

Quarterly
Air Quality
Monitoring
Report

3
1999

Part A: EPA Data

July - August - September
1999

Contents

Data Tables

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

TABLE 1
OZONE (O₃)

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				
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	94	88
	Average	0.7	0.9	1.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.0	2.4	2.7
	90-percentile Value	2.5	2.9	3.3
	Maximum 1-hour Value	3.0	3.4	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)
LIDCOMBE				
EPA Laboratories				
Weeroona Rd	ALL HOURS IN MONTH:			
	% Sampling Time	81	88	96
	Average	0.9	1.1	1.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.1	2.6	3.0
	90-percentile Value	2.9	3.1	3.8
	Maximum 1-hour Value	3.1	3.2	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)
LINDFIELD				
Bradfield Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	50	84	94
	Average	0.6	1.3	1.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.7	2.5	3.3
	90-percentile Value	2.7	3.3	3.8
	Maximum 1-hour Value	3.0	3.7	4.4
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)

*** Data not available

1999 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

Parts per hundred million (pphm)

NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm

1-HOUR CLOCK AVERAGE

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	93	93
	Average	1.1	1.4
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	2.2	2.7
	90-percentile Value	3.1	3.1
	Maximum 1-hour Value	3.1	3.6
	NEPM STANDARD LEVEL:		
	No. Hours Above Level	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:		
	No. Hours Above Goal	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)
ROZELLE			
Rozelle Hospital			
Balmain Rd	ALL HOURS IN MONTH:		
	% Sampling Time	95	88
	Average	0.7	0.9
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	1.8	2.0
	90-percentile Value	2.3	2.4
	Maximum 1-hour Value	2.5	2.8
	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	92
	Average	1.5	1.6
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	2.7	2.9
	90-percentile Value	3.3	3.3
	Maximum 1-hour Value	3.3	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)

*** Data not available

1999 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

Parts per hundred million (pphm)

NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm

1-HOUR CLOCK AVERAGE

4-hour average = 6 pphm

MONITORING SITE	JUL	AUG	SEP
North West Sydney region			
BLACKTOWN			
Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	96	92
Average	0.8	1.0	1.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.1	2.6	3.0
90-percentile Value	2.6	2.9	3.8
Maximum 1-hour Value	2.7	3.4	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	94	96	90
Average	1.3	1.5	1.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.8	3.3	3.6
90-percentile Value	3.2	3.6	4.3
Maximum 1-hour Value	3.5	4.1	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)
ST MARYS			
Mamre Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	80	85
Average	1.0	1.0	0.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.4	2.6	1.9
90-percentile Value	2.9	3.1	2.4
Maximum 1-hour Value	2.9	3.3	2.7
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

1999 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

Parts per hundred million (pphm)

NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm

1-HOUR CLOCK AVERAGE

4-hour average = 6 pphm

MONITORING SITE		JUL	AUG	SEP
North West Sydney region (Cont'd)				
VINEYARD				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	96	72	90
	Average	1.3	1.7	1.8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.7	3.0	3.5
	90-percentile Value	3.2	3.7	4.5
	Maximum 1-hour Value	3.7	4.1	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)
WENTWORTH FALLS				
Bodington Hospital				
Bodington Drv	ALL HOURS IN MONTH:			
	% Sampling Time	67	94	***
	Average	1.8	1.9	***
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.3	2.5	***
	90-percentile Value	2.6	3.0	***
	Maximum 1-hour Value	2.8	3.3	***
	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)	*** (***)
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	74	94	95
	Average	0.9	1.1	1.4
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.1	2.8	3.3
	90-percentile Value	2.8	3.4	4.1
	Maximum 1-hour Value	3.0	3.6	4.3
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)

*** Data not available

1999 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

Parts per hundred million (pphm)

NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm

1-HOUR CLOCK AVERAGE

4-hour average = 6 pphm

MONITORING SITE	JUL	AUG	SEP
South West Sydney region			
BARGO			
Silica Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	96	95
Average	1.5	1.5	1.8
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.6	2.8	3.4
90-percentile Value	2.8	3.3	4.2
Maximum 1-hour Value	3.0	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)
BRINGELLY			
Ramsay Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	96	85
Average	1.2	1.2	1.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.6	2.9	3.3
90-percentile Value	2.9	3.3	4.4
Maximum 1-hour Value	3.0	3.5	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)
CAMDEN #			
Camden Airport			
Aerodrome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	97	97
Average	***	***	***
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.2	2.6	3.1
90-percentile Value	2.6	2.9	3.9
Maximum 1-hour Value	2.9	3.4	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

1999 Data

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

These are industry supplied data and have not undergone EPA QA/QC procedures

TABLE 1 (Cont'd)

OZONE (O₃)

NEPM STANDARD LEVEL: 1-hour average = 10 pphm

4-hour average = 8 pphm

Parts per hundred million (pphm)

NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm

1-HOUR CLOCK AVERAGE

4-hour average = 6 pphm

MONITORING SITE		JUL	AUG	SEP
South West Sydney region (Cont'd)				
CAMPBELLTOWN #				
Kanbyugal Reserve				
Cronulla Cres.	ALL HOURS IN MONTH:			
	% Sampling Time	91	94	92
	Average	***	***	***
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.3	2.9	3.2
	90-percentile Value	3.0	3.4	3.9
	Maximum 1-hour Value	3.2	3.4	4.7
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (***)	0 (***)	0 (***)
	No. Days Above Level	0 (***)	0 (***)	0 (***)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (***)	0 (***)	0 (***)
	No. Days Above Goal	0 (***)	0 (***)	0 (***)
LIVERPOOL				
Rose St				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	96	96
	Average	0.8	0.9	1.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.2	2.5	2.8
	90-percentile Value	2.5	3.0	3.6
	Maximum 1-hour Value	2.8	3.2	3.9
	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)
OAKDALE				
Ridge Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	94	94	96
	Average	2.4	2.6	2.9
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.8	3.3	4.0
	90-percentile Value	3.2	4.0	4.8
	Maximum 1-hour Value	3.3	4.3	7.2
	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 (2)
	No. Days Above Goal	0 (0)	0 (0)	0 (1)

*** Data not available

1999 Data

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

These are industry supplied data and have not undergone EPA QA/QC procedures

TABLE 1 (Cont'd)

OZONE (O₃)

NEPM STANDARD LEVEL: 1-hour average = 10 pphm

4-hour average = 8 pphm

Parts per hundred million (pphm)

NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm

1-HOUR CLOCK AVERAGE

4-hour average = 6 pphm

MONITORING SITE	JUL	AUG	SEP
Illawarra region			
ALBION PARK			
Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	90	90	89
Average	2.1	2.1	2.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.9	3.2	3.4
90-percentile Value	3.2	3.5	3.9
Maximum 1-hour Value	3.3	3.7	4.0
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	0 (0)
No. Days Above Level	0 (0)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (0)	0 (0)
No. Days Above Goal	0 (0)	0 (0)	0 (0)
KEMBLA GRANGE			
Kembla Grange Racecourse			
Princes Hwy			
ALL HOURS IN MONTH:			
% Sampling Time	90	90	91
Average	1.7	1.7	2.0
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.9	3.1	3.4
90-percentile Value	3.2	3.4	4.0
Maximum 1-hour Value	3.4	3.7	4.3
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	0 (0)
No. Days Above Level	0 (0)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (0)	0 (0)
No. Days Above Goal	0 (0)	0 (0)	0 (0)
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	90	92	92
Average	1.3	1.4	2.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.4	2.6	3.2
90-percentile Value	3.2	3.1	3.7
Maximum 1-hour Value	3.5	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)

*** Data not available

1999 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

Parts per hundred million (pphm)

NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm

1-HOUR CLOCK AVERAGE

4-hour average = 6 pphm

MONITORING SITE	JUL	AUG	SEP
Illawarra region (Cont'd)			
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	68	92	91
Average	1.5	1.6	1.8
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.7	2.9	3.2
90-percentile Value	3.2	3.3	3.9
Maximum 1-hour Value	3.4	3.7	4.4
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	0 (0)
No. Days Above Level	0 (0)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (0)	0 (0)
No. Days Above Goal	0 (0)	0 (0)	0 (0)
Lower Hunter region			
BERESFIELD			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	96	95	89
Average	1.0	1.3	1.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.2	2.7	3.5
90-percentile Value	2.8	3.2	4.3
Maximum 1-hour Value	3.0	3.7	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)
NEWCASTLE			
Athletics Field			
Smith St			
ALL HOURS IN MONTH:			
% Sampling Time	96	96	88
Average	1.4	1.6	2.0
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.7	3.0	3.5
90-percentile Value	3.3	3.4	4.4
Maximum 1-hour Value	3.4	3.7	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)

*** Data not available

1999 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

Parts per hundred million (pphm)

NSW GOV'T LONG TERM GOAL: 1-hour average = 8 pphm

1-HOUR CLOCK AVERAGE

4-hour average = 6 pphm

MONITORING SITE

JUL

AUG

SEP

Lower Hunter region (Cont'd)

WALLSEND

Swimming Pool

Frances St

ALL HOURS IN MONTH:

% Sampling Time

96

72

89

Average

1.2

1.2

1.7

DAILY 1-HOUR MAXIMA:

Monthly Average

2.4

2.7

3.5

90-percentile Value

3.1

3.2

4.2

Maximum 1-hour Value

3.4

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)

*** Data not available

1999 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				
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	91	91	96
	Average	1.9	2.1	2.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.9	3.1	3.1
	90-percentile Value	3.6	3.7	4.1
	Maximum 1-hour Value	4.1	4.9	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
LIDCOMBE				
EPA Laboratories				
Weeroona Rd	ALL HOURS IN MONTH:			
	% Sampling Time	93	94	96
	Average	2.0	2.0	1.9
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.1	3.4	3.3
	90-percentile Value	4.1	4.2	4.4
	Maximum 1-hour Value	4.4	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
LINDFIELD				
Bradfield Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	44	87	84
	Average	1.4	1.5	1.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.3	2.7	2.5
	90-percentile Value	3.1	3.4	3.3
	Maximum 1-hour Value	3.3	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

*** Data not available

1999 Data

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

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

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE	JUL	AUG	SEP
Central East Sydney region (Cont'd)			
RANDWICK			
Randwick Barracks			
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:		
	% Sampling Time	85	93
	Average	1.7	1.6
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	2.8	3.0
	90-percentile Value	3.6	4.0
	Maximum 1-hour Value	4.6	4.3
	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	93	48
	Average	1.8	2.0
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	2.9	2.8
	90-percentile Value	3.7	3.8
	Maximum 1-hour Value	4.2	4.6
	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
WOOLLOOWARE			
Woollooware Rd			
	ALL HOURS IN MONTH:		
	% Sampling Time	88	89
	Average	1.0	1.3
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	2.1	2.7
	90-percentile Value	2.7	4.2
	Maximum 1-hour Value	3.6	5.4
	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

*** Data not available

1999 Data

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

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

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE	JUL	AUG	SEP
North West Sydney region			
BLACKTOWN			
Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	92	89	85
Average	1.6	1.7	1.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.8	2.9	3.1
90-percentile Value	3.5	3.5	3.8
Maximum 1-hour Value	4.5	3.8	4.5
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0
RICHMOND			
University Of Western Sydney			
Vines Rd			
ALL HOURS IN MONTH:			
% Sampling Time	90	92	90
Average	0.7	0.8	0.9
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.7	2.0	2.1
90-percentile Value	2.4	2.6	2.9
Maximum 1-hour Value	2.6	2.9	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
ST MARYS			
Mamre Rd			
ALL HOURS IN MONTH:			
% Sampling Time	91	77	83
Average	0.8	1.0	1.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.9	2.2	2.1
90-percentile Value	2.5	3.0	2.9
Maximum 1-hour Value	2.8	3.2	4.0
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0

*** Data not available

1999 Data

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

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

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

MONITORING SITE		JUL	AUG	SEP
North West Sydney region (Cont'd)				
VINEYARD				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	92	90	91
	Average	1.0	1.1	1.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.4	2.4	2.4
	90-percentile Value	3.2	3.2	3.3
	Maximum 1-hour Value	3.5	3.8	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
WENTWORTH FALLS				
Bodington Hospital				
Bodington Drv	ALL HOURS IN MONTH:			
	% Sampling Time	64	90	***
	Average	0.3	0.3	***
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.7	0.9	***
	90-percentile Value	1.6	1.7	***
	Maximum 1-hour Value	1.8	2.4	***
	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	***
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	71	79	92
	Average	1.5	1.7	1.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.6	3.0	3.1
	90-percentile Value	3.1	3.5	4.0
	Maximum 1-hour Value	3.4	3.7	4.6
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0

*** Data not available

1999 Data

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

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

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE	JUL	AUG	SEP
South West Sydney region			
BARGO			
Silica Rd			
ALL HOURS IN MONTH:			
% Sampling Time	91	92	91
Average	0.8	1.0	0.9
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.0	2.4	2.3
90-percentile Value	2.7	3.0	3.1
Maximum 1-hour Value	2.8	3.4	4.4
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0
BRINGELLY			
Ramsay Rd			
ALL HOURS IN MONTH:			
% Sampling Time	91	89	82
Average	0.7	0.9	0.9
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.7	2.1	2.0
90-percentile Value	2.3	3.4	2.7
Maximum 1-hour Value	2.5	3.8	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
CAMDEN			
Camden Airport			
Aerodrome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	91	90	90
Average	0.5	0.8	0.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.4	2.1	1.8
90-percentile Value	2.2	3.4	2.9
Maximum 1-hour Value	2.6	3.6	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

*** Data not available

1999 Data

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

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

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
South West Sydney region (Cont'd)				
CAMPBELLTOWN #				
Kanbyugal Reserve				
Cronulla Cres.	ALL HOURS IN MONTH:			
	% Sampling Time	55	93	92
	Average	***	***	***
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.6	3.0	2.9
	90-percentile Value	2.9	3.9	4.1
	Maximum 1-hour Value	4.0	4.3	5.2
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
LIVERPOOL				
Rose St				
	ALL HOURS IN MONTH:			
	% Sampling Time	90	87	92
	Average	1.5	1.8	1.8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.8	3.2	3.3
	90-percentile Value	3.3	3.7	4.3
	Maximum 1-hour Value	4.2	4.0	5.2
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
OAKDALE				
Ridge Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	89	89	70
	Average	0.3	0.3	0.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.6	1.0	0.7
	90-percentile Value	1.1	2.1	1.4
	Maximum 1-hour Value	2.2	3.4	2.6
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0

*** Data not available

1999 Data

These are industry supplied data and have not undergone EPA QA/QC procedures

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

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

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE	JUL	AUG	SEP
Illawarra region			
ALBION PARK			
Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	90	89	89
Average	0.3	0.6	0.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.9	1.6	1.6
90-percentile Value	1.6	3.3	3.8
Maximum 1-hour Value	2.9	4.2	4.6
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0
KEMBLA GRANGE			
Kembla Grange Racecourse			
Princes Hwy			
ALL HOURS IN MONTH:			
% Sampling Time	90	90	86
Average	0.7	1.0	1.0
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.7	2.1	2.1
90-percentile Value	2.3	3.0	3.9
Maximum 1-hour Value	2.7	3.3	4.5
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	83	92	92
Average	1.1	1.3	1.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.1	2.7	2.4
90-percentile Value	2.9	3.5	3.6
Maximum 1-hour Value	3.3	5.4	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

*** Data not available

1999 Data

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

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

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE	JUL	AUG	SEP
<i>Illawarra region (Cont'd)</i>			
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	86	92	91
Average	1.3	1.4	1.3
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.5	2.9	2.7
90-percentile Value	3.0	3.7	3.4
Maximum 1-hour Value	4.9	4.8	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
<i>Lower Hunter region</i>			
BERESFIELD			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	92	91	89
Average	1.2	1.2	1.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.3	2.4	2.2
90-percentile Value	2.8	3.1	2.9
Maximum 1-hour Value	3.1	3.8	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
NEWCASTLE			
Athletics Field			
Smith St			
ALL HOURS IN MONTH:			
% Sampling Time	88	92	87
Average	1.4	1.3	1.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.6	2.5	2.4
90-percentile Value	3.6	3.3	3.1
Maximum 1-hour Value	3.9	4.1	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

*** Data not available

1999 Data

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

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

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

MONITORING SITE		JUL	AUG	SEP
Lower Hunter region (Cont'd)				
WALLSEND				
Swimming Pool				
Frances St	ALL HOURS IN MONTH:			
	% Sampling Time	92	92	88
	Average	0.9	1.0	1.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.9	2.1	2.1
	90-percentile Value	2.4	2.8	2.9
	Maximum 1-hour Value	3.2	3.3	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

1999 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							
EARLWOOD							
Beaman Park							
Riverview Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	91	91	91	91	96	96
	Average	9.1	7.2	8.5	6.4	6.0	4.1
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	27.4	25.0	24.3	21.9	15.7	13.6
	90-percentile Value	51.1	48.3	42.0	39.3	27.6	25.4
	Maximum 1-hour Value	61.2	57.5	51.5	48.3	33.3	30.9
LIDCOMBE							
EPA Laboratories							
Weeroona Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	93	93	94	94	96	96
	Average	6.2	4.2	5.4	3.5	4.3	2.5
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	16.5	13.8	15.7	13.0	13.4	10.6
	90-percentile Value	30.2	26.9	23.8	21.4	23.8	20.4
	Maximum 1-hour Value	37.9	33.9	31.0	26.5	29.6	25.4
LINDFIELD							
Bradfield Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	44	44	87	87	84	84
	Average	4.6	3.1	3.4	1.9	2.4	1.1
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	11.9	10.0	10.2	8.1	7.1	5.0
	90-percentile Value	20.9	19.5	18.6	16.1	11.0	8.6
	Maximum 1-hour Value	22.6	21.2	23.2	20.3	15.2	13.7
RANDWICK							
Randwick Barracks							
Cnr Avoca & Bundock Sts							
	ALL HOURS IN MONTH:						
	% Sampling Time	85	85	93	93	95	95
	Average	5.3	3.6	3.8	2.3	2.7	1.4
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	14.2	11.7	12.1	9.6	8.7	6.3
	90-percentile Value	30.6	27.7	19.2	16.8	17.4	14.6
	Maximum 1-hour Value	36.6	33.3	25.7	22.5	17.8	16.1
ROZELLE							
Rozelle Hospital							
Balmain Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	93	93	48	48	89	89
	Average	5.7	3.9	5.4	3.4	4.0	2.1
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	16.4	13.7	12.2	9.7	10.6	7.8
	90-percentile Value	31.0	27.1	25.2	22.3	17.8	15.3
	Maximum 1-hour Value	36.3	32.5	25.6	22.5	25.2	20.8

*** Data not available

1999 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)						
WOOLOOWARE						
Woollooware Rd						
ALL HOURS IN MONTH:						
% Sampling Time	88	88	89	89	93	93
Average	3.5	2.4	3.1	1.8	2.5	1.2
DAILY 1-HOUR MAXIMA:						
Monthly Average	11.3	9.5	10.1	8.0	6.7	4.6
90-percentile Value	23.9	22.2	18.7	16.5	11.1	8.5
Maximum 1-hour Value	32.3	30.1	22.9	20.9	23.3	20.0
North West Sydney region						
BLACKTOWN						
Flushcombe Rd						
ALL HOURS IN MONTH:						
% Sampling Time	92	92	89	89	85	85
Average	5.0	3.4	3.9	2.2	3.6	2.0
DAILY 1-HOUR MAXIMA:						
Monthly Average	14.4	11.9	11.7	9.3	11.7	9.3
90-percentile Value	23.8	21.3	19.7	17.1	19.1	15.9
Maximum 1-hour Value	37.6	35.2	23.1	19.7	33.8	29.6
RICHMOND						
University Of Western Sydney						
Vines Rd						
ALL HOURS IN MONTH:						
% Sampling Time	90	90	92	92	90	90
Average	1.8	1.0	1.6	0.8	1.3	0.5
DAILY 1-HOUR MAXIMA:						
Monthly Average	4.6	3.5	4.2	3.0	3.1	1.7
90-percentile Value	7.2	6.6	6.2	5.5	4.8	3.3
Maximum 1-hour Value	9.2	7.5	8.5	5.7	7.9	5.4
ST MARYS						
Mamre Rd						
ALL HOURS IN MONTH:						
% Sampling Time	91	91	77	77	83	83
Average	3.0	2.2	2.7	1.7	1.8	0.8
DAILY 1-HOUR MAXIMA:						
Monthly Average	10.7	9.5	9.1	7.5	4.6	3.2
90-percentile Value	20.1	18.7	15.1	14.1	7.8	5.7
Maximum 1-hour Value	34.4	32.3	19.3	17.7	8.2	6.8
VINEYARD						
Castle Hill STP						
Bandon Rd						
ALL HOURS IN MONTH:						
% Sampling Time	92	92	90	90	91	91
Average	2.3	1.2	1.8	0.7	1.5	0.5
DAILY 1-HOUR MAXIMA:						
Monthly Average	5.9	4.1	4.9	3.2	3.9	2.2
90-percentile Value	9.6	7.4	9.2	7.0	6.0	4.8
Maximum 1-hour Value	11.0	8.4	12.0	9.7	7.1	5.4

*** Data not available

1999 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)							
WENTWORTH FALLS							
Bodington Hospital							
Bodington Drv	ALL HOURS IN MONTH:						
	% Sampling Time	64	64	90	90	***	***
	Average	0.5	0.2	0.4	0.1	***	***
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	1.3	0.5	1.2	0.3	***	***
	90-percentile Value	2.5	1.2	2.1	0.7	***	***
	Maximum 1-hour Value	3.7	1.8	3.0	0.9	***	***
WESTMEAD							
Westmead Hospital							
Hainsworth St	ALL HOURS IN MONTH:						
	% Sampling Time	71	71	79	79	92	92
	Average	6.8	5.3	5.8	4.2	4.7	3.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	18.1	16.2	15.8	13.7	14.7	12.7
	90-percentile Value	30.0	28.4	26.8	24.8	24.4	21.8
	Maximum 1-hour Value	37.9	36.4	31.0	28.4	41.2	39.3
South West Sydney region							
BARGO							
Silica Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	91	91	92	92	91	91
	Average	2.0	1.1	2.4	1.3	1.9	1.0
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	8.5	6.6	9.4	7.1	8.4	6.3
	90-percentile Value	16.7	14.9	19.0	16.3	17.5	14.3
	Maximum 1-hour Value	23.6	20.8	23.8	20.8	20.8	17.6
BRINGELLY							
Ramsay Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	91	91	89	89	82	82
	Average	1.9	1.2	1.9	1.0	1.5	0.6
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	5.1	4.0	4.4	3.1	3.3	1.9
	90-percentile Value	8.5	7.3	6.2	4.8	5.8	3.9
	Maximum 1-hour Value	9.6	8.3	6.5	5.5	6.1	4.4
CAMDEN							
Camden Airport							
Aerodrome Rd	ALL HOURS IN MONTH:						
	% Sampling Time	91	91	90	90	90	90
	Average	1.2	0.6	1.5	0.7	1.1	0.5
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	3.6	2.7	4.4	3.1	3.2	2.2
	90-percentile Value	5.9	5.0	6.5	5.4	6.2	5.1
	Maximum 1-hour Value	7.4	6.3	7.6	6.3	8.9	7.7

*** Data not available

1999 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)							
CAMPBELLTOWN #							
Kanbyugal Reserve							
Cronulla Cres.	ALL HOURS IN MONTH:						
	% Sampling Time	55	55	93	93	92	92
	Average	***	***	***	***	***	***
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	13.0	10.6	13.0	10.3	10.4	7.9
	90-percentile Value	22.6	19.9	19.3	16.6	19.5	17.7
	Maximum 1-hour Value	25.1	22.1	29.9	26.0	25.8	21.6
LIVERPOOL							
Rose St							
	ALL HOURS IN MONTH:						
	% Sampling Time	90	90	87	87	92	92
	Average	6.2	4.6	6.6	4.8	5.1	3.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	20.5	18.0	21.5	18.9	16.8	14.2
	90-percentile Value	37.4	34.5	35.4	32.6	31.8	28.5
	Maximum 1-hour Value	43.0	40.3	52.5	49.0	39.6	35.8
OAKDALE							
Ridge Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	89	89	89	89	70	70
	Average	0.3	0.1	0.4	0.1	0.3	0.1
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	0.8	0.3	1.1	0.4	0.8	0.3
	90-percentile Value	1.5	0.6	2.0	0.7	1.4	0.5
	Maximum 1-hour Value	2.3	2.2	3.8	1.8	2.6	0.7
Illawarra region							
ALBION PARK							
Croome Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	90	90	89	89	89	89
	Average	0.3	0.1	0.7	0.2	0.8	0.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	1.3	0.5	2.4	1.1	2.2	0.7
	90-percentile Value	2.8	1.3	5.4	2.8	6.3	2.0
	Maximum 1-hour Value	4.9	3.2	6.3	4.3	7.3	3.6
KEMBLA GRANGE							
Kembla Grange Racecourse							
Princes Hwy	ALL HOURS IN MONTH:						
	% Sampling Time	90	90	90	90	86	86
	Average	1.7	0.9	1.8	0.8	1.6	0.6
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	5.7	4.3	6.5	4.8	4.9	3.2
	90-percentile Value	14.2	12.3	14.5	12.5	8.8	7.0
	Maximum 1-hour Value	20.1	18.2	18.3	16.2	17.3	15.1

*** Data not available

1999 Data

These are industry supplied data and have not undergone EPA QA/QC procedures

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)						
WARRAWONG						
Carlotta Cres						
ALL HOURS IN MONTH:						
% Sampling Time						
	83	83	92	92	92	92
Average						
	2.1	1.0	2.3	1.0	1.6	0.6
DAILY 1-HOUR MAXIMA:						
Monthly Average						
	6.4	4.5	6.6	4.4	4.6	2.4
90-percentile Value						
	13.1	10.7	11.0	8.6	8.7	5.7
Maximum 1-hour Value						
	22.9	20.9	15.9	12.8	15.9	12.2
WOLLONGONG						
Gipps St						
ALL HOURS IN MONTH:						
% Sampling Time						
	86	86	92	92	91	91
Average						
	3.5	2.2	3.2	1.8	2.5	1.2
DAILY 1-HOUR MAXIMA:						
Monthly Average						
	13.0	10.7	12.6	10.1	8.7	6.4
90-percentile Value						
	26.3	24.0	25.9	23.4	17.4	13.7
Maximum 1-hour Value						
	43.3	39.7	29.0	26.4	24.8	20.7
Lower Hunter region						
BERESFIELD						
Francis Greenway						
High School						
ALL HOURS IN MONTH:						
% Sampling Time						
	92	92	91	91	89	89
Average						
	2.9	1.7	3.2	1.9	2.3	1.2
DAILY 1-HOUR MAXIMA:						
Monthly Average						
	7.9	6.1	9.5	7.5	7.4	5.7
90-percentile Value						
	14.7	12.5	15.6	13.1	13.4	11.4
Maximum 1-hour Value						
	19.2	17.7	17.2	14.5	16.3	14.2
NEWCASTLE						
Athletics Field						
Smith St						
ALL HOURS IN MONTH:						
% Sampling Time						
	88	88	92	92	87	87
Average						
	3.7	2.4	3.1	2.0	2.1	1.0
DAILY 1-HOUR MAXIMA:						
Monthly Average						
	10.4	8.2	9.4	7.4	6.4	4.3
90-percentile Value						
	20.4	18.3	17.6	15.3	10.7	8.5
Maximum 1-hour Value						
	30.5	27.7	25.7	23.0	20.0	17.4
WALLSEND						
Swimming Pool						
Frances St						
ALL HOURS IN MONTH:						
% Sampling Time						
	92	92	92	92	88	88
Average						
	2.8	1.8	2.5	1.4	1.9	0.9
DAILY 1-HOUR MAXIMA:						
Monthly Average						
	8.5	6.9	7.5	5.9	5.5	3.9
90-percentile Value						
	17.8	15.8	13.4	11.7	10.3	8.3
Maximum 1-hour Value						
	19.9	18.6	18.8	17.8	16.5	13.6

*** Data not available

1999 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				
EARLWOOD				
Beaman Park				
Riverview Rd				
	% Sampling Time	99	99	97
	Monthly Average	0.4	0.3	0.3
	90-percentile Value	0.9	0.8	0.6
	Maximum 24-hour Average	1.2	0.8	0.7
	Maximum 1-hour Value	2.8	1.9	1.6
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts				
	% Sampling Time	98	96	99
	Monthly Average	0.2	0.2	0.3
	90-percentile Value	0.3	0.3	0.5
	Maximum 24-hour Average	0.4	0.3	0.5
	Maximum 1-hour Value	1.1	0.8	1.5
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	% Sampling Time	98	89	92
	Monthly Average	0.3	0.1	0.2
	90-percentile Value	0.7	0.3	0.4
	Maximum 24-hour Average	1.1	0.2	0.5
	Maximum 1-hour Value	2.7	0.6	1.3
WOOLOOWARE				
Woolooware Rd				
	% Sampling Time	84	99	99
	Monthly Average	0.3	0.3	0.2
	90-percentile Value	0.6	0.5	0.3
	Maximum 24-hour Average	0.5	0.6	0.6
	Maximum 1-hour Value	1.7	1.5	1.0
North West Sydney region				
BLACKTOWN				
Flushcombe Rd				
	% Sampling Time	96	99	98
	Monthly Average	0.4	0.3	0.4
	90-percentile Value	1.0	0.7	0.7
	Maximum 24-hour Average	0.8	0.6	0.8
	Maximum 1-hour Value	2.6	1.4	2.3

*** Data not available

1999 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)				
RICHMOND				
University Of Western Sydney				
Vines Rd				
	% Sampling Time	92	82	93
	Monthly Average	0.3	0.3	0.3
	90-percentile Value	0.7	0.5	0.5
	Maximum 24-hour Average	0.7	0.4	1.3
	Maximum 1-hour Value	1.7	1.0	4.6
ST MARYS				
Mamre Rd				
	% Sampling Time	99	86	66
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.4	0.4	0.4
	Maximum 24-hour Average	0.4	0.4	1.7
	Maximum 1-hour Value	1.1	1.2	5.3
WENTWORTH FALLS				
Bodington Hospital				
Bodington Drv				
	% Sampling Time	70	98	***
	Monthly Average	0.2	0.2	***
	90-percentile Value	0.3	0.3	***
	Maximum 24-hour Average	0.3	0.3	***
	Maximum 1-hour Value	0.8	1.0	***
WESTMEAD				
Westmead Hospital				
Hainsworth St				
	% Sampling Time	74	98	80
	Monthly Average	0.2	0.3	0.3
	90-percentile Value	0.5	0.7	0.5
	Maximum 24-hour Average	0.4	0.7	0.6
	Maximum 1-hour Value	1.2	1.5	2.0
South West Sydney region				
BARGO				
Silica Rd				
	% Sampling Time	99	99	99
	Monthly Average	0.2	0.2	0.5
	90-percentile Value	0.4	0.5	0.8
	Maximum 24-hour Average	0.4	0.4	2.7
	Maximum 1-hour Value	2.4	1.7	10.2

*** Data not available

1999 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)			
BRINGELLY			
Ramsay Rd			
% Sampling Time	99	99	71
Monthly Average	0.3	0.3	0.3
90-percentile Value	0.6	0.5	0.5
Maximum 24-hour Average	0.6	0.4	0.6
Maximum 1-hour Value	1.2	2.4	1.7
LIVERPOOL			
Rose St			
% Sampling Time	99	99	93
Monthly Average	0.4	0.4	0.3
90-percentile Value	0.9	0.8	0.5
Maximum 24-hour Average	0.8	0.8	0.7
Maximum 1-hour Value	1.9	2.0	1.3
OAKDALE			
Ridge Rd			
% Sampling Time	98	92	99
Monthly Average	0.1	0.1	0.3
90-percentile Value	0.2	0.3	0.5
Maximum 24-hour Average	0.2	0.3	0.9
Maximum 1-hour Value	0.8	0.9	4.3
Illawarra region			
ALBION PARK			
Croome Rd			
% Sampling Time	98	97	97
Monthly Average	0.1	0.2	0.3
90-percentile Value	0.2	0.3	0.5
Maximum 24-hour Average	0.2	0.4	0.9
Maximum 1-hour Value	0.5	1.1	1.8
KEMBLA GRANGE			
Kembla Grange Racecourse			
Princes Hwy			
% Sampling Time	98	99	99
Monthly Average	0.2	0.2	0.3
90-percentile Value	0.3	0.4	0.5
Maximum 24-hour Average	0.3	0.4	0.6
Maximum 1-hour Value	0.7	1.1	1.2

*** Data not available

1999 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
Illawarra region (Cont'd)				
WOLLONGONG				
Gipps St				
	% Sampling Time	94	99	98
	Monthly Average	0.2	0.3	0.3
	90-percentile Value	0.4	0.4	0.5
	Maximum 24-hour Average	0.5	0.4	0.5
	Maximum 1-hour Value	1.1	1.3	1.0
Lower Hunter region				
BERESFIELD				
Francis Greenway				
High School				
	% Sampling Time	99	99	92
	Monthly Average	0.3	0.3	0.3
	90-percentile Value	0.6	0.6	0.6
	Maximum 24-hour Average	0.6	0.6	0.8
	Maximum 1-hour Value	1.6	1.6	1.3
NEWCASTLE				
Athletics Field				
Smith St				
	% Sampling Time	99	99	92
	Monthly Average	0.3	0.4	0.4
	90-percentile Value	0.6	0.7	0.7
	Maximum 24-hour Average	0.7	0.8	0.8
	Maximum 1-hour Value	2.2	1.8	2.3
WALLSEND				
Swimming Pool				
Frances St				
	% Sampling Time	98	99	93
	Monthly Average	0.3	0.3	0.3
	90-percentile Value	0.8	0.7	0.6
	Maximum 24-hour Average	0.7	0.6	0.7
	Maximum 1-hour Value	2.2	1.7	1.3
Central Tablelands region				
LITHGOW				
Main St				
	% Sampling Time	99	99	67
	Monthly Average	0.7	0.7	0.5
	90-percentile Value	1.7	1.8	1.2
	Maximum 24-hour Average	1.6	1.4	1.2
	Maximum 1-hour Value	4.8	5.8	3.2

*** Data not available

1999 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
Central Tablelands region (Cont'd)				
ORANGE				
Calare Public School				
Wentworth Lane	% Sampling Time	100	99	99
	Monthly Average	1.1	0.7	0.4
	90-percentile Value	3.5	2.1	1.2
	Maximum 24-hour Average	3.8	2.2	1.6
	Maximum 1-hour Value	9.7	7.6	4.7
Southern Tablelands region				
COOMA				
Swimming Pool				
Smith St	% Sampling Time	***	***	98
	Monthly Average	***	***	0.6
	90-percentile Value	***	***	1.4
	Maximum 24-hour Average	***	***	1.4
	Maximum 1-hour Value	***	***	3.7
Riverina region				
GRIFFITH				
Griffith Base Hospital				
Animoo St	% Sampling Time	100	84	76
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.5	0.6	0.2
	Maximum 24-hour Average	0.7	0.7	0.4
	Maximum 1-hour Value	1.9	2.6	2.0

*** Data not available

1999 Data

TABLE 4.2

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

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

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
EARLWOOD				
Beaman Park				
Riverview Rd				
	Number of Samples	4	5	4
	Monthly Average	25	28	35
	Highest Value	31	38	47
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	Number of Samples	5	5	5
	Monthly Average	29	25	30
	Highest Value	41	38	40
Illawarra region				
PORT KEMBLA				
Cnr Church & Kembla Sts				
	Number of Samples	5	5	5
	Monthly Average	21	24	31
	Highest Value	47	36	38
PORT KEMBLA				
Fire Station				
Military Road				
	Number of Samples	5	5	5
	Monthly Average	35	40	47
	Highest Value	66	60	57
WARRAWONG				
Carlotta Cres				
	Number of Samples	5	***	***
	Monthly Average	26	***	***
	Highest Value	46	***	***

*** Data not available

1999 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	4
	Monthly Average	19	16	21
	Highest Value	26	26	26
LINDFIELD				
Bradfield Rd				
	Number of Samples	5	4	5
	Monthly Average	15	15	18
	Highest Value	20	23	24
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	Number of Samples	5	5	5
	Monthly Average	18	16	20
	Highest Value	25	26	25
North West Sydney region				
BLACKTOWN				
Flushcombe Rd				
	Number of Samples	5	5	5
	Monthly Average	20	16	21
	Highest Value	33	28	26
RICHMOND				
University Of Western Sydney				
Vines Rd				
	Number of Samples	4	3	5
	Monthly Average	19	17	15
	Highest Value	27	31	17
Illawarra region				
ALBION PARK				
Croome Rd				
	Number of Samples	5	5	5
	Monthly Average	7	9	20
	Highest Value	10	12	31
KEMBLA GRANGE				
Kembla Grange Racecourse				
Princes Hwy				
	Number of Samples	5	5	5
	Monthly Average	10	13	21
	Highest Value	14	19	28

*** Data not available

1999 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	***	5	5
	Monthly Average	***	10	14
	Highest Value	***	13	17
WOLLONGONG				
Gipps St				
	Number of Samples	4	5	5
	Monthly Average	9	10	13
	Highest Value	13	14	17
Lower Hunter region				
BERESFIELD				
Francis Greenway				
High School				
	Number of Samples	5	5	5
	Monthly Average	14	15	20
	Highest Value	19	30	30
NEWCASTLE				
Athletics Field				
Smith St				
	Number of Samples	5	5	5
	Monthly Average	17	19	21
	Highest Value	20	35	25
WALLSEND				
Swimming Pool				
Frances St				
	Number of Samples	5	5	5
	Monthly Average	14	15	18
	Highest Value	17	24	20
South Coast region				
NOWRA				
Sewerage Plant				
	Number of Samples	5	5	2
	Monthly Average	7	8	10
	Highest Value	8	10	11

*** Data not available

1999 Data

TABLE 4.4

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

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

**NEPM STANDARD LEVEL:
24-hour average = 50 $\mu\text{g}/\text{m}^3$**

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	40	97	94
	Average	17	15	14
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	39	32	28
	90-percentile Value	62	46	39
	Maximum 1-hour Value	64	55	63
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
LIDCOMBE				
EPA Laboratories				
Weeroona Rd	ALL HOURS IN MONTH:			
	% Sampling Time	78	62	85
	Average	19	19	19
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	38	44	36
	90-percentile Value	61	56	50
	Maximum 1-hour Value	77	210	83
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
LINDFIELD				
Bradfield Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	97	93	99
	Average	12	13	15
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	24	25	26
	90-percentile Value	35	33	36
	Maximum 1-hour Value	39	42	54
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
RANDWICK				
Randwick Barracks				
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:			
	% Sampling Time	98	99	99
	Average	16	16	19
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	29	31	33
	90-percentile Value	42	43	47
	Maximum 1-hour Value	59	47	69
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0

*** Data not available

1999 Data

TABLE 4.4 (Cont'd)

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

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

1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL:
24-hour average = 50 $\mu\text{g}/\text{m}^3$**

MONITORING SITE	JUL	AUG	SEP
Central East Sydney region (Cont'd)			
WOOLOOWARE			
Woollooware Rd			
ALL HOURS IN MONTH:			
% Sampling Time	99	99	100
Average	13	13	18
DAILY 1-HOUR MAXIMA:			
Monthly Average	27	26	32
90-percentile Value	41	38	52
Maximum 1-hour Value	48	44	60
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
North West Sydney region			
BLACKTOWN			
Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	99	100	94
Average	15	16	14
DAILY 1-HOUR MAXIMA:			
Monthly Average	32	30	31
90-percentile Value	49	39	49
Maximum 1-hour Value	66	55	77
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
RICHMOND			
University Of Western Sydney			
Vines Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	99	92
Average	12	13	16
DAILY 1-HOUR MAXIMA:			
Monthly Average	30	38	34
90-percentile Value	53	71	45
Maximum 1-hour Value	86	110	89
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
ST MARYS			
Mamre Rd			
ALL HOURS IN MONTH:			
% Sampling Time	100	82	90
Average	11	13	16
DAILY 1-HOUR MAXIMA:			
Monthly Average	28	31	36
90-percentile Value	45	46	49
Maximum 1-hour Value	58	53	129
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	1

*** Data not available

1999 Data

TABLE 4.4 (Cont'd)

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

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

1-HOUR CLOCK AVERAGE

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

MONITORING SITE		JUL	AUG	SEP
North West Sydney region (Cont'd)				
VINEYARD				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	100	98	99
	Average	13	13	16
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	28	30	33
	90-percentile Value	47	61	56
	Maximum 1-hour Value	54	96	91
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	74	92	100
	Average	14	17	17
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	32	33	35
	90-percentile Value	50	53	48
	Maximum 1-hour Value	65	65	89
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
South West Sydney region				
BRINGELLY				
Ramsay Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	100	92	92
	Average	12	15	16
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	28	33	32
	90-percentile Value	43	48	49
	Maximum 1-hour Value	51	64	94
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
CAMPBELLTOWN				
Kanbyugal Reserve				
Cronulla Cres.	ALL HOURS IN MONTH:			
	% Sampling Time	99	98	97
	Average	14	16	18
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	31	36	37
	90-percentile Value	47	55	52
	Maximum 1-hour Value	59	91	77
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0

*** Data not available

1999 Data

TABLE 4.4 (Cont'd)

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

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

1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL:
24-hour average = 50 $\mu\text{g}/\text{m}^3$**

MONITORING SITE	JUL	AUG	SEP
South West Sydney region (Cont'd)			
LIVERPOOL			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	99	98	89
Average	16	18	18
DAILY 1-HOUR MAXIMA:			
Monthly Average	40	47	36
90-percentile Value	66	84	50
Maximum 1-hour Value	95	116	95
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
Illawarra region			
ALBION PARK			
Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	95	95
Average	7	11	16
DAILY 1-HOUR MAXIMA:			
Monthly Average	23	32	49
90-percentile Value	42	58	109
Maximum 1-hour Value	69	75	162
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	81	100	99
Average	13	14	18
DAILY 1-HOUR MAXIMA:			
Monthly Average	33	33	36
90-percentile Value	51	51	57
Maximum 1-hour Value	60	61	76
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	99	99	99
Average	13	16	19
DAILY 1-HOUR MAXIMA:			
Monthly Average	31	39	43
90-percentile Value	48	74	76
Maximum 1-hour Value	88	84	95
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0

*** Data not available

1999 Data

TABLE 4.4 (Cont'd)

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

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

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

MONITORING SITE		JUL	AUG	SEP
Lower Hunter region				
BERESFIELD				
Francis Greenway				
High School				
	ALL HOURS IN MONTH:			
	% Sampling Time	100	100	93
	Average	16	17	21
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	30	42	53
	90-percentile Value	53	79	111
	Maximum 1-hour Value	58	140	140
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
WALLSEND				
Swimming Pool				
Frances St				
	ALL HOURS IN MONTH:			
	% Sampling Time	100	99	90
	Average	15	17	19
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	30	35	42
	90-percentile Value	43	48	68
	Maximum 1-hour Value	62	66	89
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0

*** Data not available

1999 Data

TABLE 4.5

PARTICULATE MATTER: BY TAPERED ELEMENT

OSCILLATING MICROBALANCE (TEOM-PM_{2.5})Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)

1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	64	99	98
	Average	13	12	11
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	29	26	19
	90-percentile Value	52	36	26
	Maximum 1-hour Value	57	41	41
LIDCOMBE				
EPA Laboratories				
Weeroona Rd	ALL HOURS IN MONTH:			
	% Sampling Time	98	94	99
	Average	12	11	12
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	23	23	23
	90-percentile Value	39	33	40
	Maximum 1-hour Value	40	41	51
WOOLOOWARE				
Woolooware Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	99	99	99
	Average	8	8	10
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	18	17	16
	90-percentile Value	29	26	23
	Maximum 1-hour Value	32	27	35
North West Sydney region				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	97	99	94
	Average	6	6	8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	13	13	17
	90-percentile Value	20	20	26
	Maximum 1-hour Value	31	31	74
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	77	96	100
	Average	11	11	11
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	25	23	22
	90-percentile Value	37	36	28
	Maximum 1-hour Value	54	45	52

*** Data not available

1999 Data

TABLE 4.5 (Cont'd)

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

Micrograms per cubic metre at 0° Celsius ($\mu\text{g}/\text{m}^3$ 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	99	99	99
Average	10	11	10
DAILY 1-HOUR MAXIMA:			
Monthly Average	26	26	21
90-percentile Value	44	38	36
Maximum 1-hour Value	51	51	51
Illawarra region			
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	96	100	99
Average	7	8	9
DAILY 1-HOUR MAXIMA:			
Monthly Average	15	17	17
90-percentile Value	24	25	28
Maximum 1-hour Value	28	31	31
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	99	100	99
Average	7	8	9
DAILY 1-HOUR MAXIMA:			
Monthly Average	16	15	15
90-percentile Value	22	22	26
Maximum 1-hour Value	36	26	33
Lower Hunter region			
BERESFIELD			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	100	100	93
Average	10	9	10
DAILY 1-HOUR MAXIMA:			
Monthly Average	19	21	19
90-percentile Value	31	32	29
Maximum 1-hour Value	37	55	34
WALLSEND			
Swimming Pool			
Frances St			
ALL HOURS IN MONTH:			
% Sampling Time	98	99	93
Average	8	9	10
DAILY 1-HOUR MAXIMA:			
Monthly Average	19	20	19
90-percentile Value	31	27	30
Maximum 1-hour Value	36	34	37

*** Data not available

1999 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	49	87	93
Average	0.1	0.2	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.7	0.9	0.5
90-percentile Value	1.5	1.6	1.0
Maximum 1-hour Value	1.6	2.1	1.3
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	90	92	95
Average	0.2	0.2	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.7	0.6	0.6
90-percentile Value	1.3	1.2	1.2
Maximum 1-hour Value	2.9	1.9	2.1
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
WOOLOOWARE			
Woolooware Rd			
ALL HOURS IN MONTH:			
% Sampling Time	88	89	96
Average	0.1	0.1	0.0
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.2	0.4	0.1
90-percentile Value	0.4	0.7	0.2
Maximum 1-hour Value	0.7	2.6	1.6
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	92	92	91
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.3	0.4	0.4
90-percentile Value	0.5	0.7	0.7
Maximum 1-hour Value	0.7	1.3	0.8
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)

*** Data not available

1999 Data

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

TABLE 5 (Cont'd)
SULFUR DIOXIDE (SO₂)

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

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
North West Sydney region (Cont'd)				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	89	91	90
	Average	0.0	0.0	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.1	0.2	1.1
	90-percentile Value	0.3	0.3	1.8
	Maximum 1-hour Value	0.6	0.6	1.9
	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	92	61	93
	Average	0.0	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.1	0.2	0.3
	90-percentile Value	0.3	0.5	0.8
	Maximum 1-hour Value	0.3	0.6	1.9
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
South West Sydney region				
BARGO				
Silica Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	87	89
	Average	0.1	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.2	0.2	0.2
	90-percentile Value	0.4	0.5	0.6
	Maximum 1-hour Value	0.4	1.1	0.6
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
BRINGELLY				
Ramsay Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	62	92	80
	Average	0.1	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.1	0.3	0.2
	90-percentile Value	0.2	0.5	0.4
	Maximum 1-hour Value	0.7	0.8	0.5
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)

*** Data not available

1999 Data

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

TABLE 5 (Cont'd)
SULFUR DIOXIDE (SO₂)

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

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE	JUL	AUG	SEP
Illawarra region			
ALBION PARK			
Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	90	90	89
Average	0.0	0.1	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.1	0.4	0.7
90-percentile Value	0.3	1.5	2.2
Maximum 1-hour Value	1.5	1.9	2.9
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	90	92	92
Average	0.1	0.2	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.4	0.7	0.7
90-percentile Value	0.8	1.4	1.7
Maximum 1-hour Value	5.1	3.2	3.9
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	90	92	91
Average	0.2	0.2	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.6	0.7	0.6
90-percentile Value	1.4	1.1	1.2
Maximum 1-hour Value	2.1	4.1	2.8
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	92	88	89
Average	0.2	0.2	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.7	0.8	0.5
90-percentile Value	1.5	2.1	0.9
Maximum 1-hour Value	3.1	3.9	3.0
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)

*** Data not available

1999 Data

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

TABLE 5 (Cont'd)

SULFUR DIOXIDE (SO₂)

NEPM STANDARD LEVEL:

1-hour average = 20 pphm

24-hour average = 8 pphm

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
Lower Hunter region (Cont'd)				
WALLSEND				
Swimming Pool				
Frances St	ALL HOURS IN MONTH:			
	% Sampling Time	92	92	88
	Average	0.3	0.3	0.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.4	1.4	1.3
	90-percentile Value	3.4	2.7	2.3
	Maximum 1-hour Value	4.2	4.2	4.7
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)

*** Data not available

1999 Data

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

TABLE 6
CARBON MONOXIDE (CO)

NEPM STANDARD LEVEL:
8-hour average = 9 ppm

Parts per million (ppm)
1-HOUR CLOCK AVERAGE

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
ROZELLE				
Rozelle Hospital				
Balmain Rd	ALL HOURS IN MONTH:			
	% Sampling Time	36	80	87
	Average	0.8	0.5	0.4
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.6	1.8	1.3
	90-percentile Value	4.4	3.4	2.3
	Maximum 1-hour Value	5.9	4.2	3.2
	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	92	92	91
	Average	0.6	0.4	0.4
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.0	1.7	1.6
	90-percentile Value	3.0	2.8	2.5
	Maximum 1-hour Value	4.9	3.0	4.4
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	0
	No. Days Above Level	0	0	0
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	42	92	94
	Average	0.5	0.5	0.4
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.7	1.9	1.6
	90-percentile Value	3.0	3.0	2.5
	Maximum 1-hour Value	4.7	3.4	4.6
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	0
	No. Days Above Level	0	0	0

*** Data not available

1999 Data

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

NEPM STANDARD LEVEL:
8-hour average = 9 ppm

Parts per million (ppm)
 1-HOUR CLOCK AVERAGE

MONITORING SITE	JUL	AUG	SEP
<i>South West Sydney region</i>			
LIVERPOOL			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	87	75	52
Average	0.8	0.6	0.5
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.7	2.1	1.7
90-percentile Value	4.7	3.5	2.9
Maximum 1-hour Value	5.1	3.8	3.4
NEPM STANDARD LEVEL:			
No.Events Above Level	0	0	0
No. Days Above Level	0	0	0
<i>Illawarra region</i>			
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	90	92	91
Average	0.5	0.4	0.4
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.5	1.4	1.1
90-percentile Value	2.6	2.6	1.8
Maximum 1-hour Value	3.6	2.9	3.3
NEPM STANDARD LEVEL:			
No.Events Above Level	0	0	0
No. Days Above Level	0	0	0
<i>Lower Hunter region</i>			
NEWCASTLE			
Athletics Field			
Smith St			
ALL HOURS IN MONTH:			
% Sampling Time	81	92	87
Average	0.4	0.3	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.6	1.2	0.5
90-percentile Value	2.9	2.4	1.3
Maximum 1-hour Value	4.2	3.2	6.3
NEPM STANDARD LEVEL:			
No.Events Above Level	0	0	0
No. Days Above Level	0	0	0

*** Data not available

1999 Data

TABLE 7

LEAD (Pb)

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

MONITORING SITE		JUL	AUG	SEP
Central East Sydney region				
EARLWOOD				
Beaman Park				
Riverview Rd				
	Number of Samples	4	5	4
	Monthly Average	0.1 *	0.1 *	0.1 *
	Highest Value	0.2	0.1	0.1
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	Number of Samples	5	5	5
	Monthly Average	0.1 *	0.1 *	0.1 *
	Highest Value	0.2	0.1	0.1
Illawarra region				
PORT KEMBLA				
Cnr Church & Kempls Sts				
	Number of Samples	5	5	5
	Monthly Average	0.1 *	0.1 *	0.1 *
	Highest Value	0.1	0.1	0.1
PORT KEMBLA				
Fire Station				
Military Road				
	Number of Samples	5	5	5
	Monthly Average	0.1 *	0.1 *	0.1 *
	Highest Value	0.1	0.1	0.1
WARRAWONG				
Carlotta Cres				
	Number of Samples	5	***	***
	Monthly Average	0.1 *	***	***
	Highest Value	0.1	***	***

*** Data not available

* Average value calculated with some data less than detection limit

TABLE 8

CADMIUM (Cd)

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

24-HOUR CLOCK SAMPLE (6 DAY CYCLE)

MONITORING SITE		JUL	AUG	SEP
<i>Illawarra region</i>				
PORT KEMBLA				
Cnr Church & Kembla Sts				
	Number of Samples	5	5	5
	Monthly Average	<0.02 *	<0.02 *	<0.02 *
	Highest Value	<0.02	<0.02	<0.02
PORT KEMBLA				
Fire Station				
Military Road				
	Number of Samples	5	5	5
	Monthly Average	<0.02 *	<0.02 *	<0.02 *
	Highest Value	<0.02	<0.02	<0.02

*** Data not available

1999 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 Sydney						North Western Sydney					
	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	71	46	16	15	14	28	47	22	13	14	17	24	62	33	14	16	15	28
2	11	14	15	14	19	16	11	13	19	19	17	16	14	14	19	16	19	21
3	17	12	24	16	19	37	40	13	25	14	15	26	23	13	29	22	18	25
4	25	14	24	15	18	30	28	12	22	14	26	39	22	17	30	20	23	21
5	57	19	20	15	16	14	44	15	31	15	16	16	40	23	34	26	17	16
6	45	22	13	13	14	16	37	17	15	13	15	14	29	26	15	13	16	19
7	53	24	25	31	16	14	42	28	13	16	14	13	47	23	20	26	19	15
8	46	18	20	23	14	16	41	12	30	23	14	15	49	17	23	14	14	18
9	40	32	13	14	21	18	21	12	13	13	31	18	32	23	16	15	31	19
10	21	14	11	17	16	15	23	13	16	17	17	13	29	18	16	16	31	18
11	31	14	21	15	15	16	31	13	27	14	12	15	37	26	30	17	12	17
12	20	14	15	22	26	16	25	12	33	23	14	15	26	13	15	16	20	18
13	15	15	15	16	15	16	20	23	17	15	15	16	13	18	15	17	18	19
14	15	15	12	13	15	22	14	14	15	13	14	22	14	13	14	14	18	21
15	16	16	15	15	21	30	15	14	13	14	21	22	15	14	14	15	20	21
16	16	14	17	15	19	22	13	13	21	16	22	23	13	13	25	17	19	126
17	22	12	17	15	23	14	16	12	22	13	26	14	19	14	23	18	47	15
18	42	15	44	28	13	14	37	13	30	25	15	13	34	17	26	21	14	15
19	13	14	35	21	13	21	13	16	46	21	13	17	14	15	21	17	15	28
20	13	14	14	20	21	16	13	13	15	16	20	17	15	16	17	19	25	24
21	13	16	15	15	14	14	12	15	14	16	15	15	36	15	18	19	17	17
22	12	13	28	15	13	15	15	13	21	14	13	17	15	15	21	16	16	17
23	12	15	15	16	16	19	12	13	16	15	15	20	15	20	21	17	14	19
24	24	15	28	26	17	18	25	15	28	15	18	18	30	20	17	21	18	19
25	44	15	14	35	17	17	38	14	20	16	17	18	50	16	19	27	54	20
26	16	14	20	30	30	31	13	13	16	17	22	21	15	14	16	21	33	26
27	13	15	12	11	19	16	12	14	15	14	16	16	12	22	14	16	17	15
28	20	12	15	19	15	14	39	15	14	16	15	16	18	15	12	19	47	18
29	24	17	18	15	14	15	23	14	17	14	13	19	27	24	19	16	26	20
30	25	18	16	16	13	18	26	15	13	17	20	39	20	26	15	20	21	32
31	12	16	13	24			22	13	56	17			11	16	19	19		

	PERCENTAGE FREQUENCY																	
	Eastern Sydney						South Western Sydney						North Western Sydney					
	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	65	94	84	84	93	83	55	97	71	97	90	90	55	87	81	90	73	80
MED	26	6	16	16	7	17	45	3	26	3	10	10	39	13	19	10	23	17
HIGH	10	0	0	0	0	0	0	0	3	0	0	0	6	0	0	0	3	3

1999 Data

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

Lower Hunter region

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

D A Y	REGIONS																	
	JUL		Newcastle AUG		SEP		JUL		Wallsend AUG		SEP		JUL		Beresfield AUG		SEP	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
1	15	14	16	15	15	19	10	13	15	14	11	17	12	14	13	11	13	15
2	12	12	15	14	24	19	12	10	14	12	13	17	12	10	10	13	15	16
3	12	12	43	30	17	54	24	7	23	17	15	24	12	7	30	13	16	19
4	18	9	35	17	13	16	11	6	25	16	21	17	13	8	23	12	15	17
5	17	18	25	15	15	20	38	13	31	13	15	17	12	19	25	14	16	18
6	51	13	15	8	14	13	51	13	12	8	12	17	29	12	11	9	13	16
7	38	10	15	30	16	14	39	11	14	13	14	7	23	11	14	15	13	9
8	39	15	15	11	16	16	30	10	16	13	11	17	38	12	13	14	11	16
9	26	23	11	14	15	14	30	29	11	13	14	14	25	21	11	12	15	16
10	17	14	12	12	13	14	25	9	3	3	10	8	16	13	11	13	14	10
11	34	11	25	21	16	16	26	11	27	14	14	16	32	12	34	14	13	13
12	15	11	16	15	15	18	20	8	15	10	18	17	15	17	37	15	15	18
13	15	14	17	13	21	18	14	10	30	9	21	17	20	12	25	11	16	14
14	16	16	13	12	16	21	14	13	7	1	17	18	11	11	12	11	15	21
15	16	16	12	15	23	23	15	15	3	4	18	17	12	12	12	13	22	20
16	15	11	15	16	19	20	13	11	31	7	17	17	12	11	13	9	20	22
17	13	13	26	14	27	13	21	12	40	12	22	13	10	11	20	11	24	14
18	27	13	33	21	12	15	15	12	36	14	14	15	11	13	24	18	13	15
19	12	13	19	18	15	18	11	13	15	16	15	17	11	11	28	18	15	17
20	12	14	16	16	18	15	25	15	23	15	15	15	17	13	18	17	17	16
21	13	13	16	14	15	15	14	13	13	14	15	14	12	12	15	13	14	16
22	12	13	28	16	14	15	14	13	26	15	11	13	11	12	11	14	15	14
23	16	14	16	14	18	15	34	13	20	14	11	21	11	11	13	13	14	20
24	13	12	14	15	25	34	12	8	13	14	19	23	12	9	18	14	21	20
25	51	16	17	21	24	20	33	17	12	16	23	22	33	12	13	12	21	21
26	16	16	19	18	39	28	15	14	10	14	30	28	13	13	14	15	31	30
27	14	14	11	13	16	16	10	10	9	13	15	15	13	11	13	14	14	16
28	25	14	16	19	16	14	21	13	14	15	13	13	23	14	14	18	14	14
29	14	15	17	17			15	13	15	14			14	14	15	15		
30	13	15	16	15		12	26	18	17	14		17	22	9	14	16		18
31	11	16	14	20			11	15	9	14			13	13	14	14		

	PERCENTAGE FREQUENCY																	
	Newcastle						Wallsend						Beresfield					
	JUL		AUG		SEP		JUL		AUG		SEP		JUL		AUG		SEP	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW	74	100	77	94	89	90	65	97	74	100	96	97	84	100	81	100	96	97
MED	19	0	23	6	11	7	32	3	26	0	4	3	16	0	19	0	4	3
HIGH	6	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0

1999 Data

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

Illawarra region

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

D A Y	REGIONS											
	Albion Park						Wollongong					
	JUL		AUG		SEP		JUL		AUG		SEP	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
1	10	11	15	15	12	19	9	10	14	14	16	20
2	12	14	14	13	16	15	7	7	13	13	17	16
3	13	13	14	15	15	20	9	5	15	15	15	18
4	14	14	15	14	22	19	14	7	14	13	18	17
5	13	14	15	15	15	16	22	11	12	13	18	14
6	14	14	15	15	15	15	9	2	10	12	15	15
7	13	13	15	16	14	16	10	8	11	13	14	12
8	11	14	15	11	16	16	10	11	12	11	11	16
9	13	12	14	15	16	16	10	10	13	13	15	16
10	12	13	15	15	13	15	26	10	13	13	15	12
11	12	12	15	17	16	16	13	14	11	16	13	14
12	12	12	18	17	16	15	13	8	16	15	10	15
13	15	14	14	15	15	17	15	12	16	14	14	15
14	16	16	15	14	17	18	16	14	13	12	14	17
15	15	15	16	16	18	28	16	15	14	14	18	21
16	14	14	15	15	41	34	13	9	13	14	20	15
17	14	14	16	15	25	14	18	24	13	15	23	13
18	15	13	14	14	14	15	14	12	31	15	11	13
19	13	14	14	16	15	16	11	13	14	14	13	15
20	14	14	15	16	17	17	15	14	16	14	15	15
21	14	14	17	17	15	13	14	13	15	15	12	15
22	14	13	16	15	11	29	14	12	16	13	14	12
23	13	15	16	15	21	19	9	13	13	15	13	20
24	15	12	14	14	33	18	19	15	14	12	17	17
25	13	15	11	17	17	17	25	13	13	13	17	16
26	15	14	26	22	16	17	14	10	22	19	15	16
27	14	15	19	14	17	16	10	12	12	10	15	15
28	12	16	12	18	15	14	12	14	13	18	14	15
29	13	15	18	16	13	16	18	18	18	15	14	15
30	13	12	14	17	14	19	15	11	17	15	18	16
31	14	15	14	17			12	14	15	16		

	PERCENTAGE FREQUENCY											
	Albion Park						Wollongong					
	JUL		AUG		SEP		JUL		AUG		SEP	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW	100	100	97	100	90	90	94	100	97	100	100	100
MED	0	0	3	0	10	10	6	0	3	0	0	0
HIGH	0	0	0	0	0	0	0	0	0	0	0	0

1999 Data