96
	Average	1.6	0.9	1.5	0.7	0.7	0.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	4.1	3.0	3.7	2.4	2.3	1.3
	90-percentile Value	7.1	6.1	7.6	5.9	4.4	3.3
	Maximum 1-hour Value	14.8	12.2	7.9	6.4	6.2	4.7

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	JUL		AUG		SEP		
	NO _x	NO	NO _x	NO	NO _x	NO	
South West Sydney region (Cont'd)							
LIVERPOOL							
Rose St							
	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	96	96	89	89
	Average	7.5	6.0	5.5	4.0	3.4	2.1
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	24.1	21.7	18.4	15.9	13.5	11.0
	90-percentile Value	40.5	37.9	33.9	31.0	24.5	21.4
	Maximum 1-hour Value	61.8	58.0	44.5	41.2	35.8	32.5
OAKDALE							
Ridge Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	92	92	94	94	95	95
	Average	0.1	0.0	0.1	0.0	0.1	0.0
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	0.4	0.1	0.5	0.1	0.3	0.1
	90-percentile Value	1.1	0.3	1.8	0.2	0.8	0.2
	Maximum 1-hour Value	2.0	0.9	2.4	0.6	1.4	0.2
Illawarra region							
ALBION PARK							
Croome Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	90	90	77	77
	Average	0.9	0.3	1.0	0.3	0.5	0.1
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	3.0	1.7	3.2	1.6	1.8	0.6
	90-percentile Value	7.5	5.7	7.0	4.6	4.1	1.9
	Maximum 1-hour Value	12.5	10.4	8.8	7.1	6.5	4.1
KEMBLA GRANGE							
Kembla Grange Racecourse							
Princes Hwy							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	88	88	95	95
	Average	1.4	0.7	1.5	0.7	0.7	0.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	5.1	3.7	5.2	3.7	2.4	1.1
	90-percentile Value	13.0	11.3	10.8	9.0	4.1	2.7
	Maximum 1-hour Value	22.2	20.0	15.2	12.8	6.8	5.3
WARRAWONG							
Carlotta Cres							
	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	95	95	95	95
	Average	1.7	0.7	1.7	0.7	1.1	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	5.2	3.3	5.1	3.1	3.9	1.9
	90-percentile Value	8.9	6.9	9.8	7.4	8.2	5.1
	Maximum 1-hour Value	12.7	10.6	11.7	9.2	11.6	8.5

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	JUL		AUG		SEP		
	NO _x	NO	NO _x	NO	NO _x	NO	
Illawarra region (Cont'd)							
WOLLONGONG							
Gipps St							
	ALL HOURS IN MONTH:						
	% Sampling Time	87	87	92	92	95	95
	Average	3.0	1.8	2.9	1.6	1.6	0.7
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	12.0	9.9	10.3	8.0	6.0	3.9
	90-percentile Value	27.7	25.9	19.4	16.8	11.8	9.5
	Maximum 1-hour Value	36.7	34.7	23.4	20.3	13.3	10.6
Lower Hunter region							
BERESFIELD							
Francis Greenway							
High School							
	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	95	95	94	94
	Average	2.5	1.5	2.4	1.3	1.6	0.7
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	8.3	6.5	8.1	6.1	6.0	4.1
	90-percentile Value	14.1	12.3	17.0	14.7	12.1	9.9
	Maximum 1-hour Value	18.9	16.8	23.8	21.1	14.9	12.3
NEWCASTLE							
Athletics Field							
Smith St							
	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	95	95	94	94
	Average	3.0	1.8	2.8	1.6	1.6	0.6
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	9.9	7.8	8.1	6.0	5.7	3.3
	90-percentile Value	18.6	16.2	15.6	13.0	11.7	8.2
	Maximum 1-hour Value	22.0	19.4	20.1	17.3	14.4	11.4
WALLSEND							
Swimming Pool							
Frances St							
	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	96	96	95	95
	Average	2.7	1.7	2.3	1.2	1.4	0.6
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	8.8	7.2	6.9	5.2	5.0	3.3
	90-percentile Value	14.7	12.8	12.1	10.5	10.4	7.8
	Maximum 1-hour Value	20.2	17.8	20.3	18.6	11.9	9.4

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		JUL	AUG	SEP
Central East Sydney region				
CHULLORA				
Southern Sydney TAFE				
Worth St				
	% Sampling Time	98	99	94
	Monthly Average	0.4	0.3	0.3
	90-percentile Value	0.8	0.7	0.6
	Maximum 24-hour Average	1.0	0.7	1.1
	Maximum 1-hour Value	2.2	1.7	3.9
EARLWOOD				
Beaman Park				
Riverview Rd				
	% Sampling Time	99	99	99
	Monthly Average	0.3	0.2	0.3
	90-percentile Value	0.9	0.5	0.6
	Maximum 24-hour Average	1.3	0.5	1.0
	Maximum 1-hour Value	2.2	0.9	2.6
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts				
	% Sampling Time	99	99	99
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.5	0.5	0.5
	Maximum 24-hour Average	0.5	0.6	0.8
	Maximum 1-hour Value	1.6	2.6	2.8
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	% Sampling Time	99	99	89
	Monthly Average	0.3	0.3	0.3
	90-percentile Value	0.7	0.6	0.6
	Maximum 24-hour Average	0.8	1.4	1.1
	Maximum 1-hour Value	2.0	7.6	3.4
WOOLOOWARE				
Woolooware Rd				
	% Sampling Time	94	98	98
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.5	0.5	0.5
	Maximum 24-hour Average	0.7	0.5	0.9
	Maximum 1-hour Value	2.0	0.9	2.2

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				
BLACKTOWN				
Flushcombe Rd				
	% Sampling Time	99	98	99
	Monthly Average	0.4	0.3	0.3
	90-percentile Value	0.9	0.7	0.6
	Maximum 24-hour Average	0.9	0.8	1.2
	Maximum 1-hour Value	1.8	2.7	4.4
RICHMOND				
University Of Western Sydney				
Vines Rd				
	% Sampling Time	99	99	98
	Monthly Average	0.4	0.3	0.3
	90-percentile Value	0.8	0.7	0.6
	Maximum 24-hour Average	0.8	1.1	1.5
	Maximum 1-hour Value	1.7	2.2	4.6
ST MARYS				
Mamre Rd				
	% Sampling Time	98	88	98
	Monthly Average	0.3	0.2	0.2
	90-percentile Value	0.6	0.4	0.5
	Maximum 24-hour Average	0.9	1.0	0.6
	Maximum 1-hour Value	1.7	2.1	1.2
WESTMEAD				
Westmead Hospital				
Hainsworth St				
	% Sampling Time	42	99	99
	Monthly Average	0.1	0.2	0.3
	90-percentile Value	0.3	0.6	0.6
	Maximum 24-hour Average	0.3	1.5	1.4
	Maximum 1-hour Value	0.5	5.2	5.9
South West Sydney region				
BARGO				
Silica Rd				
	% Sampling Time	98	99	99
	Monthly Average	0.2	0.3	0.3
	90-percentile Value	0.5	0.6	0.5
	Maximum 24-hour Average	0.8	1.2	1.9
	Maximum 1-hour Value	2.4	5.1	9.0

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)				
BRINGELLY				
Ramsay Rd				
	% Sampling Time	95	96	90
	Monthly Average	0.4	0.2	0.2
	90-percentile Value	0.9	0.6	0.4
	Maximum 24-hour Average	1.2	0.7	0.5
	Maximum 1-hour Value	2.0	1.2	1.1
LIVERPOOL				
Rose St				
	% Sampling Time	99	99	92
	Monthly Average	0.4	0.2	0.3
	90-percentile Value	1.0	0.5	0.6
	Maximum 24-hour Average	1.5	0.6	0.6
	Maximum 1-hour Value	4.0	1.1	1.6
OAKDALE				
Ridge Rd				
	% Sampling Time	77	98	99
	Monthly Average	0.1	0.2	0.2
	90-percentile Value	0.2	0.3	0.3
	Maximum 24-hour Average	0.3	0.6	0.4
	Maximum 1-hour Value	0.8	2.0	1.3
Illawarra region				
ALBION PARK				
Croome Rd				
	% Sampling Time	98	95	97
	Monthly Average	0.1	0.2	0.2
	90-percentile Value	0.2	0.3	0.4
	Maximum 24-hour Average	0.3	0.4	0.5
	Maximum 1-hour Value	0.6	1.3	1.0
KEMBLA GRANGE				
Kembla Grange Racecourse				
Princes Hwy				
	% Sampling Time	99	92	98
	Monthly Average	0.1	0.2	0.2
	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	0.7	0.8

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
Illawarra region (Cont'd)				
WOLLONGONG				
Gipps St				
	% Sampling Time	97	89	99
	Monthly Average	0.1	0.2	0.2
	90-percentile Value	0.3	0.3	0.4
	Maximum 24-hour Average	0.2	0.4	0.4
	Maximum 1-hour Value	2.8	0.8	0.7
Lower Hunter region				
BERESFIELD				
Francis Greenway				
High School				
	% Sampling Time	99	99	98
	Monthly Average	0.2	0.3	0.2
	90-percentile Value	0.4	0.6	0.5
	Maximum 24-hour Average	0.4	0.6	0.5
	Maximum 1-hour Value	1.5	1.9	1.6
NEWCASTLE				
Athletics Field				
Smith St				
	% Sampling Time	99	89	38
	Monthly Average	0.2	0.3	0.3
	90-percentile Value	0.5	0.5	0.6
	Maximum 24-hour Average	0.5	0.5	0.5
	Maximum 1-hour Value	2.1	1.4	1.1
WALLSEND				
Swimming Pool				
Frances St				
	% Sampling Time	74	99	99
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.6	0.6	0.5
	Maximum 24-hour Average	0.5	0.5	0.5
	Maximum 1-hour Value	2.1	1.3	1.3
Central Tablelands region				
BATHURST				
Wastewater Treatment Plant				
Off Morrisset St				
	% Sampling Time	100	100	99
	Monthly Average	0.3	0.3	0.2
	90-percentile Value	0.7	0.7	0.4
	Maximum 24-hour Average	0.6	0.5	0.4
	Maximum 1-hour Value	1.7	1.7	0.9

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	6	5	5
	Monthly Average	35	49	81
	Highest Value	62	67	107
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	Number of Samples	6	5	4
	Monthly Average	29	30	47
	Highest Value	57	37	62
SYDNEY				
Grace Bros				
Cnr George & Market Sts				
	Number of Samples	6	5	5
	Monthly Average	45	59	76
	Highest Value	64	74	118
Illawarra region				
PORT KEMBLA				
Cnr Church & Kembla Sts				
	Number of Samples	6	5	5
	Monthly Average	32	53	48
	Highest Value	61	91	84
PORT KEMBLA				
Cnr Blaxland Ave				
& Flagstaff Rd				
	Number of Samples	6	5	5
	Monthly Average	25	49	48
	Highest Value	48	76	83
PORT KEMBLA				
Fire Station				
Military Road				
	Number of Samples	6	5	5
	Monthly Average	50	62	53
	Highest Value	91	84	82
WARRAWONG				
Carlotta Cres				
	Number of Samples	5	4	4
	Monthly Average	30	41	36
	Highest Value	52	61	71

*** 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		JUL	AUG	SEP
Central East Sydney region				
EARLWOOD				
Beaman Park				
Riverview Rd				
	Number of Samples	5	5	5
	Monthly Average	18	19	30
	Highest Value	30	23	40
LINDFIELD				
Bradfield Rd				
	Number of Samples	6	5	4
	Monthly Average	14	11	20
	Highest Value	21	16	31
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	Number of Samples	6	5	5
	Monthly Average	18	14	27
	Highest Value	38	19	40
SYDNEY				
Grace Bros				
Cnr George & Market Sts				
	Number of Samples	6	5	5
	Monthly Average	22	23	35
	Highest Value	33	31	57
North West Sydney region				
BLACKTOWN				
Flushcombe Rd				
	Number of Samples	6	4	1
	Monthly Average	18	15	7
	Highest Value	40	19	7
RICHMOND				
University Of Western Sydney				
Vines Rd				
	Number of Samples	6	5	5
	Monthly Average	10	13	18
	Highest Value	20	18	27
Illawarra region				
ALBION PARK				
Croome Rd				
	Number of Samples	6	3	3
	Monthly Average	6	12	15
	Highest Value	10	21	31
KEMBLA GRANGE				
Kembla Grange Racecourse				
Princes Hwy				
	Number of Samples	6	5	5
	Monthly Average	11	16	17
	Highest Value	17	23	32

*** 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		JUL	AUG	SEP
Illawarra region (Cont'd)				
WARRAWONG				
Carlotta Cres				
	Number of Samples	6	5	5
	Monthly Average	12	16	19
	Highest Value	21	27	33
WOLLONGONG				
Gipps St				
	Number of Samples	6	5	5
	Monthly Average	9	13	17
	Highest Value	13	24	28
Lower Hunter region				
BERESFIELD				
Francis Greenway				
High School				
	Number of Samples	6	5	5
	Monthly Average	18	19	26
	Highest Value	29	35	41
NEWCASTLE				
Athletics Field				
Smith St				
	Number of Samples	6	4	4
	Monthly Average	15	18	27
	Highest Value	19	26	40
WALLSEND				
Swimming Pool				
Frances St				
	Number of Samples	5	5	5
	Monthly Average	13	17	21
	Highest Value	18	21	32

*** 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		JUL	AUG	SEP
Central East Sydney region				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	99	100	93
	Average	23	24	29
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	51	60	81
	90-percentile Value	99	105	120
	Maximum 1-hour Value	114	153	446
	Maximum 24-hour Value	56	49	60
	NEPM STANDARD LEVEL:			
	No. Days Above Level	1	0	4
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	100	100	99
	Average	20	21	29
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	48	46	71
	90-percentile Value	76	72	110
	Maximum 1-hour Value	94	100	226
	Maximum 24-hour Value	46	34	54
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	1
LINDFIELD				
Bradfield Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	99	96	99
	Average	12	14	19
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	29	28	61
	90-percentile Value	40	42	97
	Maximum 1-hour Value	96	67	219
	Maximum 24-hour Value	19	24	49
	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	14	16	21
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	36	35	43
	90-percentile Value	53	50	76
	Maximum 1-hour Value	138	61	82
	Maximum 24-hour Value	26	28	42
	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/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)			
WOOLOOWARE			
Woollooware Rd			
ALL HOURS IN MONTH:			
% Sampling Time	94	99	95
Average	14	14	20
DAILY 1-HOUR MAXIMA:			
Monthly Average	30	27	37
90-percentile Value	48	39	66
Maximum 1-hour Value	70	55	104
Maximum 24-hour Value	29	25	40
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
North West Sydney region			
BLACKTOWN			
Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	100	92	99
Average	17	18	23
DAILY 1-HOUR MAXIMA:			
Monthly Average	35	36	52
90-percentile Value	51	60	99
Maximum 1-hour Value	96	65	134
Maximum 24-hour Value	35	31	49
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
RICHMOND			
University Of Western Sydney			
Vines Rd			
ALL HOURS IN MONTH:			
% Sampling Time	99	100	99
Average	14	15	19
DAILY 1-HOUR MAXIMA:			
Monthly Average	31	30	43
90-percentile Value	50	43	64
Maximum 1-hour Value	62	54	118
Maximum 24-hour Value	25	29	56
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	1
ST MARYS			
Mamre Rd			
ALL HOURS IN MONTH:			
% Sampling Time	98	63	83
Average	13	15	18
DAILY 1-HOUR MAXIMA:			
Monthly Average	30	37	47
90-percentile Value	48	61	79
Maximum 1-hour Value	54	73	95
Maximum 24-hour Value	32	31	42
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0

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	100	99	97
	Average	14	16	20
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	31	33	42
	90-percentile Value	57	54	85
	Maximum 1-hour Value	61	59	112
	Maximum 24-hour Value	28	29	49
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	97	99	99
	Average	18	18	23
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	42	44	54
	90-percentile Value	68	70	96
	Maximum 1-hour Value	84	104	171
	Maximum 24-hour Value	42	35	58
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	1
South West Sydney region				
BRINGELLY				
Ramsay Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	100	99	95
	Average	15	16	17
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	33	37	46
	90-percentile Value	48	52	75
	Maximum 1-hour Value	76	82	165
	Maximum 24-hour Value	41	30	49
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
CAMPBELLTOWN				
Kanbyugal Reserve				
Cronulla Cres.	ALL HOURS IN MONTH:			
	% Sampling Time	99	100	96
	Average	11	13	19
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	29	32	48
	90-percentile Value	48	48	70
	Maximum 1-hour Value	66	59	186
	Maximum 24-hour Value	25	26	39
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0

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	88	74	87
Average	21	20	25
DAILY 1-HOUR MAXIMA:			
Monthly Average	46	41	55
90-percentile Value	71	64	81
Maximum 1-hour Value	122	83	154
Maximum 24-hour Value	63	34	43
NEPM STANDARD LEVEL:			
No. Days Above Level	1	0	0
Illawarra region			
ALBION PARK			
Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	100	95	96
Average	10	14	14
DAILY 1-HOUR MAXIMA:			
Monthly Average	25	50	37
90-percentile Value	43	100	65
Maximum 1-hour Value	48	283	136
Maximum 24-hour Value	18	28	43
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	100	99	100
Average	14	17	20
DAILY 1-HOUR MAXIMA:			
Monthly Average	39	43	49
90-percentile Value	68	73	76
Maximum 1-hour Value	81	120	115
Maximum 24-hour Value	18	28	43
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	100	97	99
Average	11	14	18
DAILY 1-HOUR MAXIMA:			
Monthly Average	27	34	39
90-percentile Value	41	56	72
Maximum 1-hour Value	71	59	80
Maximum 24-hour Value	18	26	38
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0

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
Lower Hunter region				
BERESFIELD				
Francis Greenway				
High School	ALL HOURS IN MONTH:			
	% Sampling Time	100	100	97
	Average	17	20	25
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	39	42	51
	90-percentile Value	69	73	89
	Maximum 1-hour Value	75	128	113
	Maximum 24-hour Value	27	35	51
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	1
WALLSEND				
Swimming Pool				
Frances St	ALL HOURS IN MONTH:			
	% Sampling Time	75	99	98
	Average	13	18	21
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	29	35	60
	90-percentile Value	42	62	69
	Maximum 1-hour Value	56	83	582
	Maximum 24-hour Value	19	31	44
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
Central Tablelands region				
BATHURST				
Wastewater Treatment Plant				
Off Morrisset St	ALL HOURS IN MONTH:			
	% Sampling Time	100	99	98
	Average	11	11	15
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	22	24	31
	90-percentile Value	33	38	46
	Maximum 1-hour Value	38	44	79
	Maximum 24-hour Value	16	17	37
	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	100	88	90
	Average	12	10	11
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	26	23	22
	90-percentile Value	37	39	34
	Maximum 1-hour Value	39	51	49
	Maximum 24-hour Value	16	21	19
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0

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 Slopes region (Cont'd)			
WAGGA WAGGA			
Cnr Morgan & Murray Sts			
ALL HOURS IN MONTH:			
% Sampling Time	97	100	96
Average	21	16	15
DAILY 1-HOUR MAXIMA:			
Monthly Average	74	44	35
90-percentile Value	83	67	59
Maximum 1-hour Value	840	81	106
Maximum 24-hour Value	92	29	29
NEPM STANDARD LEVEL:			
No. Days Above Level	1	0	0
North West Slopes region			
TAMWORTH			
Hyman Park			
Off Robert Rd			
ALL HOURS IN MONTH:			
% Sampling Time	100	100	97
Average	13	14	21
DAILY 1-HOUR MAXIMA:			
Monthly Average	42	39	44
90-percentile Value	61	62	63
Maximum 1-hour Value	66	63	69
Maximum 24-hour Value	18	26	37
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0

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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	95	56	***
	Average	12	13	***
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	26	23	***
	90-percentile Value	43	38	***
	Maximum 1-hour Value	49	42	***
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	100	99	99
	Average	13	11	12
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	32	23	25
	90-percentile Value	55	37	39
	Maximum 1-hour Value	61	55	71
WOOLOOWARE				
Woolooware Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	***	98	87
	Average	***	9	4
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	***	17	12
	90-percentile Value	***	24	29
	Maximum 1-hour Value	***	26	36
North West Sydney region				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	99	100	99
	Average	10	9	10
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	20	19	22
	90-percentile Value	36	32	34
	Maximum 1-hour Value	45	42	98
North West Sydney region (Cont'd)				
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	99	100	99
	Average	13	11	13
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	28	29	34
	90-percentile Value	43	53	69
	Maximum 1-hour Value	48	87	133

*** Data not available

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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	96	99	35
Average	14	13	18
DAILY 1-HOUR MAXIMA:			
Monthly Average	34	29	37
90-percentile Value	55	47	60
Maximum 1-hour Value	95	49	63
Illawarra region			
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	95	98	100
Average	9	11	12
DAILY 1-HOUR MAXIMA:			
Monthly Average	20	25	25
90-percentile Value	31	38	41
Maximum 1-hour Value	44	94	50
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	98	95	98
Average	7	8	10
DAILY 1-HOUR MAXIMA:			
Monthly Average	18	19	22
90-percentile Value	25	27	37
Maximum 1-hour Value	61	30	41
Lower Hunter region			
BERESFIELD			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	100	99	80
Average	8	9	11
DAILY 1-HOUR MAXIMA:			
Monthly Average	18	21	23
90-percentile Value	27	27	42
Maximum 1-hour Value	35	37	49
WALLSEND			
Swimming Pool			
Frances St			
ALL HOURS IN MONTH:			
% Sampling Time	86	99	83
Average	9	10	12
DAILY 1-HOUR MAXIMA:			
Monthly Average	22	20	27
90-percentile Value	33	28	38
Maximum 1-hour Value	39	35	191

*** 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	JUL	AUG	SEP
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	0.7	0.7	0.3
90-percentile Value	1.7	1.4	0.6
Maximum 1-hour Value	2.2	2.8	1.1
Maximum 24-hour Value	0.4	0.6	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	95	95	95
Average	0.2	0.2	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.6	0.8	0.6
90-percentile Value	1.1	1.9	1.1
Maximum 1-hour Value	1.5	2.5	3.5
Maximum 24-hour Value	0.3	0.7	0.3
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
WOOLOOWARE Woolooware Rd			
ALL HOURS IN MONTH:			
% Sampling Time	90	91	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	0.9	0.7
Maximum 1-hour Value	1.0	2.2	2.2
Maximum 24-hour Value	0.2	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	96	95	95
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.3	0.4	0.3
90-percentile Value	0.5	0.8	0.6
Maximum 1-hour Value	1.2	1.4	1.0
Maximum 24-hour Value	0.2	0.3	0.3
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

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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)				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	96	96	94
	Average	0.0	0.0	0.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.2	0.1	0.2
	90-percentile Value	0.5	0.4	0.5
	Maximum 1-hour Value	1.2	0.9	0.6
	Maximum 24-hour Value	0.2	0.2	0.2
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
VINEYARD				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	94
	Average	0.1	0.0	0.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.5	0.5	0.4
	Maximum 1-hour Value	1.4	1.1	0.6
	Maximum 24-hour Value	0.2	0.2	0.1
	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	94	95	63
	Average	0.1	0.1	0.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.2	0.2	0.1
	90-percentile Value	0.5	0.4	0.3
	Maximum 1-hour Value	1.0	0.5	0.3
	Maximum 24-hour Value	0.2	0.2	0.1
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
BRINGELLY				
Ramsay Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	91	84
	Average	0.0	0.0	0.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.2	0.1	0.1
	90-percentile Value	0.4	0.3	0.2
	Maximum 1-hour Value	0.8	0.3	0.3
	Maximum 24-hour Value	0.1	0.1	0.1
	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

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
Illawarra region			
ALBION PARK			
Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	94	91	94
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.3	0.4	0.3
90-percentile Value	0.9	1.2	1.5
Maximum 1-hour Value	1.2	2.3	2.4
Maximum 24-hour Value	0.4	0.5	0.5
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	95
Average	0.1	0.2	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.7	0.9	1.2
90-percentile Value	2.0	1.8	4.1
Maximum 1-hour Value	4.2	5.8	6.3
Maximum 24-hour Value	0.9	1.2	1.2
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	94	92	95
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.4	0.4	0.4
90-percentile Value	0.7	0.9	1.0
Maximum 1-hour Value	1.2	1.3	2.3
Maximum 24-hour Value	0.4	0.3	0.3
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	96	95	94
Average	0.2	0.2	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.9	0.8	0.8
90-percentile Value	1.6	1.7	1.2
Maximum 1-hour Value	2.9	2.3	2.4
Maximum 24-hour Value	0.6	0.5	0.7
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

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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>Lower Hunter region (Cont'd)</i>				
WALLSEND				
Swimming Pool				
Frances St	ALL HOURS IN MONTH:			
	% Sampling Time	94	96	92
	Average	0.3	0.3	0.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.2	1.1	0.7
	90-percentile Value	2.0	2.1	1.2
	Maximum 1-hour Value	3.7	2.7	2.9
	Maximum 24-hour Value	0.9	1.1	0.9
	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

**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	65	83	84
	Average	0.3	0.2	0.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.3	0.9	0.6
	90-percentile Value	2.6	1.9	1.4
	Maximum 1-hour Value	2.7	2.9	1.6
	Maximum 8-hour Value	1.8	1.8	1.0
	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	77	94	90
	Average	0.4	0.3	0.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.4	1.0	0.7
	90-percentile Value	2.5	1.8	1.3
	Maximum 1-hour Value	2.8	2.4	1.5
	Maximum 8-hour Value	2.2	1.8	1.1
	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	95	95	96
	Average	1.5	1.3	1.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.9	3.3	3.4
	90-percentile Value	6.1	4.7	4.9
	Maximum 1-hour Value	6.7	6.1	6.7
	Maximum 8-hour Value	4.7	3.7	3.9
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	0
	No. Days Above Level	0	0	0
North West Sydney region				
BLACKTOWN				
Flushcombe Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	85	92	95
	Average	0.3	0.2	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.4	1.1	0.7
	90-percentile Value	2.6	2.1	1.8
	Maximum 1-hour Value	3.0	2.4	2.2
	Maximum 8-hour Value	2.5	1.7	1.6
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	0
	No. Days Above Level	0	0	0

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**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	92
	Average	0.2	0.0	0.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.8	0.4	0.1
	90-percentile Value	1.6	0.9	0.5
	Maximum 1-hour Value	2.1	1.3	0.8
	Maximum 8-hour Value	1.4	0.7	0.4
	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	55	96	89
	Average	0.9	0.6	0.4
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.8	1.8	1.3
	90-percentile Value	4.1	3.0	2.4
	Maximum 1-hour Value	6.2	3.9	3.1
	Maximum 8-hour Value	5.5	2.2	2.2
	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	94	71	95
	Average	0.4	0.4	0.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.1	1.1	0.7
	90-percentile Value	2.2	2.1	1.2
	Maximum 1-hour Value	2.6	2.8	1.6
	Maximum 8-hour Value	1.5	2.0	0.7
	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	78	48
	Average	0.4	0.3	0.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.2	1.1	0.6
	90-percentile Value	2.4	2.3	0.9
	Maximum 1-hour Value	2.7	2.6	1.2
	Maximum 8-hour Value	2.1	1.9	0.8
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	0
	No. Days Above Level	0	0	0

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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	6	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	6	5	4
	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	5
	Monthly Average	<0.1 *	<0.1 *	0.1 *
	Highest Value	<0.1	<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	0.3	0.1	0.1
WARRAWONG				
Carlotta Cres				
	Number of Samples	5	4	4
	Monthly Average	<0.1 *	<0.1 *	<0.1 *
	Highest Value	<0.1	<0.1	<0.1

*** Data not available

* 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		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

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					
	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	14	13	13	14	15	14	29	14	15	16	15	15	16	13	21	17	15	14
2	14	13	18	16	20	17	11	11	17	17	15	14	14	11	30	21	14	17
3	14	12	44	20	17	15	12	14	25	19	18	15	13	14	53	41	18	15
4	28	14	22	22	17	18	41	13	24	18	16	18	35	14	33	19	15	18
5	20	15	16	17	80	73	25	14	17	17	38	31	31	21	19	17	88	74
6	46	16	15	29	17	19	51	21	17	15	17	19	34	28	16	15	25	108
7	52	30	13	15	92	16	49	25	15	16	35	19	39	26	19	16	140	36
8	51	28	40	25	16	15	45	28	27	15	17	16	42	27	50	23	17	15
9	37	23	15	15	32	25	94	22	16	15	28	27	35	34	16	16	18	18
10	23	27	14	15	24	27	27	14	15	15	17	23	22	23	15	16	15	22
11	35	50	14	21	29	33	34	48	15	10	22	16	23	32	16	24	28	29
12	14	11	16	21	29	13	26	12	16	15	17	13	12	13	13	17	20	14
13	40	14	16	14	13	17	35	16	22	13	13	15	20	15	16	11	14	16
14	29	17	14	14	15	17	32	14	15	15	16	18	25	37	15	15	15	16
15	22	21	14	16	17	14	38	19	15	16	17	15	21	18	14	22	15	14
16	19	21	15	17	13	13	20	20	14	17	14	15	14	16	23	16	14	14
17	25	15	45	181	12	15	31	14	14	19	13	15	40	22	68	124	13	15
18	15	16	26	14	14	14	15	14	18	14	15	16	24	17	51	14	16	17
19	20	14	14	14	15	17	24	15	15	15	17	17	18	16	14	14	16	17
20	14	14	15	14	15	17	23	15	14	15	16	17	15	16	13	14	15	20
21	22	46	58	33	46	19	27	44	15	17	17	20	25	40	29	25	27	22
22	16	29	22	19	20	20	27	15	15	16	20	29	15	16	15	17	18	26
23	51	23	23	25	22	16	19	20	15	18	19	17	18	17	24	32	19	23
24	15	13	18	15	17	17	16	14	28	15	18	17	16	14	53	14	25	18
25	12	14	14	14	17	19	14	15	14	15	18	19	13	15	14	15	17	18
26	14	13	13	15	18	18	15	15	15	15	18	17	14	15	15	15	19	18
27	12	14	14	15	17	14	14	14	14	15	17	15	14	18	15	15	17	15
28	14	12	20	15	14	19	18	14	14	16	15	18	32	33	14	17	15	19
29	19	14	23	22	20	15	31	16	17	14	24	17	20	16	19	16	18	15
30	13	14	16	17	15	18	16	15	27	18	16	19	17	15	15	17	16	19
31	13	16	16	16			15	15	18	15			15	18	18	36		

	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	68	81	84	84	80	87	45	87	87	100	90	90	68	74	74	84	80	83
MED	23	16	13	13	13	10	48	13	13	0	10	10	32	26	10	13	13	10
HIGH	10	3	3	3	7	3	6	0	0	0	0	0	0	0	16	3	7	7

2003 Data

TABLE 9

REGIONAL POLLUTION INDEX (RPI)

Lower Hunter region

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

D A Y	REGIONS																	
	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
1	11	10	14	15	16	16	12	9	20	13	14	15	10	9	30	11	14	13
2	15	9	15	12	16	16	9	9	21	15	14	15	9	8	15	14	17	16
3	12	14	28	16	16	18	12	11	30	16	29	16	10	8	26	14	15	14
4	14	12	18	14	19	19	9	9	15	14	16	17	13	10	26	16	14	17
5	16	13	24	11	19	18	10	10	22	13	15	17	18	8	44	30	19	17
6	40	15	14	15	17	19	10	14	14	14	16	15	19	14	17	14	17	13
7	17	14	34	13	26	18	14	15	19	15	22	17	12	14	26	13	18	16
8	33	11	21	15	19	17	14	9	20	14	17	16	19	9	24	14	16	15
9	25	12	16	16	16	19	21	13	20	16	15	16	11	10	18	14	14	18
10	14	13	17	17	19	27	29	12	15	15	14	22	22	14	14	14	17	19
11	14	12	16	13	26	17	12	14	15	12	20	18	12	14	24	12	18	17
12	9	8	13	12	19	16	13	11	15	12	16	12	14	10	12	14	16	15
13	8	12	10	8	17	17	13	12	14	9	16	15	10	12	18	10	16	15
14	38	14	13	14	19	16	23	14	12	14	15	15	27	15	12	13	15	14
15	50	13	17	15	17	16	27	13	14	15	16	14	20	10	13	12	15	14
16	11	13	15	19	15	16	18	15	13	16	14	15	18	14	12	16	14	14
17	35	14	18	14	15	15	48	13	19	12	15	14	35	12	16	13	13	13
18	17	15	13	16	15	19	12	15	13	16	15	19	12	13	14	15	15	15
19	16	12	14	15	18	18	25	10	13	12	17	19	13	10	13	11	36	38
20	13	15	16	16	18	16	11	15	13	14	28	16	9	13	12	12	17	21
21	18	12	14	18	17	16	25	14	11	15	15	22	13	14	12	17	15	17
22	10	9	17	14	16	22	13	9	11	15	29	25	13	9	15	16	38	24
23	12	12	14	21	22	22	15	15	15	24	20	21	17	15	20	19	21	20
24	6	6	16	16	17	19	15	14	18	14	18	16	15	13	18	14	16	16
25	4	5	15	15	17	17	13	13	14	14	15	16	13	13	14	14	15	16
26	11	2	14	15	16	22	13	14	13	14	15	16	12	14	14	14	15	17
27	5	4	13	15	20	18	14	14	12	14	20	18	13	13	12	14	16	17
28	20	7	15	15	17	19	34	13	12	14	18	18	13	9	19	13	17	18
29	8	3	11	16	19	18	12	13	11	15	17	17	10	13	16	15	18	16
30	9	14	25	17	17	16	14	14	17	16	17	16	13	13	21	16	13	16
31	16	15	16	17			15	11	15	16			13	13	16	16		

	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	81	100	90	100	93	97	81	100	97	100	90	97	94	100	84	97	93	97
MED	16	0	10	0	7	3	19	0	3	0	10	3	6	0	16	3	7	3
HIGH	3	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					
	JUL		AUG		SEP		JUL		AUG		SEP	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
1	15	14	16	17	16	16	11	13	14	15	14	14
2	14	13	16	16	15	18	11	9	12	16	12	16
3	15	15	16	14	17	16	12	13	19	16	14	15
4	14	14	15	14	16	16	11	13	34	13	14	17
5	12	13	14	16	20	17	10	14	14	14	18	15
6	13	14	16	16	16	18	12	13	14	14	14	14
7	14	11	16	17	14	17	12	10	15	16	17	15
8	17	17	14	16	17	17	15	12	15	15	15	14
9	8	13	16	16	16	17	9	9	12	14	10	17
10	11	12	16	16	16	18	10	14	15	15	16	21
11	12	14	16	10	19	16	13	13	13	11	22	18
12	14	15	10	9	15	15	12	14	12	14	15	13
13	16	14	17	7	15	16	14	14	12	9	14	15
14	14	12	14	15	15	17	13	14	15	14	14	17
15	11	15	15	16	17	16	14	11	14	16	16	14
16	15	14	15	17	15	15	13	13	16	18	14	13
17	13	16	18	16	14	15	12	13	17	17	12	13
18	15	15	16	15	16	15	12	16	17	14	14	13
19	16	15	16	15	14	17	15	14	15	13	13	15
20	14	15	30	16	16	17	12	15	13	14	14	16
21	14	14	16	17	16	13	15	13	11	17	16	15
22	10	14	17	11	19	22	12	13	15	14	17	19
23	11	13	20	16	19	17	11	13	17	12	20	17
24	18	15	17	16	20	18	18	14	16	15	16	16
25	15	15			17	18	13	13		14	16	17
26	15	15	14	15	17	18	15	13	14	16	18	17
27	13	15	14	15	17	18	12	15	12	14	15	15
28	14	14	14	16	15	16	66	13	12	16	14	15
29	15	15	16	15	16	15	14	13	14	14	17	14
30	15	15	17	18	16	17	14	13	15	17	12	16
31	15	15	17	16			12	12	16	15		

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