

Quarterly Air Quality Monitoring Report 2005

3

Part A: DEC Data

July – August – September
2005



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

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**TABLE 1
OZONE (O₃)**

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

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

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	94	95	95
	Average	1.0	1.4	1.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.5	3.2	3.3
	90-percentile Value	3.1	3.7	4.0
	Maximum 1-hour Value	3.5	4.4	4.8
	Maximum 4-hour Value	3.3	4.0	4.5
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	94	95
	Average	1.1	1.4	1.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.5	3.1	3.2
	90-percentile Value	3.1	3.5	4.1
	Maximum 1-hour Value	3.3	3.8	4.4
	Maximum 4-hour Value	3.2	3.7	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)
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:			
	% Sampling Time	95	94	95
	Average	1.3	1.9	2.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.7	3.4	3.7
	90-percentile Value	3.4	3.8	4.6
	Maximum 1-hour Value	3.5	4.5	5.6
	Maximum 4-hour Value	3.4	4.2	5.0
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)

*** Data not available

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

2005 Data

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
Central East Sydney region (Cont'd)				
ROZELLE				
Rozelle Hospital				
Balmain Rd	ALL HOURS IN MONTH:			
	% Sampling Time	91	82	79
	Average	1.1	1.5	1.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.4	3.0	2.9
	90-percentile Value	3.0	3.5	3.5
	Maximum 1-hour Value	3.2	3.8	4.0
	Maximum 4-hour Value	3.2	3.4	3.4
	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)
North West Sydney region				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	92	95	94
	Average	1.2	1.7	2.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.8	3.5	3.7
	90-percentile Value	3.4	3.9	4.7
	Maximum 1-hour Value	3.7	4.3	7.0
	Maximum 4-hour Value	3.5	4.0	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 (2)
	No. Days Above Goal	0 (0)	0 (0)	0 (1)
ST MARYS				
Mamre Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	70	92
	Average	1.3	1.4	1.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.0	3.3	3.5
	90-percentile Value	3.5	3.8	4.8
	Maximum 1-hour Value	3.6	3.9	5.9
	Maximum 4-hour Value	3.5	3.8	5.5
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)

*** Data not available

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

2005 Data

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	95	86	95
	Average	1.5	2.0	2.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.8	3.4	3.6
	90-percentile Value	3.5	3.9	4.5
	Maximum 1-hour Value	3.6	4.0	6.1
	Maximum 4-hour Value	3.6	3.8	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)
South West Sydney region				
BARGO				
Silica Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	93
	Average	2.1	2.2	2.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.2	3.5	3.6
	90-percentile Value	3.5	4.0	4.9
	Maximum 1-hour Value	3.8	4.2	5.1
	Maximum 4-hour Value	3.5	3.9	4.9
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)
BRINGELLY				
Ramsay Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	66	94	79
	Average	1.4	1.7	1.9
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.7	3.6	3.3
	90-percentile Value	3.4	4.1	4.6
	Maximum 1-hour Value	3.5	4.3	6.0
	Maximum 4-hour Value	3.4	4.1	5.6
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)

*** Data not available

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

2005 Data

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)			
LIVERPOOL			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	84	94	87
Average	1.2	1.4	1.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.7	3.4	3.3
90-percentile Value	3.4	3.8	4.4
Maximum 1-hour Value	3.5	5.5	5.7
Maximum 4-hour Value	3.4	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)
MACARTHUR			
UWS Campbelltown campus			
ALL HOURS IN MONTH:			
% Sampling Time	96	95	92
Average	1.4	1.6	1.8
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.0	3.3	3.7
90-percentile Value	3.4	3.8	5.1
Maximum 1-hour Value	3.5	4.0	5.5
Maximum 4-hour Value	3.3	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)
OAKDALE			
Ridge Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	87	96
Average	2.5	2.8	2.8
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.0	3.3	3.6
90-percentile Value	3.3	3.7	4.9
Maximum 1-hour Value	3.3	3.9	5.6
Maximum 4-hour Value	3.3	3.7	5.4
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	0 (0)
No. Days Above Level	0 (0)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (0)	0 (0)
No. Days Above Goal	0 (0)	0 (0)	0 (0)

*** Data not available

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

2005 Data

TABLE 1 (Cont'd)
OZONE (O₃)

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

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

MONITORING SITE		JUL	AUG	SEP
Illawarra region				
KEMBLA GRANGE				
Kembla Grange Racecourse				
Princes Hwy	ALL HOURS IN MONTH:			
	% Sampling Time	94	95	86
	Average	2.0	2.2	2.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.1	3.6	3.5
	90-percentile Value	3.5	4.1	4.6
	Maximum 1-hour Value	3.6	4.4	5.0
	Maximum 4-hour Value	3.5	4.1	4.5
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)
WARRAWONG				
Carlotta Cres				
	ALL HOURS IN MONTH:			
	% Sampling Time	94	95	95
	Average	1.8	2.0	2.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.8	3.3	3.4
	90-percentile Value	3.3	3.7	4.1
	Maximum 1-hour Value	3.4	4.1	4.7
	Maximum 4-hour Value	3.3	4.0	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)
WOLLONGONG				
Gipps St				
	ALL HOURS IN MONTH:			
	% Sampling Time	94	94	94
	Average	1.7	1.8	2.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.8	3.2	3.3
	90-percentile Value	3.3	3.7	3.9
	Maximum 1-hour Value	3.4	3.9	5.4
	Maximum 4-hour Value	3.3	3.8	4.9
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)

*** Data not available

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

2005 Data

TABLE 1 (Cont'd)
OZONE (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				
BERESFIELD				
Francis Greenway				
High School				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	95	51
	Average	1.2	1.6	1.8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.5	3.3	3.3
	90-percentile Value	3.1	3.8	4.4
	Maximum 1-hour Value	3.3	3.9	4.6
	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)
NEWCASTLE				
Athletics Field				
Smith St				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	95	90
	Average	1.3	1.7	1.9
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.6	3.2	3.3
	90-percentile Value	3.0	3.6	3.7
	Maximum 1-hour Value	3.2	4.1	5.0
	Maximum 4-hour Value	3.1	3.7	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)
WALLSEND				
Swimming Pool				
Frances St				
	ALL HOURS IN MONTH:			
	% Sampling Time	94	95	87
	Average	1.3	1.5	1.8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.6	3.2	3.4
	90-percentile Value	3.1	3.6	4.5
	Maximum 1-hour Value	3.2	4.2	4.8
	Maximum 4-hour Value	3.1	3.5	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)

*** Data not available

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

2005 Data

TABLE 1 (Cont'd)
OZONE (O₃)

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

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

MONITORING SITE		JUL	AUG	SEP
Central Tablelands region				
BATHURST				
Wastewater Treatment Plant				
Off Morrisset St	ALL HOURS IN MONTH:			
	% Sampling Time	92	94	96
	Average	1.5	1.8	1.8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.9	3.3	3.3
	90-percentile Value	3.2	3.8	3.8
	Maximum 1-hour Value	3.3	4.1	4.2
	Maximum 4-hour Value	3.3	3.8	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)

*** Data not available

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

TABLE 2

NITROGEN DIOXIDE (NO₂)

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

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

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	94	94	95
	Average	1.7	1.7	1.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.9	3.1	2.8
	90-percentile Value	3.9	3.9	3.6
	Maximum 1-hour Value	4.8	4.2	4.3
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	95	95
	Average	1.8	1.8	1.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.0	3.1	2.9
	90-percentile Value	3.6	3.7	3.6
	Maximum 1-hour Value	4.0	4.3	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
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:			
	% Sampling Time	95	80	95
	Average	1.7	1.6	1.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.9	3.0	2.9
	90-percentile Value	3.3	3.7	3.7
	Maximum 1-hour Value	3.8	4.1	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

*** Data not available

2005 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)				
ROZELLE				
Rozelle Hospital				
Balmain Rd	ALL HOURS IN MONTH:			
	% Sampling Time	75	94	89
	Average	1.7	1.7	1.4
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.8	3.1	2.7
	90-percentile Value	3.4	4.1	3.6
	Maximum 1-hour Value	3.7	4.5	4.4
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
North West Sydney region				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	75	91
	Average	0.7	0.8	0.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.7	2.1	1.7
	90-percentile Value	2.4	2.9	2.4
	Maximum 1-hour Value	2.6	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
ST MARYS				
Mamre Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	40	92
	Average	0.8	0.9	0.8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.0	2.1	2.0
	90-percentile Value	2.6	3.0	3.0
	Maximum 1-hour Value	2.9	3.2	4.1
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0

*** Data not available

TABLE 2 (Cont'd)

NITROGEN DIOXIDE (NO₂)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

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

MONITORING SITE		JUL	AUG	SEP
North West Sydney region (Cont'd)				
VINEYARD				
Castle Hill STP				
Bandon Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	86	95
	Average	0.8	0.7	0.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.8	1.9	1.8
	90-percentile Value	2.7	2.8	3.3
	Maximum 1-hour Value	2.8	3.1	4.1
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
South West Sydney region				
BARGO				
Silica Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	94	93
	Average	0.6	0.8	0.8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.7	2.1	2.0
	90-percentile Value	2.6	3.2	3.5
	Maximum 1-hour Value	2.9	3.8	4.1
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
BRINGELLY				
Ramsay Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	66	94	91
	Average	0.7	0.7	0.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.5	1.8	1.5
	90-percentile Value	2.0	2.8	2.4
	Maximum 1-hour Value	2.1	3.0	3.4
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0

*** Data not available

2005 Data

TABLE 2 (Cont'd)

NITROGEN DIOXIDE (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	83	93	90
Average	1.4	1.5	1.4
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.6	2.9	2.6
90-percentile Value	3.1	3.4	3.5
Maximum 1-hour Value	3.5	4.1	4.5
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0
MACARTHUR			
UWS Campbelltown campus			
ALL HOURS IN MONTH:			
% Sampling Time	96	95	92
Average	1.3	1.4	1.3
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.5	3.0	2.8
90-percentile Value	3.4	3.9	3.6
Maximum 1-hour Value	3.4	4.6	4.7
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0
OAKDALE			
Ridge Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	82	96
Average	0.1	0.2	0.3
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.4	0.7	0.7
90-percentile Value	1.0	1.7	1.7
Maximum 1-hour Value	2.0	2.9	2.1
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0

*** Data not available

2005 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				
KEMBLA GRANGE				
Kembla Grange Racecourse				
Princes Hwy	ALL HOURS IN MONTH:			
	% Sampling Time	94	95	91
	Average	0.6	0.7	0.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.4	1.9	1.4
	90-percentile Value	2.2	2.8	2.3
	Maximum 1-hour Value	2.3	3.7	3.1
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
WARRAWONG				
Carlotta Cres				
	ALL HOURS IN MONTH:			
	% Sampling Time	94	92	95
	Average	0.8	1.0	0.8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.0	2.4	1.9
	90-percentile Value	2.8	3.2	3.0
	Maximum 1-hour Value	2.9	3.6	5.5
	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
WOLLONGONG				
Gipps St				
	ALL HOURS IN MONTH:			
	% Sampling Time	84	90	94
	Average	1.0	1.1	1.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.2	2.6	2.3
	90-percentile Value	2.7	3.2	3.0
	Maximum 1-hour Value	3.0	3.5	5.8
	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

*** Data not available

2005 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	95	95	94
	Average	1.2	1.2	1.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.1	2.4	2.3
	90-percentile Value	2.8	3.0	2.9
	Maximum 1-hour Value	2.9	3.5	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
NEWCASTLE				
Athletics Field				
Smith St				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	95	87
	Average	1.3	1.4	1.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.4	2.7	2.2
	90-percentile Value	3.1	3.2	3.0
	Maximum 1-hour Value	3.2	3.3	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
WALLSEND				
Swimming Pool				
Frances St				
	ALL HOURS IN MONTH:			
	% Sampling Time	94	95	95
	Average	1.0	1.1	1.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.1	2.4	2.1
	90-percentile Value	2.7	3.2	2.9
	Maximum 1-hour Value	2.9	3.3	3.7
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0

*** Data not available

2005 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	94	94	94	94	95	95
	Average	5.6	3.9	4.6	2.9	3.4	1.8
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	16.4	13.8	14.9	12.2	9.9	7.3
	90-percentile Value	32.0	28.6	22.1	19.4	19.2	16.5
	Maximum 1-hour Value	46.3	41.7	29.2	25.5	24.4	21.9
EARLWOOD							
Beaman Park							
Riverview Rd	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	95	95	95	95
	Average	7.7	5.9	5.5	3.8	3.3	1.8
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	22.2	19.8	18.8	16.2	9.7	7.4
	90-percentile Value	36.3	33.6	31.4	28.7	16.4	14.2
	Maximum 1-hour Value	44.1	41.1	33.7	30.9	23.8	21.5
RANDWICK							
Randwick Barracks							
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	80	80	95	95
	Average	4.3	2.5	3.4	1.8	2.0	0.8
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	11.9	9.3	10.4	7.7	7.1	4.6
	90-percentile Value	18.2	15.3	18.3	14.5	12.0	9.4
	Maximum 1-hour Value	33.3	29.6	22.3	19.2	14.8	11.4
ROZELLE							
Rozelle Hospital							
Balmain Rd	ALL HOURS IN MONTH:						
	% Sampling Time	75	75	94	94	89	89
	Average	3.9	2.3	3.4	1.8	2.4	1.0
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	10.6	8.1	10.9	8.3	6.8	4.4
	90-percentile Value	18.0	15.5	17.9	14.9	11.8	8.7
	Maximum 1-hour Value	24.0	20.7	21.5	17.8	15.6	12.4
North West Sydney region							
RICHMOND							
University Of Western Sydney							
Vines Rd	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	75	75	91	91
	Average	1.7	1.0	1.5	0.7	0.9	0.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	4.6	3.4	4.1	2.8	2.4	1.3
	90-percentile Value	7.9	6.2	6.4	5.4	4.3	3.1
	Maximum 1-hour Value	11.8	9.3	9.1	8.1	5.3	4.8

*** Data not available

2005 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)							
ST MARYS							
Mamre Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	40	40	92	92
	Average	3.0	2.2	1.9	1.1	1.4	0.7
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	11.4	10.0	6.3	4.9	5.1	3.9
	90-percentile Value	21.2	19.8	12.3	10.1	10.5	9.1
	Maximum 1-hour Value	29.6	27.8	15.8	13.9	13.7	11.8
VINEYARD							
Castle Hill STP							
Bandon Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	86	86	95	95
	Average	1.5	0.7	1.1	0.4	1.0	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	3.8	2.6	2.9	1.7	2.7	1.5
	90-percentile Value	6.7	5.4	4.7	3.5	5.1	3.8
	Maximum 1-hour Value	9.4	8.3	5.3	4.3	6.3	5.1
South West Sydney region							
BARGO							
Silica Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	94	94	93	93
	Average	1.3	0.7	1.8	1.0	1.5	0.7
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	5.9	4.4	8.2	6.2	6.3	4.5
	90-percentile Value	14.0	12.1	16.7	14.1	16.0	12.8
	Maximum 1-hour Value	18.4	16.1	22.4	18.8	20.1	16.8
BRINGELLY							
Ramsay Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	66	66	94	94	91	91
	Average	1.9	1.2	1.5	0.8	1.1	0.4
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	4.4	3.5	3.6	2.5	2.5	1.5
	90-percentile Value	6.9	5.8	5.3	4.1	4.2	3.0
	Maximum 1-hour Value	7.4	6.7	7.0	4.7	5.1	4.4
LIVERPOOL							
Rose St							
	ALL HOURS IN MONTH:						
	% Sampling Time	83	83	93	93	90	90
	Average	6.1	4.7	4.8	3.3	3.0	1.7
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	19.1	16.9	16.6	14.0	8.5	6.3
	90-percentile Value	29.8	27.2	28.7	25.9	15.6	13.7
	Maximum 1-hour Value	31.9	29.3	36.2	33.2	18.5	16.2

*** Data not available

2005 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)							
MACARTHUR							
UWS Campbelltown campus							
	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	95	95	92	92
	Average	3.6	2.3	3.2	1.8	2.6	1.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	10.7	8.5	10.6	7.9	8.8	6.3
	90-percentile Value	18.2	15.6	21.5	18.5	13.9	11.1
	Maximum 1-hour Value	23.5	21.1	29.2	25.1	19.1	15.7
OAKDALE							
Ridge Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	82	82	96	96
	Average	0.1	0.0	0.2	0.0	0.3	0.0
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	0.4	0.1	0.7	0.1	0.7	0.1
	90-percentile Value	1.1	0.2	1.8	0.3	1.7	0.2
	Maximum 1-hour Value	2.1	0.3	3.0	0.4	2.1	0.2
Illawarra region							
KEMBLA GRANGE							
Kembla Grange Racecourse							
	Princes Hwy						
	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	95	95	91	91
	Average	1.1	0.5	1.2	0.5	0.9	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	4.3	3.0	4.5	3.1	2.7	1.6
	90-percentile Value	10.8	9.2	9.8	8.4	6.9	5.2
	Maximum 1-hour Value	13.3	11.3	17.9	15.9	8.9	6.9
WARRAWONG							
Carlotta Cres							
	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	92	92	95	95
	Average	1.5	0.6	1.5	0.6	1.1	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	5.1	3.3	5.7	3.5	3.3	1.6
	90-percentile Value	11.1	8.7	12.7	10.0	6.6	3.6
	Maximum 1-hour Value	15.4	13.5	13.5	10.9	11.7	9.6
WOLLONGONG							
Gipps St							
	ALL HOURS IN MONTH:						
	% Sampling Time	84	84	90	90	94	94
	Average	2.7	1.7	3.0	1.9	2.1	1.0
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	10.6	8.6	11.2	9.0	6.6	4.8
	90-percentile Value	20.2	17.9	27.5	25.2	14.2	12.1
	Maximum 1-hour Value	43.9	41.6	29.8	27.8	17.5	15.4

*** Data not available

2005 Data

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

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL		AUG		SEP	
		NO _x	NO	NO _x	NO	NO _x	NO
Lower Hunter region							
BERESFIELD							
Francis Greenway							
High School							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	95	95	94	94
	Average	2.9	1.7	2.9	1.7	2.3	1.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	9.5	7.7	10.3	8.2	7.5	5.6
	90-percentile Value	19.1	16.7	16.0	13.5	14.7	12.9
	Maximum 1-hour Value	19.7	17.3	22.8	20.3	19.0	17.1
NEWCASTLE							
Athletics Field							
Smith St							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	95	95	87	87
	Average	3.5	2.3	2.7	1.5	1.7	0.7
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	10.5	8.5	9.0	6.7	5.4	3.4
	90-percentile Value	18.5	16.1	15.2	12.8	9.5	7.0
	Maximum 1-hour Value	23.3	20.6	17.5	14.6	11.0	7.7
WALLSEND							
Swimming Pool							
Frances St							
	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	95	95	95	95
	Average	3.1	2.1	2.4	1.4	1.6	0.7
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	8.2	6.7	8.0	6.3	5.1	3.7
	90-percentile Value	14.1	12.6	13.1	11.7	8.8	7.7
	Maximum 1-hour Value	15.3	13.8	16.0	14.3	10.0	8.4

*** Data not available

2005 Data

TABLE 4.1
PARTICULATE MATTER: BY NEPHELOMETER (NEPH)
 Coefficient of light scattering by fine particles per 10 km
 1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
CHULLORA				
Southern Sydney TAFE				
Worth St				
	% Sampling Time	99	100	100
	Monthly Average	0.3	0.3	0.2
	90-percentile Value	0.7	0.8	0.5
	Maximum 24-hour Average	0.7	0.7	0.7
	Maximum 1-hour Value	1.8	2.7	2.3
EARLWOOD				
Beaman Park				
Riverview Rd				
	% Sampling Time	100	100	100
	Monthly Average	0.3	0.3	0.2
	90-percentile Value	0.7	0.7	0.4
	Maximum 24-hour Average	0.7	0.6	0.5
	Maximum 1-hour Value	1.4	1.5	1.5
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts				
	% Sampling Time	100	98	98
	Monthly Average	0.1	0.2	0.2
	90-percentile Value	0.4	0.5	0.5
	Maximum 24-hour Average	0.4	0.5	0.6
	Maximum 1-hour Value	0.9	1.8	0.9
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	% Sampling Time	100	99	96
	Monthly Average	0.2	0.3	0.2
	90-percentile Value	0.5	0.7	0.4
	Maximum 24-hour Average	0.6	0.8	0.5
	Maximum 1-hour Value	1.0	2.2	2.1
North West Sydney region				
RICHMOND				
University Of Western Sydney				
Vines Rd				
	% Sampling Time	100	100	99
	Monthly Average	0.2	0.3	0.1
	90-percentile Value	0.5	0.7	0.3
	Maximum 24-hour Average	0.6	0.7	0.4
	Maximum 1-hour Value	1.9	1.9	0.7

*** Data not available

2005 Data

TABLE 4.1 (Cont'd)

PARTICULATE MATTER: BY NEPHELOMETER (NEPH)

Coefficient of light scattering by fine particles per 10 km

1-HOUR CLOCK AVERAGE

MONITORING SITE	JUL	AUG	SEP
North West Sydney region (Cont'd)			
ST MARYS			
Mamre Rd			
% Sampling Time	100	99	99
Monthly Average	0.2	0.2	0.1
90-percentile Value	0.4	0.4	0.3
Maximum 24-hour Average	0.3	0.9	0.5
Maximum 1-hour Value	0.9	2.3	0.8
VINEYARD			
Castle Hill STP			
Bandon Rd			
% Sampling Time	100	91	100
Monthly Average	0.2	0.3	0.2
90-percentile Value	0.6	0.7	0.4
Maximum 24-hour Average	0.6	0.5	0.5
Maximum 1-hour Value	1.7	2.6	3.5
South West Sydney region			
BARGO			
Silica Rd			
% Sampling Time	100	100	97
Monthly Average	0.2	0.3	0.2
90-percentile Value	0.4	0.6	0.5
Maximum 24-hour Average	0.4	0.7	0.5
Maximum 1-hour Value	1.9	2.2	2.1
BRINGELLY			
Ramsay Rd			
% Sampling Time	70	99	96
Monthly Average	0.3	0.3	0.2
90-percentile Value	0.7	0.6	0.4
Maximum 24-hour Average	0.6	1.1	0.6
Maximum 1-hour Value	2.3	3.6	2.0
LIVERPOOL			
Rose St			
% Sampling Time	87	97	90
Monthly Average	0.3	0.3	0.2
90-percentile Value	0.8	0.6	0.4
Maximum 24-hour Average	0.6	0.6	0.7
Maximum 1-hour Value	1.4	1.9	2.9

*** Data not available

2005 Data

TABLE 4.1 (Cont'd)

PARTICULATE MATTER: BY NEPHELOMETER (NEPH)

Coefficient of light scattering by fine particles per 10 km

1-HOUR CLOCK AVERAGE

MONITORING SITE	JUL	AUG	SEP
South West Sydney region (Cont'd)			
MACARTHUR			
UWS Campbelltown campus			
% Sampling Time	100	100	100
Monthly Average	0.1	0.1	0.1
90-percentile Value	0.2	0.3	0.3
Maximum 24-hour Average	0.3	0.4	0.4
Maximum 1-hour Value	0.7	1.3	0.8
OAKDALE			
Ridge Rd			
% Sampling Time	97	100	100
Monthly Average	0.2	0.2	0.3
90-percentile Value	0.4	0.4	0.5
Maximum 24-hour Average	0.4	0.9	0.6
Maximum 1-hour Value	1.6	2.9	1.5
Illawarra region			
KEMBLA GRANGE			
Kembla Grange Racecourse			
Princes Hwy			
% Sampling Time	100	100	99
Monthly Average	0.0	0.1	0.1
90-percentile Value	0.1	0.2	0.3
Maximum 24-hour Average	0.1	0.4	0.3
Maximum 1-hour Value	0.4	0.8	1.9
WARRAWONG			
Carlotta Cres			
% Sampling Time	100	100	100
Monthly Average	0.1	0.2	0.2
90-percentile Value	0.3	0.4	0.4
Maximum 24-hour Average	0.3	0.5	0.5
Maximum 1-hour Value	0.7	1.8	1.4
WOLLONGONG			
Gipps St			
% Sampling Time	99	100	100
Monthly Average	0.1	0.1	0.1
90-percentile Value	0.2	0.3	0.3
Maximum 24-hour Average	0.2	0.4	0.4
Maximum 1-hour Value	0.4	0.7	1.1

*** Data not available

2005 Data

TABLE 4.1 (Cont'd)

PARTICULATE MATTER: BY NEPHELOMETER (NEPH)

Coefficient of light scattering by fine particles per 10 km

1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
Lower Hunter region				
BERESFIELD				
Francis Greenway				
High School				
	% Sampling Time	100	100	100
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.5	0.5	0.4
	Maximum 24-hour Average	0.4	0.5	0.7
	Maximum 1-hour Value	1.1	1.0	1.8
NEWCASTLE				
Athletics Field				
Smith St				
	% Sampling Time	100	100	99
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.5	0.6	0.4
	Maximum 24-hour Average	0.5	0.7	0.5
	Maximum 1-hour Value	1.3	1.6	0.8
WALLSEND				
Swimming Pool				
Frances St				
	% Sampling Time	100	100	100
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.6	0.6	0.4
	Maximum 24-hour Average	0.5	0.6	0.5
	Maximum 1-hour Value	1.4	1.7	0.7

*** Data not available

TABLE 4.2

**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	79	97	94
	Average	21	22	17
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	52	48	38
	90-percentile Value	88	68	55
	Maximum 1-hour Value	154	81	65
	Maximum 24-hour Value	38	35	30
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	98	99	98
	Average	19	25	17
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	38	60	32
	90-percentile Value	56	94	41
	Maximum 1-hour Value	84	235	60
	Maximum 24-hour Value	37	38	27
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:			
	% Sampling Time	99	95	98
	Average	14	17	15
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	28	32	26
	90-percentile Value	41	49	40
	Maximum 1-hour Value	57	54	46
	Maximum 24-hour Value	26	26	27
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
ROZELLE				
Rozelle Hospital				
Balmain Rd	ALL HOURS IN MONTH:			
	% Sampling Time	94	94	93
	Average	16	19	17
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	32	41	34
	90-percentile Value	46	57	48
	Maximum 1-hour Value	61	116	55
	Maximum 24-hour Value	33	30	32
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0

*** Data not available

TABLE 4.2 (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		JUL	AUG	SEP
North West Sydney region				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	99	99	97
	Average	13	18	12
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	25	42	26
	90-percentile Value	36	62	40
	Maximum 1-hour Value	55	99	51
	Maximum 24-hour Value	27	27	25
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
ST MARYS				
Mamre Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	94	91
	Average	15	21	15
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	44	81	38
	90-percentile Value	65	101	72
	Maximum 1-hour Value	158	693	86
	Maximum 24-hour Value	27	55	33
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	1	0
VINEYARD				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	99	90	94
	Average	14	18	14
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	31	39	29
	90-percentile Value	53	59	47
	Maximum 1-hour Value	60	101	86
	Maximum 24-hour Value	25	26	30
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
South West Sydney region				
BRINGELLY				
Ramsay Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	63	84	89
	Average	17	22	15
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	45	61	36
	90-percentile Value	66	97	59
	Maximum 1-hour Value	74	114	69
	Maximum 24-hour Value	29	44	28
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0

*** Data not available

2005 Data

TABLE 4.2 (Cont'd)

PARTICULATE MATTER: BY TAPERED ELEMENT

OSCILLATING MICROBALANCE (TEOM-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	JUL	AUG	SEP
South West Sydney region (Cont'd)			
LIVERPOOL			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	86	94	98
Average	22	23	17
DAILY 1-HOUR MAXIMA:			
Monthly Average	54	70	37
90-percentile Value	81	90	65
Maximum 1-hour Value	109	592	97
Maximum 24-hour Value	35	42	36
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
MACARTHUR			
UWS Campbelltown campus			
ALL HOURS IN MONTH:			
% Sampling Time	90	90	84
Average	12	17	16
DAILY 1-HOUR MAXIMA:			
Monthly Average	29	43	34
90-percentile Value	38	67	51
Maximum 1-hour Value	42	225	57
Maximum 24-hour Value	20	31	27
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
OAKDALE			
Ridge Rd			
ALL HOURS IN MONTH:			
% Sampling Time	100	99	98
Average	7	11	11
DAILY 1-HOUR MAXIMA:			
Monthly Average	15	30	23
90-percentile Value	31	65	36
Maximum 1-hour Value	37	101	47
Maximum 24-hour Value	12	28	24
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
Illawarra region			
KEMBLA GRANGE			
Kembla Grange Racecourse			
Princes Hwy			
ALL HOURS IN MONTH:			
% Sampling Time	96	93	98
Average	13	19	15
DAILY 1-HOUR MAXIMA:			
Monthly Average	46	59	34
90-percentile Value	97	115	52
Maximum 1-hour Value	159	143	93
Maximum 24-hour Value	26	33	37
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0

*** Data not available

2005 Data

TABLE 4.2 (Cont'd)

PARTICULATE MATTER: BY TAPERED ELEMENT

OSCILLATING MICROBALANCE (TEOM-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	JUL	AUG	SEP
<i>Illawarra region (Cont'd)</i>			
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	98	97	94
Average	16	20	16
DAILY 1-HOUR MAXIMA:			
Monthly Average	52	55	34
90-percentile Value	121	83	52
Maximum 1-hour Value	190	210	76
Maximum 24-hour Value	51	55	33
NEPM STANDARD LEVEL:			
No. Days Above Level	1	1	0
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	97	98	94
Average	11	15	15
DAILY 1-HOUR MAXIMA:			
Monthly Average	25	33	32
90-percentile Value	36	53	49
Maximum 1-hour Value	41	59	65
Maximum 24-hour Value	17	26	31
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
<i>Lower Hunter region</i>			
BERESFIELD			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	98	99	98
Average	17	23	17
DAILY 1-HOUR MAXIMA:			
Monthly Average	36	61	37
90-percentile Value	63	119	59
Maximum 1-hour Value	92	167	86
Maximum 24-hour Value	27	38	36
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
NEWCASTLE			
Athletics Field			
Smith St			
ALL HOURS IN MONTH:			
% Sampling Time	99	99	96
Average	16	21	18
DAILY 1-HOUR MAXIMA:			
Monthly Average	34	43	38
90-percentile Value	51	60	66
Maximum 1-hour Value	77	74	75
Maximum 24-hour Value	27	35	31
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0

*** Data not available

2005 Data

TABLE 4.2 (Cont'd)

PARTICULATE MATTER: BY TAPERED ELEMENT

OSCILLATING MICROBALANCE (TEOM-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		JUL	AUG	SEP
Lower Hunter region (Cont'd)				
WALLSEND				
Swimming Pool				
Frances St	ALL HOURS IN MONTH:			
	% Sampling Time	99	91	99
	Average	15	18	15
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	28	38	28
	90-percentile Value	37	57	39
	Maximum 1-hour Value	40	62	45
	Maximum 24-hour Value	23	32	28
	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	98	98	100
	Average	10	11	10
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	22	26	19
	90-percentile Value	35	36	28
	Maximum 1-hour Value	37	146	31
	Maximum 24-hour Value	16	20	17
	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	88	97	82
	Average	11	11	11
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	22	24	21
	90-percentile Value	32	30	31
	Maximum 1-hour Value	39	87	34
	Maximum 24-hour Value	19	16	18
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
WAGGA WAGGA				
Cnr Morgan & Murray Sts				
	ALL HOURS IN MONTH:			
	% Sampling Time	99	97	100
	Average	16	18	15
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	42	42	35
	90-percentile Value	80	67	54
	Maximum 1-hour Value	103	96	82
	Maximum 24-hour Value	34	35	27
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0

*** Data not available

2005 Data

TABLE 4.2 (Cont'd)

**PARTICULATE MATTER: BY TAPERED ELEMENT
OSCILLATING MICROBALANCE (TEOM-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		JUL	AUG	SEP
<i>North West Slopes region</i>				
TAMWORTH				
Hyman Park				
Off Robert St	ALL HOURS IN MONTH:			
	% Sampling Time	60	96	100
	Average	13	18	15
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	35	48	35
	90-percentile Value	60	72	56
	Maximum 1-hour Value	73	76	61
	Maximum 24-hour Value	20	30	28
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0

*** Data not available

TABLE 4.3

**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				
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	99	99	99
	Average	11	11	9
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	23	24	16
	90-percentile Value	36	38	24
	Maximum 1-hour Value	41	40	30
South West Sydney region				
LIVERPOOL				
Rose St				
	ALL HOURS IN MONTH:			
	% Sampling Time	86	71	98
	Average	13	14	10
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	28	42	22
	90-percentile Value	39	48	31
	Maximum 1-hour Value	42	349	84
Illawarra region				
WARRAWONG				
Carlotta Cres				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	97	94
	Average	8	10	9
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	21	24	17
	90-percentile Value	34	36	27
	Maximum 1-hour Value	55	51	33
WOLLONGONG				
Gipps St				
	ALL HOURS IN MONTH:			
	% Sampling Time	99	98	95
	Average	7	8	8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	16	16	16
	90-percentile Value	26	23	26
	Maximum 1-hour Value	60	26	30
Lower Hunter region				
BERESFIELD				
Francis Greenway				
High School				
	ALL HOURS IN MONTH:			
	% Sampling Time	98	77	93
	Average	10	11	10
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	21	24	22
	90-percentile Value	32	33	38
Maximum 1-hour Value			66	35
				120

*** Data not available

2005 Data

TABLE 4.3 (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
<i>Lower Hunter region (Cont'd)</i>				
WALLSEND				
Swimming Pool				
Frances St	ALL HOURS IN MONTH:			
	% Sampling Time	98	98	99
	Average	9	10	9
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	19	21	16
	90-percentile Value	29	29	24
	Maximum 1-hour Value	31	38	35

*** Data not available

TABLE 5

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		JUL	AUG	SEP
Central East Sydney region				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	94	94	95
	Average	0.1	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.2	0.4	0.4
	90-percentile Value	0.5	0.7	0.9
	Maximum 1-hour Value	0.5	1.3	1.5
	Maximum 24-hour Value	0.2	0.3	0.5
	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	90	95
	Average	0.1	0.2	0.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.4	0.6	0.7
	90-percentile Value	0.8	0.9	1.1
	Maximum 1-hour Value	1.1	1.3	2.5
	Maximum 24-hour Value	0.3	0.3	0.6
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
North West Sydney region				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	95	91
	Average	0.0	0.1	0.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.4	0.4	0.6
	Maximum 1-hour Value	0.8	0.5	1.5
	Maximum 24-hour Value	0.1	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	95	86	95
	Average	0.1	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.2	0.2	0.3
	90-percentile Value	0.4	0.6	0.9
	Maximum 1-hour Value	0.7	0.7	1.0
	Maximum 24-hour Value	0.1	0.2	0.3
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)

*** Data not available

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

2005 Data

TABLE 5 (Cont'd)

SULFUR DIOXIDE (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	JUL	AUG	SEP
South West Sydney region			
BARGO			
Silica Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	93
Average	0.0	0.0	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.0	0.2	0.2
90-percentile Value	0.1	0.5	0.4
Maximum 1-hour Value	0.4	0.9	0.5
Maximum 24-hour Value	0.1	0.2	0.3
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
BRINGELLY			
Ramsay Rd			
ALL HOURS IN MONTH:			
% Sampling Time	66	94	91
Average	0.0	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	0.8	0.8	0.9
Maximum 24-hour Value	0.1	0.2	0.2
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
MACARTHUR			
UWS Campbelltown campus			
ALL HOURS IN MONTH:			
% Sampling Time	96	95	92
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.2	0.3	0.2
90-percentile Value	0.3	0.7	0.5
Maximum 1-hour Value	0.4	0.8	0.8
Maximum 24-hour Value	0.2	0.2	0.3
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
Illawarra region			
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	94	94	95
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.3	0.8	0.4
90-percentile Value	0.8	2.3	1.1
Maximum 1-hour Value	3.2	3.2	1.8
Maximum 24-hour Value	0.5	0.5	0.4
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)

*** Data not available

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

2005 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	JUL	AUG	SEP
Illawarra region (Cont'd)			
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	94	93	94
Average	0.0	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.2	0.4	0.6
90-percentile Value	0.5	0.9	1.2
Maximum 1-hour Value	1.0	1.7	3.8
Maximum 24-hour Value	0.1	0.3	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	95	95	95
Average	0.3	0.3	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.9	1.0	0.9
90-percentile Value	1.6	1.8	1.7
Maximum 1-hour Value	2.1	3.7	4.5
Maximum 24-hour Value	0.7	0.6	0.5
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
NEWCASTLE			
Athletics Field			
Smith St			
ALL HOURS IN MONTH:			
% Sampling Time	95	95	91
Average	0.2	0.2	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.7	0.9	0.8
90-percentile Value	1.2	1.7	1.7
Maximum 1-hour Value	2.0	3.5	3.1
Maximum 24-hour Value	0.6	0.5	0.6
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
WALLSEND			
Swimming Pool			
Frances St			
ALL HOURS IN MONTH:			
% Sampling Time	94	95	95
Average	0.2	0.2	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.7	1.1	0.8
90-percentile Value	1.4	2.1	1.9
Maximum 1-hour Value	2.2	3.3	2.1
Maximum 24-hour Value	0.5	0.4	0.4
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)

*** Data not available

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

2005 Data

TABLE 6

CARBON MONOXIDE (CO)

Parts per million (ppm)
1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL: 8-hour average = 9 ppm

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
CHULLORA				
Southern Sydney TAFE				
Worth St	ALL HOURS IN MONTH:			
	% Sampling Time	94	94	95
	Average	0.4	0.3	0.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.3	1.1	0.7
	90-percentile Value	2.2	2.0	1.2
	Maximum 1-hour Value	3.0	2.6	1.3
	Maximum 8-hour Value	1.8	1.6	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	89	92	91
	Average	0.3	0.3	0.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.1	1.1	0.7
	90-percentile Value	2.0	1.8	1.3
	Maximum 1-hour Value	3.0	2.0	1.4
	Maximum 8-hour Value	1.8	1.5	1.0
	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	83	76	84
	Average	0.6	0.6	0.4
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.9	1.7	0.8
	90-percentile Value	3.0	2.5	1.3
	Maximum 1-hour Value	3.4	3.1	1.8
	Maximum 8-hour Value	2.5	2.0	1.3
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	0
	No. Days Above Level	0	0	0

*** Data not available

TABLE 6 (Cont'd)

CARBON MONOXIDE (CO)

Parts per million (ppm)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL: 8-hour average = 9 ppm

MONITORING SITE	JUL	AUG	SEP
South West Sydney region (Cont'd)			
MACARTHUR			
UWS Campbelltown campus			
ALL HOURS IN MONTH:			
% Sampling Time	96	95	92
Average	0.2	0.2	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.5	0.5	0.4
90-percentile Value	1.0	0.9	0.7
Maximum 1-hour Value	1.4	1.8	0.8
Maximum 8-hour Value	0.8	0.9	0.5
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	92	95
Average	0.3	0.5	0.3
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.9	1.2	0.9
90-percentile Value	1.7	2.3	1.5
Maximum 1-hour Value	2.5	3.4	2.0
Maximum 8-hour Value	1.4	2.6	1.2
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	94	93	84
Average	0.3	0.2	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.1	0.9	0.5
90-percentile Value	2.1	1.8	0.8
Maximum 1-hour Value	2.3	2.0	1.1
Maximum 8-hour Value	1.6	1.7	0.9
NEPM STANDARD LEVEL:			
No.Events Above Level	0	0	0
No. Days Above Level	0	0	0

*** Data not available

2005 Data

TABLE 7

REGIONAL POLLUTION INDEX (RPI)

Sydney region

RPI	Low 0 - 24						Medium 25 - 49						High > 49					
D A Y	Eastern Sydney						South Western						North Western					
	JUL		AUG		SEP		JUL		AUG		SEP		JUL		AUG		SEP	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
1	17	12	23	16	15	17	22	15	26	20	18	20	13	14	25	28	17	19
2	11	13	24	25	16	18	27	15	43	19	18	20	13	15	17	20	19	19
3	12	16	26	28	18	19	15	15	52	19	21	18	14	16	20	20	19	18
4	16	15	16	15	54	20	15	16	23	17	34	25	23	16	17	16	82	14
5	28	18	12	16	13	17	22	15	16	17	14	18	19	15	16	16	13	16
6	20	24	26	16	17	18	42	24	17	17	16	19	27	20	57	16	15	19
7	27	24	33	16	18	20	34	23	38	16	28	22	44	16	38	43	19	19
8	32	13	16	17	17	20	25	12	16	16	25	23	20	20	16	15	18	21
9	20	25	17	15	19	26	20	38	30	17	23	24	33	17	15	16	21	24
10	16	16	14	14	23	22	17	16	16	16	27	26	16	17	15	16	25	20
11	16	15	13	15	23	16	16	16	16	17	21	17	16	16	15	16	19	16
12	15	18	14	16	16	15	21	13	29	17	17	16	22	18	15	15	15	16
13	21	19	17	17	14	17	30	19	18	18	15	16	16	15	17	17	15	16
14	42	14	53	29	15	18	15	20	30	20	17	15	14	15	22	35	16	15
15	11	11	24	15	18	16	21	13	64	18	23	16	15	13	25	18	15	17
16	10	13	15	17	16	13	13	14	16	17	16	15	12	14	17	16	17	11
17	12	15	20	18	12	15	16	16	37	16	14	15	14	17	18	18	14	15
18	15	16	23	25	14	17	16	18	38	19	15	17	16	16	23	21	14	16
19	18	16	20	18	17	18	25	16	34	17	23	16	16	17	21	17	16	18
20	16	16	63	19	18	17	23	17	35	20	28	15	17	15	19	20	17	14
21	20	16	14	16	16	22	38	16	18	15	16	20	16	16	18	15	14	19
22	28	16	15	16	21	24	31	16	15	16	49	26	32	16	14	15	20	19
23	29	14	16	17	18	27	29	17	16	16	25	24	28	17	16	16	20	25
24	31	16	16	17	48	23	55	39	16	18	23	68	39	35	16	19	24	35
25	22	14	43	22	21	17	17	16	18	19	62	20	17	16	19	19	25	23
26	13	14	22	23	16	19	16	16	30	20	16	22	15	17	19	18	15	15
27	13	16	19	16	14	17	15	17	19	18	35	16	15	17	18	32	13	16
28	17	15	24	50	17	19	16	15	36	40	17	15	17	16	46	33	14	16
29	16	13	37	39	17	15	21	19	84	33	19	21	15	17	62	55	16	15
30	20	17	17	16	14	19	44	16	52	17	14	20	17	17	45	23	15	17
31	24	20	16	14			33	17	16	45			40	32	14	15		

	PERCENTAGE FREQUENCY																	
	Eastern Sydney						South Western						North Western					
	JUL		AUG		SEP		JUL		AUG		SEP		JUL		AUG		SEP	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW	77	97	77	81	93	93	61	94	48	90	70	87	77	94	77	81	90	93
MED	23	3	16	16	3	7	35	6	39	10	27	10	23	6	16	16	7	7
HIGH	0	0	6	3	3	0	3	0	13	0	3	3	0	0	6	3	3	0

2005 Data

TABLE 7 (Cont'd)

REGIONAL POLLUTION INDEX (RPI)

Lower Hunter region

RPI	Low 0 - 24						Medium 25 - 49						High > 49					
D A Y	Newcastle						REGIONS 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	14	11	25	15	15	16	14	12	21	17	14	16	13	11	25	18	15	14
2	10	12	38	15	17	13	9	12	41	16	17	14	9	12	20	16	14	15
3	10	13	18	18	15	19	11	11	19	18	19	17	12	14	15	18	19	14
4	15	11	26	19	18	15	23	11	22	20	13	12	12	7	20	13	14	12
5	14	8	12	14	14	13	10	15	15	13	12	11	10	13	13	14	12	12
6	24	13	15	12	16	17	25	15	16	13	14	17	25	8	12	14	12	17
7	17	12	27	17	16	17	26	20	20	16	16	16	14	11	19	17	16	19
8	21	12	16	14	15	16	16	15	16	12	15	19	12	11	17	15	16	7
9	10	14	16	15	15	16	12	14	17	14	13	23	10	13	19	15	9	12
10	13	14	14	13	17	15	14	15	14	14	14	22	14	15	14	13	14	10
11	14	14	14	15	19	15	15	11	15	15	18	15	14	10	13	16	15	7
12	13	10	14	16	15	14	12	8	15	16	16	15	11	8	15	16	7	3
13	20	13	16	16	13	16	18	14	17	18	13	15	23	13	16	18	6	3
14	11	11	24	12	13	16	12	8	23	14	14	17	13	12	18	16	7	5
15	15	12	15	16	16	15	12	13	15	16	15	15	12	11	19	17	15	7
16	9	11	15	16	14	10	11	12	15	14	15	7	10	13	17	11	10	8
17	12	15	16	18	13	14	13	15	14	15	14	15	13	14	14	18	7	1
18	14	12	20	14	14	17	15	11	17	13	15	18	14	13	23	18	4	2
19	20	14	13	14	17	14	17	14	23	20	18	16	19	13	22	18	11	8
20	14	14	20	17	15	12	20	14	18	17	16	15	12	13	17	18	9	6
21	14	12	15	14	4	5	12	11	15	15	15	18	17	9	15	16	10	6
22	20	17	14	15	3	16	19	12	14	16	16	15	17	18	15	15	9	19
23	29	14	13	16	15	17	29	15	11	16	15	19	21	12	11	14	15	21
24	14	13	15	15	19	24	29	14	16	15	15	24	14	14	15	14	42	24
25	13	13	15	15	20	19	14	14	14	15	21	19	15	14	14	14	20	18
26	12	14	15	16	17	16	13	14	17	16	17	15	15	15	13	17	16	13
27	12	14	19	15	15	14	15	13	21	16	16	13	14	16	14	16	14	13
28	18	11	15	18	14	15	16	13	16	17	12	14	17	13	15	18	13	15
29	17	14	16	16	13	15	15	12	16	17	4	6	21	13	18	19	14	16
30	24	15	14	15	15	16	33	15	13	18	8	5	13	15	17	18	15	19
31	27	16	12	15			23	19	14	15			14	15	17	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	94	100	87	100	100	100	84	100	97	100	100	100	97	100	97	100	97	100
MED	6	0	13	0	0	0	16	0	3	0	0	0	3	0	3	0	3	0
HIGH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

2005 Data

TABLE 7 (Cont'd)

REGIONAL POLLUTION INDEX (RPI)

Illawarra region

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

D A Y	Albion Park						REGIONS Wollongong					
	JUL		AUG		SEP		JUL		AUG		SEP	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
1							17	13	17	16	19	17
2							13	14	17	19	15	17
3							14	14	20	18	17	19
4							15	14	16	17	32	17
5							17	13	16	17	16	18
6							11	16	16	17	16	18
7							15	10	16	17	17	18
8							13	10	17	16	17	17
9							13	13	15	17	18	18
10							17	17	16	17	17	23
11							17	15	17	17	24	17
12							14	14	16	15	16	16
13							13	14	14	18	16	18
14							13	13	17	20	18	18
15							12	14	20	17	16	17
16							13	15	16	17	17	15
17							15	16	19	17	16	16
18							16	16	16	19	16	17
19							15	16	19	17	17	19
20							14	16	18	20	19	17
21							14	17	17	16	18	19
22							15	16	16	16	20	21
23							15	16	16	17	19	23
24							16	17	16	18	45	25
25							17	15	18	22	19	15
26							16	16	41	20	13	16
27							14	16	19	17	13	15
28							15	15	16	20	16	17
29							15	17	22	17	15	15
30							15	16	14	19	14	18
31							16	17	15	19		

	PERCENTAGE FREQUENCY											
	Albion Park						Wollongong					
	JUL		AUG		SEP		JUL		AUG		SEP	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW	0	0	0	0	0	0	100	100	97	100	93	97
MED	0	0	0	0	0	0	0	0	3	0	7	3
HIGH	0	0	0	0	0	0	0	0	0	0	0	0