

Quarterly  
Air Quality  
Monitoring  
Report

4  
1999

Part A: EPA Data

October - November - December  
1999

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**TABLE 1**  
**OZONE (O<sub>3</sub>)**

**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

<b>MONITORING SITE</b>		<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
<b>Central East Sydney region</b>				
<b>EARLWOOD</b>				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	95	83
	Average	1.9	1.7	1.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.5	3.2	2.3
	90-percentile Value	5.1	4.5	3.9
	Maximum 1-hour Value	6.1	6.9	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 (1)	0 (0)
	No. Days Above Goal	0 (0)	0 (1)	0 (0)
<b>LIDCOMBE</b>				
EPA Laboratories				
Weeroona Rd	ALL HOURS IN MONTH:			
	% Sampling Time	81	94	95
	Average	1.7	1.5	1.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.5	3.0	2.8
	90-percentile Value	5.6	4.5	4.0
	Maximum 1-hour Value	6.1	4.9	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 (0)
	No. Days Above Goal	0 (0)	0 (0)	0 (0)
<b>LINDFIELD</b>				
Bradfield Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	95	95
	Average	2.0	1.8	1.4
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.7	3.2	2.8
	90-percentile Value	5.1	4.5	4.2
	Maximum 1-hour Value	6.4	5.6	5.9
	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

1999 Data

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

TABLE 1 (Cont'd)

OZONE (O<sub>3</sub>)

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	OCT	NOV	DEC
<b>Central East Sydney region (Cont'd)</b>			
<b>RANDWICK</b>			
Randwick Barracks			
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:		
	% Sampling Time	95	95
	Average	2.1	1.9
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	3.6	3.0
	90-percentile Value	5.4	4.3
	Maximum 1-hour Value	6.3	6.8
	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)
<b>ROZELLE</b>			
Rozelle Hospital			
Balmain Rd	ALL HOURS IN MONTH:		
	% Sampling Time	94	92
	Average	1.6	1.6
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	2.9	2.8
	90-percentile Value	4.2	4.0
	Maximum 1-hour Value	4.8	5.6
	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)
<b>WOOLLOOWARE</b>			
Woollooware Rd			
	ALL HOURS IN MONTH:		
	% Sampling Time	95	83
	Average	2.1	1.9
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	3.6	3.0
	90-percentile Value	5.0	4.3
	Maximum 1-hour Value	6.6	5.9
	NEPM STANDARD LEVEL:		
	No. Hours Above Level	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:		
	No. Hours Above Goal	0 (2)	0 (0)
	No. Days Above Goal	0 (1)	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 (O<sub>3</sub>)

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	OCT	NOV	DEC
<b>North West Sydney region</b>			
<b>BLACKTOWN</b>			
Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	94	95	96
Average	1.7	1.7	1.4
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.7	3.4	3.4
90-percentile Value	5.3	5.2	5.5
Maximum 1-hour Value	5.8	6.4	7.4
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 (2)
No. Days Above Goal	0 (0)	0 (0)	0 (1)
<b>RICHMOND</b>			
University Of Western Sydney			
Vines Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	88	93
Average	2.2	2.1	1.9
DAILY 1-HOUR MAXIMA:			
Monthly Average	4.0	3.7	3.9
90-percentile Value	5.4	5.0	6.3
Maximum 1-hour Value	5.9	5.8	7.3
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)
<b>ST MARYS</b>			
Mamre Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	94	96
Average	1.3	1.9	1.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.8	3.8	3.8
90-percentile Value	3.7	5.3	6.2
Maximum 1-hour Value	6.1	6.2	7.1
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (0)	0 (0)	0 (0)
No. Days Above Level	0 (0)	0 (0)	0 (0)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (0)	0 (0)	0 (3)
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

TABLE 1 (Cont'd)

OZONE (O<sub>3</sub>)

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		OCT	NOV	DEC
<b>North West Sydney region (Cont'd)</b>				
VINEYARD				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	96	95
	Average	2.2	2.0	1.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.9	3.5	3.6
	90-percentile Value	5.5	4.7	5.8
	Maximum 1-hour Value	6.3	5.7	7.7
	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 (3)
	No. Days Above Goal	0 (0)	0 (0)	0 (1)
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	94	95	93
	Average	1.7	1.6	1.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.7	3.3	3.1
	90-percentile Value	5.5	4.9	4.3
	Maximum 1-hour Value	6.3	5.6	7.3
	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 (4)
	No. Days Above Goal	0 (0)	0 (0)	0 (1)
<b>South West Sydney region</b>				
BARGO				
Silica Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	80
	Average	2.1	1.8	1.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.7	3.1	3.8
	90-percentile Value	5.5	4.4	8.1
	Maximum 1-hour Value	7.2	7.0	10.8
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	1 (2)
	No. Days Above Level	0 (0)	0 (0)	1 (1)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (2)	0 (2)	4 (14)
	No. Days Above Goal	0 (1)	0 (1)	3 (4)

\*\*\* 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 (O<sub>3</sub>)

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	OCT	NOV	DEC
<b>South West Sydney region (Cont'd)</b>			
BRINGELLY			
Ramsay Rd			
ALL HOURS IN MONTH:			
% Sampling Time	92	79	85
Average	2.0	1.9	1.6
DAILY 1-HOUR MAXIMA:			
Monthly Average	4.0	3.4	3.6
90-percentile Value	5.8	5.3	5.7
Maximum 1-hour Value	6.5	6.1	9.2
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 (2)	0 (0)	1 (4)
No. Days Above Goal	0 (1)	0 (0)	1 (1)
CAMDEN #			
Camden Airport			
Aerodrome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	98	99	99
Average	***	***	***
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.3	3.4	3.8
90-percentile Value	4.9	4.6	6.1
Maximum 1-hour Value	5.7	6.4	9.7
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 (***)	4 (***)
No. Days Above Goal	0 (***)	0 (***)	1 (***)
CAMPBELLTOWN #			
Kanbyugal Reserve			
Cronulla Cres.			
ALL HOURS IN MONTH:			
% Sampling Time	87	79	81
Average	***	***	***
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.6	3.5	3.4
90-percentile Value	5.2	5.4	4.9
Maximum 1-hour Value	6.0	14.9	9.1
NEPM STANDARD LEVEL:			
No. Hours Above Level	0 (***)	12 (***)	0 (***)
No. Days Above Level	0 (***)	2 (***)	0 (***)
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0 (***)	16 (***)	8 (***)
No. Days Above Goal	0 (***)	3 (***)	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 (O<sub>3</sub>)

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

OCT

NOV

DEC

*South West Sydney region (Cont'd)*

## LIVERPOOL

Rose St

## ALL HOURS IN MONTH:

% Sampling Time

79

91

96

Average

1.6

1.6

1.3

## DAILY 1-HOUR MAXIMA:

Monthly Average

3.6

3.3

3.3

90-percentile Value

5.6

4.9

5.3

Maximum 1-hour Value

6.7

6.5

7.9

## 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 (5)

No. Days Above Goal

0 (0)

0 (0)

0 (2)

## OAKDALE

Ridge Rd

## ALL HOURS IN MONTH:

% Sampling Time

96

95

65

Average

2.8

2.5

1.9

## DAILY 1-HOUR MAXIMA:

Monthly Average

4.1

3.6

3.7

90-percentile Value

5.8

5.0

6.9

Maximum 1-hour Value

6.2

6.7

8.9

## 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)

1 (7)

No. Days Above Goal

0 (0)

0 (0)

1 (3)

*Illawarra region*

## ALBION PARK

Croome Rd

## ALL HOURS IN MONTH:

% Sampling Time

94

95

95

Average

2.5

2.2

1.6

## DAILY 1-HOUR MAXIMA:

Monthly Average

3.9

3.2

2.8

90-percentile Value

5.6

4.3

4.0

Maximum 1-hour Value

8.4

4.9

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

1 (3)

0 (0)

0 (0)

No. Days Above Goal

1 (1)

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 (O<sub>3</sub>)

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

OCT

NOV

DEC

*Illawarra region (Cont'd)*

## KEMBLA GRANGE

Kembla Grange Racecourse

Princes Hwy

ALL HOURS IN MONTH:

% Sampling Time

94

95

95

Average

2.1

1.9

1.4

DAILY 1-HOUR MAXIMA:

Monthly Average

3.7

3.0

2.7

90-percentile Value

4.9

3.8

4.0

Maximum 1-hour Value

7.1

5.4

5.9

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)

## WARRAWONG

Carlotta Cres

ALL HOURS IN MONTH:

% Sampling Time

93

85

80

Average

2.4

2.1

1.5

DAILY 1-HOUR MAXIMA:

Monthly Average

3.8

3.1

2.7

90-percentile Value

4.8

3.8

4.1

Maximum 1-hour Value

7.5

5.4

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 (5)

0 (0)

0 (0)

No. Days Above Goal

0 (1)

0 (0)

0 (0)

## WOLLONGONG

Gipps St

ALL HOURS IN MONTH:

% Sampling Time

91

83

86

Average

2.0

1.8

1.3

DAILY 1-HOUR MAXIMA:

Monthly Average

3.6

2.7

2.4

90-percentile Value

4.9

3.8

3.8

Maximum 1-hour Value

6.1

4.8

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)

\*\*\* 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 (O<sub>3</sub>)

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		OCT	NOV	DEC
<b>Lower Hunter region</b>				
<b>BERESFIELD</b>				
Francis Greenway				
High School				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	95
	Average	2.1	1.8	1.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.8	3.2	2.8
	90-percentile Value	4.9	4.5	4.1
	Maximum 1-hour Value	5.8	5.2	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)
<b>NEWCASTLE</b>				
Athletics Field				
Smith St				
	ALL HOURS IN MONTH:			
	% Sampling Time	89	95	96
	Average	2.3	2.1	1.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.5	3.2	2.5
	90-percentile Value	4.5	4.2	3.5
	Maximum 1-hour Value	6.6	5.5	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 (3)	0 (0)	0 (0)
	No. Days Above Goal	0 (1)	0 (0)	0 (0)
<b>WALLSEND</b>				
Swimming Pool				
Frances St				
	ALL HOURS IN MONTH:			
	% Sampling Time	66	96	79
	Average	2.1	1.9	1.4
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.3	3.2	2.7
	90-percentile Value	4.2	4.4	4.0
	Maximum 1-hour Value	4.6	5.5	6.1
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0 (0)	0 (0)	0 (0)
	No. Days Above Level	0 (0)	0 (0)	0 (0)
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0 (0)	0 (0)	0 (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 (NO<sub>2</sub>)**

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

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

MONITORING SITE		OCT	NOV	DEC
<b>Central East Sydney region</b>				
<b>EARLWOOD</b>				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	92	94
	Average	1.8	1.5	1.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.9	2.4	2.0
	90-percentile Value	3.9	3.2	3.1
	Maximum 1-hour Value	4.8	3.4	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
<b>LIDCOMBE</b>				
EPA Laboratories				
Weeroona Rd	ALL HOURS IN MONTH:			
	% Sampling Time	95	94	87
	Average	1.6	1.3	1.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	3.0	2.5	2.1
	90-percentile Value	4.1	3.1	3.2
	Maximum 1-hour Value	5.3	4.4	3.7
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
<b>LINDFIELD</b>				
Bradfield Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	95	94
	Average	1.1	0.9	0.7
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.3	1.9	1.7
	90-percentile Value	3.4	2.5	2.4
	Maximum 1-hour Value	3.8	2.6	2.7
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0

\*\*\* Data not available

1999 Data

**TABLE 2 (Cont'd)**  
**NITROGEN DIOXIDE (NO<sub>2</sub>)**

**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	OCT	NOV	DEC
<b>Central East Sydney region (Cont'd)</b>			
<b>RANDWICK</b>			
Randwick Barracks			
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:		
	% Sampling Time	95	95
	Average	1.1	0.7
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	2.6	2.1
	90-percentile Value	3.7	3.2
	Maximum 1-hour Value	4.9	3.9
	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
<b>ROZELLE</b>			
Rozelle Hospital			
Balmain Rd	ALL HOURS IN MONTH:		
	% Sampling Time	93	94
	Average	1.8	1.2
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	3.0	2.5
	90-percentile Value	3.9	3.4
	Maximum 1-hour Value	4.9	4.0
	NEPM STANDARD LEVEL:		
	No. Hours Above Level	0	0
	No. Days Above Level	0	0
	NSW GOV'T LONG TERM GOAL:		
	No. Hours Above Goal	0	0
	No. Days Above Goal	0	0
<b>WOOLLOOWARE</b>			
Woollooware Rd			
	ALL HOURS IN MONTH:		
	% Sampling Time	95	95
	Average	1.1	0.9
	DAILY 1-HOUR MAXIMA:		
	Monthly Average	2.4	1.9
	90-percentile Value	3.8	3.2
	Maximum 1-hour Value	4.5	3.2
	NEPM STANDARD LEVEL:		
	No. Hours Above Level	0	0
	No. Days Above Level	0	0
	NSW GOV'T LONG TERM GOAL:		
	No. Hours Above Goal	0	0
	No. Days Above Goal	0	0

\*\*\* Data not available

1999 Data

**TABLE 2 (Cont'd)**  
**NITROGEN DIOXIDE (NO<sub>2</sub>)**

**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	OCT	NOV	DEC
<b>North West Sydney region</b>			
<b>BLACKTOWN</b>			
Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	93	96
Average	1.5	1.1	1.0
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.1	2.1	1.9
90-percentile Value	4.5	2.6	2.9
Maximum 1-hour Value	5.3	2.8	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
<b>RICHMOND</b>			
University Of Western Sydney			
Vines Rd			
ALL HOURS IN MONTH:			
% Sampling Time	94	91	92
Average	0.6	0.5	0.5
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.6	1.2	1.3
90-percentile Value	2.3	1.7	2.0
Maximum 1-hour Value	3.4	2.1	2.5
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
<b>ST MARYS</b>			
Mamre Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	94	86
Average	0.9	0.7	0.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	2.0	1.8	1.6
90-percentile Value	2.9	2.8	2.4
Maximum 1-hour Value	3.2	3.2	2.9
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 (NO<sub>2</sub>)**

**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		OCT	NOV	DEC
<b>North West Sydney region (Cont'd)</b>				
<b>VINEYARD</b>				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	92	96	95
	Average	0.8	0.6	0.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.0	1.5	1.4
	90-percentile Value	3.1	2.1	2.2
	Maximum 1-hour Value	4.5	2.3	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
<b>WESTMEAD</b>				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	95	96	94
	Average	1.4	1.2	1.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.7	2.3	2.0
	90-percentile Value	3.9	2.9	2.9
	Maximum 1-hour Value	4.9	3.1	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
<b>South West Sydney region</b>				
<b>BARGO</b>				
Silica Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	92	90	96
	Average	0.7	0.5	0.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.0	1.6	1.4
	90-percentile Value	3.3	2.3	2.1
	Maximum 1-hour Value	5.0	3.3	3.2
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0

\*\*\* Data not available

1999 Data

**TABLE 2 (Cont'd)**  
**NITROGEN DIOXIDE (NO<sub>2</sub>)**

**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	OCT	NOV	DEC
<b>South West Sydney region (Cont'd)</b>			
<b>BRINGELLY</b>			
Ramsay Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	94	94
Average	0.8	0.5	0.7
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.8	1.1	1.4
90-percentile Value	3.0	1.8	2.3
Maximum 1-hour Value	3.4	2.6	3.0
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0
<b>CAMDEN</b>			
Camden Airport			
Aerodrome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	89	53	86
Average	0.6	0.4	0.5
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.6	1.0	1.1
90-percentile Value	3.0	2.0	2.1
Maximum 1-hour Value	3.4	2.5	2.5
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
<b>CAMPBELLTOWN #</b>			
Kanbyugal Reserve			
Cronulla Cres.			
ALL HOURS IN MONTH:			
% Sampling Time	88	91	99
Average	***	***	***
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.1	2.4	2.0
90-percentile Value	4.3	3.0	3.0
Maximum 1-hour Value	5.3	3.7	5.0
NEPM STANDARD LEVEL:			
No. Hours Above Level	0	0	0
No. Days Above Level	0	0	0
NSW GOV'T LONG TERM GOAL:			
No. Hours Above Goal	0	0	0
No. Days Above Goal	0	0	0

\*\*\* Data not available

1999 Data

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

**TABLE 2 (Cont'd)**  
**NITROGEN DIOXIDE (NO<sub>2</sub>)**

**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

<b>MONITORING SITE</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
<b>South West Sydney region (Cont'd)</b>			
<b>LIVERPOOL</b>			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	69	90	96
Average	1.7	1.3	1.3
DAILY 1-HOUR MAXIMA:			
Monthly Average	3.1	2.6	2.3
90-percentile Value	4.6	3.5	3.5
Maximum 1-hour Value	4.7	4.3	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
<b>OAKDALE</b>			
Ridge Rd			
ALL HOURS IN MONTH:			
% Sampling Time	91	87	66
Average	0.3	0.2	0.5
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.9	0.5	0.9
90-percentile Value	2.1	1.0	1.4
Maximum 1-hour Value	3.0	1.9	1.5
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
<b>Illawarra region</b>			
<b>ALBION PARK</b>			
Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	93	94	95
Average	0.5	0.3	0.5
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.3	0.8	1.1
90-percentile Value	2.0	1.4	2.5
Maximum 1-hour Value	2.8	2.7	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

1999 Data

**TABLE 2 (Cont'd)**  
**NITROGEN DIOXIDE (NO<sub>2</sub>)**

**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

<b>MONITORING SITE</b>		<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
<b>Illawarra region (Cont'd)</b>				
<b>KEMBLA GRANGE</b>				
Kembla Grange Racecourse				
Princes Hwy	ALL HOURS IN MONTH:			
	% Sampling Time	93	95	94
	Average	0.9	0.5	0.6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.1	1.2	1.3
	90-percentile Value	3.6	1.8	2.8
	Maximum 1-hour Value	3.9	2.6	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
<b>WARRAWONG</b>				
Carlotta Cres				
	ALL HOURS IN MONTH:			
	% Sampling Time	92	95	95
	Average	0.9	0.5	0.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.4	1.5	1.4
	90-percentile Value	3.6	2.3	2.3
	Maximum 1-hour Value	4.4	3.0	3.3
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0
<b>WOLLONGONG</b>				
Gipps St				
	ALL HOURS IN MONTH:			
	% Sampling Time	91	95	95
	Average	1.2	0.8	0.8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.7	1.9	1.7
	90-percentile Value	3.7	2.7	2.6
	Maximum 1-hour Value	6.2	3.1	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

1999 Data

**TABLE 2 (Cont'd)**  
**NITROGEN DIOXIDE (NO<sub>2</sub>)**

**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

<b>MONITORING SITE</b>		<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
<b>Lower Hunter region</b>				
<b>BERESFIELD</b>				
Francis Greenway				
High School				
	ALL HOURS IN MONTH:			
	% Sampling Time	94	94	84
	Average	0.9	0.8	0.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.0	1.7	1.2
	90-percentile Value	2.7	2.3	1.6
	Maximum 1-hour Value	3.3	2.6	2.4
	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
<b>NEWCASTLE</b>				
Athletics Field				
Smith St				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	95
	Average	0.9	0.6	0.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	2.0	1.5	1.3
	90-percentile Value	3.2	2.4	2.0
	Maximum 1-hour Value	3.6	2.6	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
<b>WALLSEND</b>				
Swimming Pool				
Frances St				
	ALL HOURS IN MONTH:			
	% Sampling Time	66	95	95
	Average	0.9	0.7	0.5
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.8	1.5	1.1
	90-percentile Value	2.4	2.1	1.6
	Maximum 1-hour Value	2.8	2.6	2.3
	NEPM STANDARD LEVEL:			
	No. Hours Above Level	0	0	0
	No. Days Above Level	0	0	0
	NSW GOV'T LONG TERM GOAL:			
	No. Hours Above Goal	0	0	0
	No. Days Above Goal	0	0	0

\*\*\* Data not available

1999 Data

**TABLE 3**  
**OXIDES OF NITROGEN - NO<sub>x</sub> (TOTAL OXIDES OF**  
**NITROGEN) & NO (NITRIC OXIDE)**

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE		OCT		NOV		DEC	
		NO <sub>x</sub>	NO	NO <sub>x</sub>	NO	NO <sub>x</sub>	NO
<b>Central East Sydney region</b>							
<b>EARLWOOD</b>							
Beaman Park							
Riverview Rd	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	92	92	94	94
	Average	4.2	2.5	3.4	2.0	2.8	1.6
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	11.7	9.7	9.6	7.8	7.7	6.2
	90-percentile Value	23.7	22.0	19.3	17.8	13.6	12.4
	Maximum 1-hour Value	27.2	25.8	21.3	19.9	16.9	15.8
<b>LIDCOMBE</b>							
EPA Laboratories							
Weeroona Rd	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	94	94	87	87
	Average	3.1	1.5	2.6	1.3	2.2	1.1
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	9.0	6.5	8.6	6.5	7.8	6.1
	90-percentile Value	16.1	13.2	12.6	11.1	13.8	11.5
	Maximum 1-hour Value	16.5	14.3	17.1	15.2	20.8	18.9
<b>LINDFIELD</b>							
Bradfield Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	95	95	94	94
	Average	1.7	0.6	1.6	0.7	1.3	0.6
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	5.1	3.1	5.2	3.6	4.2	2.8
	90-percentile Value	8.5	5.7	8.5	6.6	6.6	5.5
	Maximum 1-hour Value	8.9	7.0	8.6	7.0	9.1	7.7
<b>RANDWICK</b>							
Randwick Barracks							
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	95	95	95	95
	Average	2.0	0.8	1.4	0.7	1.0	0.5
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	6.1	3.8	6.0	4.1	4.4	3.0
	90-percentile Value	11.7	9.3	14.2	12.3	10.8	7.9
	Maximum 1-hour Value	17.2	14.9	16.4	13.7	15.2	13.4
<b>ROZELLE</b>							
Rozelle Hospital							
Balmain Rd	ALL HOURS IN MONTH:						
	% Sampling Time	93	93	94	94	92	92
	Average	2.8	1.0	2.1	0.9	1.8	0.8
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	6.9	4.3	6.2	4.0	5.1	3.3
	90-percentile Value	12.6	9.8	11.8	9.8	8.4	6.0
	Maximum 1-hour Value	18.1	15.2	13.7	10.9	9.4	7.1

\*\*\* Data not available

1999 Data

TABLE 3 (Cont'd)

**OXIDES OF NITROGEN - NO<sub>x</sub> (TOTAL OXIDES OF NITROGEN) & NO (NITRIC OXIDE)**

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE	OCT		NOV		DEC	
	NO <sub>x</sub>	NO	NO <sub>x</sub>	NO	NO <sub>x</sub>	NO
<b>Central East Sydney region (Cont'd)</b>						
WOOLOOWARE						
Woollooware Rd						
ALL HOURS IN MONTH:						
% Sampling Time						
	95	95	95	95	95	95
Average						
	1.7	0.7	1.4	0.5	1.2	0.5
DAILY 1-HOUR MAXIMA:						
Monthly Average						
	5.0	3.2	3.7	2.1	3.2	1.9
90-percentile Value						
	9.1	7.0	7.8	5.8	6.7	4.6
Maximum 1-hour Value						
	11.4	9.0	8.5	6.0	8.7	6.1
<b>North West Sydney region</b>						
BLACKTOWN						
Flushcombe Rd						
ALL HOURS IN MONTH:						
% Sampling Time						
	95	95	93	93	96	96
Average						
	2.6	1.2	2.1	1.0	1.9	1.0
DAILY 1-HOUR MAXIMA:						
Monthly Average						
	7.7	5.4	6.6	4.9	6.6	5.1
90-percentile Value						
	13.9	11.6	12.5	10.3	10.8	9.4
Maximum 1-hour Value						
	18.5	16.3	14.2	12.8	14.0	12.4
RICHMOND						
University Of Western Sydney						
Vines Rd						
ALL HOURS IN MONTH:						
% Sampling Time						
	94	94	91	91	92	92
Average						
	0.7	0.2	0.7	0.2	0.7	0.2
DAILY 1-HOUR MAXIMA:						
Monthly Average						
	2.1	0.8	1.8	0.9	1.9	1.0
90-percentile Value						
	3.4	1.8	3.2	2.0	2.7	1.9
Maximum 1-hour Value						
	6.1	3.9	3.7	2.9	3.4	2.9
ST MARYS						
Mamre Rd						
ALL HOURS IN MONTH:						
% Sampling Time						
	96	96	94	94	86	86
Average						
	1.3	0.4	1.1	0.4	1.1	0.4
DAILY 1-HOUR MAXIMA:						
Monthly Average						
	3.4	1.9	3.7	2.3	3.2	2.0
90-percentile Value						
	5.8	4.2	7.7	6.3	4.9	4.2
Maximum 1-hour Value						
	7.3	5.6	12.7	10.6	7.9	5.5
VINEYARD						
Castle Hill STP						
Bandon Rd						
ALL HOURS IN MONTH:						
% Sampling Time						
	92	92	96	96	95	95
Average						
	1.0	0.2	0.9	0.3	0.9	0.3
DAILY 1-HOUR MAXIMA:						
Monthly Average						
	2.8	1.2	2.6	1.4	2.6	1.5
90-percentile Value						
	4.7	2.9	4.5	3.3	4.5	3.1
Maximum 1-hour Value						
	7.5	3.9	5.3	4.3	5.8	4.7

\*\*\* Data not available

1999 Data

TABLE 3 (Cont'd)

OXIDES OF NITROGEN - NO<sub>x</sub> (TOTAL OXIDES OF NITROGEN) & NO (NITRIC OXIDE)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE		OCT		NOV		DEC	
		NO <sub>x</sub>	NO	NO <sub>x</sub>	NO	NO <sub>x</sub>	NO
<b>North West Sydney region (Cont'd)</b>							
WESTMEAD							
Westmead Hospital							
Hainsworth St	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	96	96	94	94
	Average	2.9	1.5	2.7	1.5	2.5	1.4
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	8.8	7.1	8.8	7.0	9.5	8.1
	90-percentile Value	14.4	12.3	15.3	12.7	17.9	16.2
	Maximum 1-hour Value	16.8	15.9	17.2	16.0	19.5	18.2
<b>South West Sydney region</b>							
BARGO							
Silica Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	92	92	90	90	96	96
	Average	1.2	0.5	1.0	0.5	0.8	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	6.2	4.5	4.1	2.8	2.8	1.7
	90-percentile Value	16.7	14.3	10.1	8.4	5.9	4.9
	Maximum 1-hour Value	19.5	16.3	12.2	11.0	9.0	8.0
BRINGELLY							
Ramsay Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	95	95	94	94	94	94
	Average	1.1	0.3	0.8	0.3	1.0	0.4
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	2.5	1.2	1.8	1.0	2.2	1.2
	90-percentile Value	4.2	2.3	3.2	2.2	3.7	2.5
	Maximum 1-hour Value	5.0	2.5	3.4	2.4	5.6	3.3
CAMDEN							
Camden Airport							
Aerodrome Rd	ALL HOURS IN MONTH:						
	% Sampling Time	89	89	53	53	86	86
	Average	0.8	0.2	0.6	0.2	0.7	0.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	2.1	1.1	1.6	1.0	1.8	0.9
	90-percentile Value	3.5	2.5	3.8	2.9	3.9	3.1
	Maximum 1-hour Value	4.3	3.2	3.9	3.2	5.0	4.3
CAMPBELLTOWN #							
Kanbyugal Reserve							
Cronulla Cres.	ALL HOURS IN MONTH:						
	% Sampling Time	88	88	91	91	99	99
	Average	***	***	***	***	***	***
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	8.3	5.6	8.4	6.3	7.6	6.0
	90-percentile Value	12.1	9.9	15.3	13.4	12.0	10.5
	Maximum 1-hour Value	15.4	12.7	18.4	16.2	16.2	14.8

\*\*\* 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<sub>x</sub> (TOTAL OXIDES OF NITROGEN) & NO (NITRIC OXIDE)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE	OCT		NOV		DEC		
	NO <sub>x</sub>	NO	NO <sub>x</sub>	NO	NO <sub>x</sub>	NO	
<b>South West Sydney region (Cont'd)</b>							
LIVERPOOL							
Rose St							
	ALL HOURS IN MONTH:						
	% Sampling Time	69	69	90	90	96	96
	Average	3.5	1.8	2.8	1.6	2.9	1.6
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	11.2	8.7	9.9	7.9	9.4	7.7
	90-percentile Value	23.1	20.0	15.9	14.0	16.7	15.0
	Maximum 1-hour Value	26.5	24.7	21.4	19.3	18.2	16.0
OAKDALE							
Ridge Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	91	91	87	87	66	66
	Average	0.3	0.2	0.2	0.1	0.6	0.1
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	1.1	0.4	0.6	0.2	1.0	0.3
	90-percentile Value	2.3	0.9	1.2	0.6	1.7	0.6
	Maximum 1-hour Value	5.7	2.7	2.1	0.7	1.9	0.7
<b>Illawarra region</b>							
ALBION PARK							
Croome Rd							
	ALL HOURS IN MONTH:						
	% Sampling Time	93	93	94	94	95	95
	Average	0.6	0.1	0.3	0.1	0.6	0.2
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	1.6	0.4	1.0	0.4	1.5	0.7
	90-percentile Value	2.9	1.1	1.7	0.8	3.2	1.5
	Maximum 1-hour Value	3.4	1.4	3.2	2.3	5.8	2.7
KEMBLA GRANGE							
Kembla Grange Racecourse							
Princes Hwy							
	ALL HOURS IN MONTH:						
	% Sampling Time	93	93	95	95	94	94
	Average	1.3	0.4	0.8	0.3	0.9	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	3.8	2.1	2.7	1.7	2.9	1.8
	90-percentile Value	6.9	4.8	6.1	4.9	5.7	4.2
	Maximum 1-hour Value	8.9	7.4	7.4	6.1	6.6	5.3
WARRAWONG							
Carlotta Cres							
	ALL HOURS IN MONTH:						
	% Sampling Time	92	92	95	95	95	95
	Average	1.3	0.4	0.8	0.2	0.8	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	3.9	1.7	2.4	1.1	3.0	1.7
	90-percentile Value	7.4	4.9	4.5	2.4	5.9	3.8
	Maximum 1-hour Value	8.6	5.9	4.9	2.7	8.4	5.5

\*\*\* Data not available

1999 Data

**TABLE 3 (Cont'd)**  
**OXIDES OF NITROGEN - NO<sub>x</sub> (TOTAL OXIDES OF**  
**NITROGEN) & NO (NITRIC OXIDE)**

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE	OCT		NOV		DEC		
	NO <sub>x</sub>	NO	NO <sub>x</sub>	NO	NO <sub>x</sub>	NO	
<b>Illawarra region (Cont'd)</b>							
WOLLONGONG							
Gipps St							
	ALL HOURS IN MONTH:						
	% Sampling Time	91	91	95	95	95	95
	Average	2.2	1.0	1.4	0.6	1.4	0.6
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	7.3	4.9	5.1	3.3	4.9	3.4
	90-percentile Value	12.7	9.9	9.1	7.5	10.7	9.4
	Maximum 1-hour Value	13.4	11.2	13.6	11.2	13.1	11.1
<b>Lower Hunter region</b>							
BERESFIELD							
Francis Greenway							
High School							
	ALL HOURS IN MONTH:						
	% Sampling Time	94	94	94	94	84	84
	Average	1.6	0.7	1.5	0.8	1.2	0.7
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	5.2	3.5	4.6	3.2	4.0	2.9
	90-percentile Value	9.8	8.1	8.2	6.6	7.0	5.9
	Maximum 1-hour Value	14.5	12.8	9.6	7.5	8.9	8.2
NEWCASTLE							
Athletics Field							
Smith St							
	ALL HOURS IN MONTH:						
	% Sampling Time	96	96	95	95	95	95
	Average	1.4	0.4	0.9	0.4	0.9	0.4
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	4.0	2.1	3.0	1.8	2.7	1.6
	90-percentile Value	7.5	5.3	6.1	4.4	4.0	3.0
	Maximum 1-hour Value	8.7	6.0	7.6	5.1	8.4	6.0
WALLSEND							
Swimming Pool							
Frances St							
	ALL HOURS IN MONTH:						
	% Sampling Time	66	66	95	95	95	95
	Average	1.2	0.4	1.0	0.4	0.9	0.3
	DAILY 1-HOUR MAXIMA:						
	Monthly Average	3.1	1.7	3.0	1.8	2.8	1.8
	90-percentile Value	4.5	3.1	5.0	3.7	4.6	3.8
	Maximum 1-hour Value	6.2	4.2	5.5	4.1	6.3	5.1

\*\*\* 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		OCT	NOV	DEC
<b>Central East Sydney region</b>				
<b>EARLWOOD</b>				
Beaman Park				
Riverview Rd				
	% Sampling Time	65	99	98
	Monthly Average	0.2	0.1	0.2
	90-percentile Value	0.4	0.2	0.3
	Maximum 24-hour Average	0.5	0.3	0.4
	Maximum 1-hour Value	1.1	1.0	0.7
<b>LIDCOMBE</b>				
EPA Laboratories				
Weeroona Rd				
	% Sampling Time	***	91	99
	Monthly Average	***	0.2	0.2
	90-percentile Value	***	0.3	0.3
	Maximum 24-hour Average	***	0.3	0.4
	Maximum 1-hour Value	***	1.1	0.8
<b>RANDWICK</b>				
Randwick Barracks				
Cnr Avoca & Bundock Sts				
	% Sampling Time	94	99	99
	Monthly Average	0.2	0.1	0.2
	90-percentile Value	0.4	0.2	0.3
	Maximum 24-hour Average	0.5	0.3	0.4
	Maximum 1-hour Value	1.1	0.6	0.6
<b>ROZELLE</b>				
Rozelle Hospital				
Balmain Rd				
	% Sampling Time	98	99	93
	Monthly Average	0.3	0.2	0.2
	90-percentile Value	0.6	0.3	0.3
	Maximum 24-hour Average	0.6	0.4	0.4
	Maximum 1-hour Value	1.2	0.9	0.7
<b>WOOLLOOWARE</b>				
Woollooware Rd				
	% Sampling Time	99	80	97
	Monthly Average	0.3	0.1	0.2
	90-percentile Value	0.5	0.2	0.3
	Maximum 24-hour Average	0.6	0.3	0.5
	Maximum 1-hour Value	1.0	0.4	0.7

\*\*\* 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	OCT	NOV	DEC
<b>North West Sydney region</b>			
BLACKTOWN			
Flushcombe Rd			
% Sampling Time	86	99	99
Monthly Average	0.3	0.1	0.2
90-percentile Value	0.5	0.3	0.3
Maximum 24-hour Average	0.6	0.3	0.3
Maximum 1-hour Value	1.0	1.0	0.8
RICHMOND			
University Of Western Sydney			
Vines Rd			
% Sampling Time	79	98	99
Monthly Average	0.2	0.2	0.3
90-percentile Value	0.3	0.3	0.4
Maximum 24-hour Average	0.4	0.4	0.5
Maximum 1-hour Value	0.7	0.6	1.4
ST MARYS			
Mamre Rd			
% Sampling Time	100	84	48
Monthly Average	0.1	0.2	0.2
90-percentile Value	0.2	0.4	0.4
Maximum 24-hour Average	0.2	0.5	0.4
Maximum 1-hour Value	0.6	0.7	1.0
WESTMEAD			
Westmead Hospital			
Hainsworth St			
% Sampling Time	99	99	96
Monthly Average	0.2	0.1	0.2
90-percentile Value	0.4	0.2	0.4
Maximum 24-hour Average	0.5	0.3	0.5
Maximum 1-hour Value	1.0	1.2	0.7
<b>South West Sydney region</b>			
BARGO			
Silica Rd			
% Sampling Time	99	96	99
Monthly Average	0.1	0.1	0.1
90-percentile Value	0.4	0.2	0.3
Maximum 24-hour Average	0.5	0.2	0.3
Maximum 1-hour Value	1.0	1.0	0.8

\*\*\* 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	OCT	NOV	DEC
<b>South West Sydney region (Cont'd)</b>			
BRINGELLY			
Ramsay Rd			
% Sampling Time	99	99	97
Monthly Average	0.2	0.1	0.2
90-percentile Value	0.4	0.2	0.3
Maximum 24-hour Average	0.5	0.3	0.5
Maximum 1-hour Value	1.0	0.7	0.7
LIVERPOOL			
Rose St			
% Sampling Time	99	94	91
Monthly Average	0.2	0.1	0.2
90-percentile Value	0.4	0.2	0.3
Maximum 24-hour Average	0.6	0.3	0.4
Maximum 1-hour Value	0.9	0.6	0.7
OAKDALE			
Ridge Rd			
% Sampling Time	99	99	67
Monthly Average	0.2	0.1	0.2
90-percentile Value	0.4	0.2	0.3
Maximum 24-hour Average	0.6	0.3	0.4
Maximum 1-hour Value	1.2	0.5	0.9
<b>Illawarra region</b>			
ALBION PARK			
Croome Rd			
% Sampling Time	99	97	99
Monthly Average	0.2	0.1	0.2
90-percentile Value	0.4	0.2	0.3
Maximum 24-hour Average	0.5	0.2	0.5
Maximum 1-hour Value	1.7	0.9	1.4
KEMBLA GRANGE			
Kembla Grange Racecourse			
Princes Hwy			
% Sampling Time	99	98	99
Monthly Average	0.3	0.2	0.2
90-percentile Value	0.5	0.3	0.4
Maximum 24-hour Average	0.6	0.3	0.5
Maximum 1-hour Value	1.6	0.5	1.1

\*\*\* 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	OCT	NOV	DEC
<b>Illawarra region (Cont'd)</b>			
WOLLONGONG			
Gipps St			
% Sampling Time	99	99	99
Monthly Average	0.2	0.1	0.2
90-percentile Value	0.5	0.2	0.3
Maximum 24-hour Average	0.6	0.3	0.4
Maximum 1-hour Value	1.1	0.8	0.9
<b>Lower Hunter region</b>			
BERESFIELD			
Francis Greenway			
High School			
% Sampling Time	99	99	99
Monthly Average	0.2	0.1	0.2
90-percentile Value	0.3	0.2	0.3
Maximum 24-hour Average	0.5	0.3	0.6
Maximum 1-hour Value	1.2	0.5	1.2
NEWCASTLE			
Athletics Field			
Smith St			
% Sampling Time	99	99	99
Monthly Average	0.3	0.2	0.3
90-percentile Value	0.6	0.3	0.4
Maximum 24-hour Average	0.8	0.3	0.5
Maximum 1-hour Value	2.0	0.8	0.8
WALLSEND			
Swimming Pool			
Frances St			
% Sampling Time	59	99	99
Monthly Average	0.2	0.2	0.2
90-percentile Value	0.3	0.2	0.3
Maximum 24-hour Average	0.7	0.3	0.4
Maximum 1-hour Value	1.5	1.5	0.7
<b>Central Tablelands region</b>			
LITHGOW			
Main St			
% Sampling Time	99	100	84
Monthly Average	0.3	0.2	0.2
90-percentile Value	0.5	0.3	0.4
Maximum 24-hour Average	0.6	0.3	0.5
Maximum 1-hour Value	1.3	0.8	0.7

\*\*\* 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		OCT	NOV	DEC
<b>Central Tablelands region (Cont'd)</b>				
ORANGE				
Calare Public School				
Wentworth Lane				
	% Sampling Time	99	100	99
	Monthly Average	0.2	0.1	0.2
	90-percentile Value	0.5	0.2	0.4
	Maximum 24-hour Average	0.5	0.3	0.6
	Maximum 1-hour Value	1.7	1.5	0.8
<b>Southern Tablelands region</b>				
COOMA				
Swimming Pool				
Smith St				
	% Sampling Time	88	65	100
	Monthly Average	0.2	0.1	0.1
	90-percentile Value	0.4	0.3	0.1
	Maximum 24-hour Average	0.3	0.3	0.2
	Maximum 1-hour Value	1.0	1.7	0.4
<b>Riverina region</b>				
GRIFFITH				
Griffith Base Hospital				
Animoo St				
	% Sampling Time	99	98	83
	Monthly Average	0.1	0.1	0.1
	90-percentile Value	0.2	0.1	0.2
	Maximum 24-hour Average	0.3	0.1	0.2
	Maximum 1-hour Value	1.0	0.3	0.9

\*\*\* 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		OCT	NOV	DEC
<b>Central East Sydney region</b>				
EARLWOOD				
Beaman Park				
Riverview Rd				
	Number of Samples	5	5	6
	Monthly Average	25	31	32
	Highest Value	36	45	45
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	Number of Samples	5	4	6
	Monthly Average	30	33	32
	Highest Value	35	43	38
<b>Illawarra region</b>				
PORT KEMBLA				
Cnr Church & Kembla Sts				
	Number of Samples	5	5	6
	Monthly Average	41	38	38
	Highest Value	58	55	51
PORT KEMBLA				
Fire Station				
Military Road				
	Number of Samples	5	5	6
	Monthly Average	64	65	65
	Highest Value	102	109	93
WARRAWONG				
Carlotta Cres				
	Number of Samples	***	***	2
	Monthly Average	***	***	97
	Highest Value	***	***	138

\*\*\* Data not available

1999 Data

TABLE 4.3

**PARTICULATE MATTER: LESS THAN 10µm (PM<sub>10</sub>)**Micrograms per cubic metre at 0° Celsius (µg/m<sup>3</sup> at 0°C)

24-HOUR CLOCK SAMPLE (6-DAY CYCLE)

MONITORING SITE		OCT	NOV	DEC
<b>Central East Sydney region</b>				
EARLWOOD				
Beaman Park				
Riverview Rd				
	Number of Samples	5	5	6
	Monthly Average	15	16	16
	Highest Value	22	23	21
LINDFIELD				
Bradfield Rd				
	Number of Samples	4	5	5
	Monthly Average	19	13	14
	Highest Value	47	22	17
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	Number of Samples	5	5	6
	Monthly Average	15	16	16
	Highest Value	21	23	19
<b>North West Sydney region</b>				
BLACKTOWN				
Flushcombe Rd				
	Number of Samples	5	4	6
	Monthly Average	13	16	16
	Highest Value	19	23	22
RICHMOND				
University Of Western Sydney				
Vines Rd				
	Number of Samples	4	4	6
	Monthly Average	11	11	12
	Highest Value	19	17	16
<b>Illawarra region</b>				
ALBION PARK				
Croome Rd				
	Number of Samples	5	5	6
	Monthly Average	13	15	15
	Highest Value	20	18	19
KEMBLA GRANGE				
Kembla Grange Racecourse				
Princes Hwy				
	Number of Samples	5	5	6
	Monthly Average	18	17	19
	Highest Value	26	22	26

\*\*\* Data not available

1999 Data

**TABLE 4.3 (Cont'd)**

**PARTICULATE MATTER: LESS THAN 10µm (PM<sub>10</sub>)**

Micrograms per cubic metre at 0° Celsius (µg/m<sup>3</sup> at 0°C)

24-HOUR CLOCK SAMPLE (6-DAY CYCLE)

MONITORING SITE		OCT	NOV	DEC
<b>Illawarra region (Cont'd)</b>				
<b>WARRAWONG</b>				
Carlotta Cres				
	Number of Samples	5	5	6
	Monthly Average	17	15	16
	Highest Value	21	21	20
<b>WOLLONGONG</b>				
Gipps St				
	Number of Samples	5	5	6
	Monthly Average	15	12	13
	Highest Value	25	18	14
<b>Lower Hunter region</b>				
<b>BERESFIELD</b>				
Francis Greenway				
High School				
	Number of Samples	5	5	6
	Monthly Average	14	14	17
	Highest Value	20	19	26
<b>NEWCASTLE</b>				
Athletics Field				
Smith St				
	Number of Samples	5	5	6
	Monthly Average	19	18	19
	Highest Value	26	28	27
<b>WALLSEND</b>				
Swimming Pool				
Frances St				
	Number of Samples	5	5	6
	Monthly Average	14	14	16
	Highest Value	17	18	21
<b>South Coast region</b>				
<b>NOWRA</b>				
Sewerage Plant				
	Number of Samples	5	5	6
	Monthly Average	7	15	7
	Highest Value	10	44	9

\*\*\* Data not available

1999 Data

TABLE 4.4

**PARTICULATE MATTER: BY TAPERED ELEMENT  
OSCILLATING MICROBALANCE (TEOM-PM<sub>10</sub>)**

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		OCT	NOV	DEC
<b>Central East Sydney region</b>				
<b>EARLWOOD</b>				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	88	49	92
	Average	14	12	14
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	27	23	32
	90-percentile Value	42	34	70
	Maximum 1-hour Value	67	36	80
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
<b>LIDCOMBE</b>				
EPA Laboratories				
Weeroona Rd	ALL HOURS IN MONTH:			
	% Sampling Time	98	98	96
	Average	17	16	16
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	31	30	31
	90-percentile Value	47	42	46
	Maximum 1-hour Value	53	57	58
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
<b>LINDFIELD</b>				
Bradfield Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	99	100	99
	Average	13	12	13
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	22	22	24
	90-percentile Value	32	31	35
	Maximum 1-hour Value	49	39	47
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
<b>RANDWICK</b>				
Randwick Barracks				
Cnr Avoca & Bundock Sts	ALL HOURS IN MONTH:			
	% Sampling Time	98	99	99
	Average	18	15	17
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	31	28	29
	90-percentile Value	43	40	44
	Maximum 1-hour Value	89	46	53
	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-PM<sub>10</sub>)**

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	OCT	NOV	DEC
<b>Central East Sydney region (Cont'd)</b>			
<b>WOOLLOOWARE</b>			
Woollooware Rd			
ALL HOURS IN MONTH:			
% Sampling Time	99	100	95
Average	17	15	18
DAILY 1-HOUR MAXIMA:			
Monthly Average	33	28	35
90-percentile Value	47	45	65
Maximum 1-hour Value	59	60	147
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
<b>North West Sydney region</b>			
<b>BLACKTOWN</b>			
Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	81	98	99
Average	15	14	14
DAILY 1-HOUR MAXIMA:			
Monthly Average	26	27	29
90-percentile Value	43	36	39
Maximum 1-hour Value	48	50	63
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
<b>RICHMOND</b>			
University Of Western Sydney			
Vines Rd			
ALL HOURS IN MONTH:			
% Sampling Time	98	93	89
Average	13	13	16
DAILY 1-HOUR MAXIMA:			
Monthly Average	27	29	33
90-percentile Value	41	41	51
Maximum 1-hour Value	48	60	68
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
<b>ST MARYS</b>			
Mamre Rd			
ALL HOURS IN MONTH:			
% Sampling Time	99	98	97
Average	14	13	16
DAILY 1-HOUR MAXIMA:			
Monthly Average	30	29	32
90-percentile Value	57	49	50
Maximum 1-hour Value	82	56	62
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-PM<sub>10</sub>)**

Micrograms per cubic metre at 0° Celsius (µg/m<sup>3</sup> at 0°C)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:

24-hour average = 50 µg/m<sup>3</sup>

MONITORING SITE		OCT	NOV	DEC
<b>North West Sydney region (Cont'd)</b>				
VINEYARD				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	99	100	99
	Average	13	13	14
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	27	25	28
	90-percentile Value	41	37	40
	Maximum 1-hour Value	61	64	58
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	90	81	72
	Average	15	13	13
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	26	28	25
	90-percentile Value	39	41	36
	Maximum 1-hour Value	51	42	46
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
<b>South West Sydney region</b>				
BRINGELLY				
Ramsay Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	***	72	90
	Average	***	15	18
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	***	28	33
	90-percentile Value	***	44	49
	Maximum 1-hour Value	***	55	97
	NEPM STANDARD LEVEL:			
	No. Days Above Level	***	0	0
CAMPBELLTOWN				
Kanbyugal Reserve				
Cronulla Cres.	ALL HOURS IN MONTH:			
	% Sampling Time	80	69	93
	Average	15	16	16
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	31	30	28
	90-percentile Value	46	48	36
	Maximum 1-hour Value	51	123	42
	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-PM<sub>10</sub>)**

Micrograms per cubic metre at 0° Celsius (µg/m<sup>3</sup> at 0°C)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:

24-hour average = 50 µg/m<sup>3</sup>

MONITORING SITE	OCT	NOV	DEC
<b>South West Sydney region (Cont'd)</b>			
LIVERPOOL			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	98	98	96
Average	15	14	17
DAILY 1-HOUR MAXIMA:			
Monthly Average	27	27	31
90-percentile Value	42	40	48
Maximum 1-hour Value	44	46	58
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
<b>Illawarra region</b>			
ALBION PARK			
Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	98	97	96
Average	12	12	14
DAILY 1-HOUR MAXIMA:			
Monthly Average	27	34	35
90-percentile Value	48	50	70
Maximum 1-hour Value	66	223	88
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	97	98	86
Average	18	16	17
DAILY 1-HOUR MAXIMA:			
Monthly Average	40	34	33
90-percentile Value	59	50	52
Maximum 1-hour Value	63	56	57
NEPM STANDARD LEVEL:			
No. Days Above Level	0	0	0
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	99	99	98
Average	18	15	18
DAILY 1-HOUR MAXIMA:			
Monthly Average	38	31	38
90-percentile Value	56	44	68
Maximum 1-hour Value	77	91	112
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-PM<sub>10</sub>)**

Micrograms per cubic metre at 0° Celsius (µg/m<sup>3</sup> at 0°C)  
1-HOUR CLOCK AVERAGE

**NEPM STANDARD LEVEL:  
24-hour average = 50 µg/m<sup>3</sup>**

MONITORING SITE		OCT	NOV	DEC
<i>Lower Hunter region</i>				
BERESFIELD				
Francis Greenway				
High School	ALL HOURS IN MONTH:			
	% Sampling Time	92	99	99
	Average	17	17	18
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	34	42	42
	90-percentile Value	53	82	94
	Maximum 1-hour Value	90	104	125
	NEPM STANDARD LEVEL:			
	No. Days Above Level	0	0	0
WALLSEND				
Swimming Pool				
Frances St	ALL HOURS IN MONTH:			
	% Sampling Time	68	99	99
	Average	16	14	16
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	29	25	33
	90-percentile Value	42	38	45
	Maximum 1-hour Value	48	42	52
	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<sub>2.5</sub>)Micrograms per cubic metre at 0° Celsius (µg/m<sup>3</sup> at 0°C)

1-HOUR CLOCK AVERAGE

MONITORING SITE		OCT	NOV	DEC
<b>Central East Sydney region</b>				
EARLWOOD				
Beaman Park				
Riverview Rd	ALL HOURS IN MONTH:			
	% Sampling Time	98	100	96
	Average	10	8	10
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	16	15	21
	90-percentile Value	23	20	31
	Maximum 1-hour Value	23	31	36
LIDCOMBE				
EPA Laboratories				
Weeroona Rd	ALL HOURS IN MONTH:			
	% Sampling Time	99	99	99
	Average	10	7	8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	16	14	15
	90-percentile Value	22	20	22
	Maximum 1-hour Value	24	25	39
WOOLOOWARE				
Woolooware Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	99	100	99
	Average	9	7	8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	16	14	15
	90-percentile Value	24	23	22
	Maximum 1-hour Value	25	27	25
<b>North West Sydney region</b>				
RICHMOND				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	99	97	97
	Average	6	5	6
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	12	11	11
	90-percentile Value	18	18	18
	Maximum 1-hour Value	20	29	21
WESTMEAD				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	99	99	99
	Average	9	8	8
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	16	15	17
	90-percentile Value	24	22	25
	Maximum 1-hour Value	27	28	25

\*\*\* Data not available

1999 Data

TABLE 4.5 (Cont'd)

**PARTICULATE MATTER: BY TAPERED ELEMENT  
OSCILLATING MICROBALANCE (TEOM-PM<sub>2.5</sub>)**

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

1-HOUR CLOCK AVERAGE

MONITORING SITE	OCT	NOV	DEC
<b>South West Sydney region</b>			
LIVERPOOL			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	99	90	99
Average	9	8	8
DAILY 1-HOUR MAXIMA:			
Monthly Average	15	13	15
90-percentile Value	22	18	22
Maximum 1-hour Value	32	21	29
<b>Illawarra region</b>			
WARRAWONG			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	97	98	98
Average	9	8	8
DAILY 1-HOUR MAXIMA:			
Monthly Average	18	14	17
90-percentile Value	27	24	26
Maximum 1-hour Value	38	27	38
WOLLONGONG			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	99	99	99
Average	9	7	8
DAILY 1-HOUR MAXIMA:			
Monthly Average	16	12	14
90-percentile Value	22	19	20
Maximum 1-hour Value	26	26	24
<b>Lower Hunter region</b>			
BERESFIELD			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	98	81	83
Average	8	7	7
DAILY 1-HOUR MAXIMA:			
Monthly Average	16	15	14
90-percentile Value	29	23	20
Maximum 1-hour Value	41	71	32
WALLSEND			
Swimming Pool			
Frances St			
ALL HOURS IN MONTH:			
% Sampling Time	67	98	99
Average	8	7	7
DAILY 1-HOUR MAXIMA:			
Monthly Average	15	13	13
90-percentile Value	23	20	17
Maximum 1-hour Value	26	28	18

\*\*\* Data not available

1999 Data

**TABLE 5**  
**SULFUR DIOXIDE (SO<sub>2</sub>)**

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

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE	OCT	NOV	DEC
<b>Central East Sydney region</b>			
LINDFIELD			
Bradfield Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	95	94
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.4	0.5	0.4
90-percentile Value	0.9	0.8	0.9
Maximum 1-hour Value	1.4	3.1	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	93	95	95
Average	0.2	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.7	0.5	0.7
90-percentile Value	1.8	1.2	1.7
Maximum 1-hour Value	2.2	2.1	3.1
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
WOOLOOWARE			
Woolooware Rd			
ALL HOURS IN MONTH:			
% Sampling Time	96	95	96
Average	0.1	0.0	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.4	0.2	0.3
90-percentile Value	0.7	0.7	0.9
Maximum 1-hour Value	3.0	0.9	1.1
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
<b>North West Sydney region</b>			
BLACKTOWN			
Flushcombe Rd			
ALL HOURS IN MONTH:			
% Sampling Time	95	93	96
Average	0.1	0.0	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.3	0.2	0.4
90-percentile Value	0.7	0.4	0.9
Maximum 1-hour Value	0.9	0.5	2.0
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 (SO<sub>2</sub>)**

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

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

<b>MONITORING SITE</b>		<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
<b>North West Sydney region (Cont'd)</b>				
<b>RICHMOND</b>				
University Of Western Sydney				
Vines Rd	ALL HOURS IN MONTH:			
	% Sampling Time	94	88	95
	Average	0.0	0.0	0.0
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.2	0.1	0.2
	90-percentile Value	0.5	0.3	0.5
	Maximum 1-hour Value	0.9	0.3	0.7
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
<b>VINEYARD</b>				
Castle Hill STP				
Bandon Rd	ALL HOURS IN MONTH:			
	% Sampling Time	93	96	95
	Average	0.1	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.3	0.2	0.4
	90-percentile Value	0.7	0.5	0.9
	Maximum 1-hour Value	1.1	0.6	1.0
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
<b>South West Sydney region</b>				
<b>BARGO</b>				
Silica Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	96	95	95
	Average	0.1	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.2	0.1	0.2
	90-percentile Value	0.3	0.3	0.5
	Maximum 1-hour Value	0.6	0.3	1.2
	NEPM STANDARD LEVEL:			
	No. Events Above Level	0 (0)	0 (0)	0 (0)
<b>BRINGELLY</b>				
Ramsay Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	88	94
	Average	0.1	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.2	0.2	0.3
	90-percentile Value	0.4	0.4	0.9
	Maximum 1-hour Value	0.7	0.4	1.2
	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 (SO<sub>2</sub>)**

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

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

MONITORING SITE	OCT	NOV	DEC
<b>Illawarra region</b>			
<b>ALBION PARK</b>			
Croome Rd			
ALL HOURS IN MONTH:			
% Sampling Time	94	94	94
Average	0.1	0.1	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.4	0.3	0.6
90-percentile Value	1.3	0.8	2.1
Maximum 1-hour Value	1.9	1.8	3.3
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
<b>WARRAWONG</b>			
Carlotta Cres			
ALL HOURS IN MONTH:			
% Sampling Time	93	95	95
Average	0.2	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.7	0.5	0.8
90-percentile Value	2.0	1.3	2.1
Maximum 1-hour Value	3.5	2.2	4.5
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
<b>WOLLONGONG</b>			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	94	96	95
Average	0.2	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.6	0.5	0.6
90-percentile Value	1.5	1.2	1.1
Maximum 1-hour Value	2.3	1.7	1.7
NEPM STANDARD LEVEL:			
No. Events Above Level	0 (0)	0 (0)	0 (0)
<b>Lower Hunter region</b>			
<b>BERESFIELD</b>			
Francis Greenway			
High School			
ALL HOURS IN MONTH:			
% Sampling Time	95	94	78
Average	0.1	0.1	0.1
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.5	0.5	0.6
90-percentile Value	1.4	0.9	1.1
Maximum 1-hour Value	2.0	1.1	1.6
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 (SO<sub>2</sub>)**

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

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

<b>MONITORING SITE</b>		<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
<b>Lower Hunter region (Cont'd)</b>				
WALLSEND				
Swimming Pool				
Frances St	ALL HOURS IN MONTH:			
	% Sampling Time	66	95	95
	Average	0.2	0.2	0.2
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.8	1.4	0.9
	90-percentile Value	1.8	3.1	1.9
	Maximum 1-hour Value	3.0	7.4	3.3
	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		OCT	NOV	DEC
<b>Central East Sydney region</b>				
<b>ROZELLE</b>				
Rozelle Hospital				
Balmain Rd	ALL HOURS IN MONTH:			
	% Sampling Time	94	92	92
	Average	0.3	0.3	0.3
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.0	0.8	0.7
	90-percentile Value	2.0	1.3	1.1
	Maximum 1-hour Value	3.5	1.8	1.5
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	0
	No. Days Above Level	0	0	0
<b>North West Sydney region</b>				
<b>BLACKTOWN</b>				
Flushcombe Rd				
	ALL HOURS IN MONTH:			
	% Sampling Time	95	82	95
	Average	0.3	0.1	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	1.2	0.6	0.8
	90-percentile Value	2.0	1.7	1.7
	Maximum 1-hour Value	2.4	1.9	1.9
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	0	0
	No. Days Above Level	0	0	0
<b>WESTMEAD</b>				
Westmead Hospital				
Hainsworth St	ALL HOURS IN MONTH:			
	% Sampling Time	57	***	70
	Average	0.2	***	0.1
	DAILY 1-HOUR MAXIMA:			
	Monthly Average	0.8	***	0.8
	90-percentile Value	1.6	***	1.6
	Maximum 1-hour Value	1.6	***	1.8
	NEPM STANDARD LEVEL:			
	No.Events Above Level	0	***	0
	No. Days Above Level	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

<b>MONITORING SITE</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
<b>South West Sydney region</b>			
<b>LIVERPOOL</b>			
Rose St			
ALL HOURS IN MONTH:			
% Sampling Time	37	78	81
Average	0.7	0.2	0.2
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.4	0.7	0.7
90-percentile Value	2.7	1.3	1.2
Maximum 1-hour Value	2.9	1.5	1.7
NEPM STANDARD LEVEL:			
No.Events Above Level	0	0	0
No. Days Above Level	0	0	0
<b>Illawarra region</b>			
<b>WOLLONGONG</b>			
Gipps St			
ALL HOURS IN MONTH:			
% Sampling Time	93	96	95
Average	0.4	0.3	0.3
DAILY 1-HOUR MAXIMA:			
Monthly Average	1.2	0.7	0.7
90-percentile Value	1.8	1.1	1.4
Maximum 1-hour Value	2.3	1.9	2.1
NEPM STANDARD LEVEL:			
No.Events Above Level	0	0	0
No. Days Above Level	0	0	0
<b>Lower Hunter region</b>			
<b>NEWCASTLE</b>			
Athletics Field			
Smith St			
ALL HOURS IN MONTH:			
% Sampling Time	96	95	95
Average	0.1	0.0	0.0
DAILY 1-HOUR MAXIMA:			
Monthly Average	0.3	0.1	0.1
90-percentile Value	1.0	0.4	0.2
Maximum 1-hour Value	1.2	0.6	1.4
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 (µg/m<sup>3</sup> at 0°C)

24-HOUR CLOCK SAMPLE (6 DAY CYCLE)

MONITORING SITE		OCT	NOV	DEC
<b>Central East Sydney region</b>				
EARLWOOD				
Beaman Park				
Riverview Rd				
	Number of Samples	5	5	6
	Monthly Average	0.1 *	0.1 *	0.1 *
	Highest Value	0.1	0.1	0.1
ROZELLE				
Rozelle Hospital				
Balmain Rd				
	Number of Samples	5	4	6
	Monthly Average	0.1 *	0.1 *	0.1 *
	Highest Value	0.1	0.1	0.1
<b>Illawarra region</b>				
PORT KEMBLA				
Cnr Church & Kembla Sts				
	Number of Samples	5	5	6
	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	6
	Monthly Average	0.1 *	0.1 *	0.1 *
	Highest Value	0.1	0.2	0.2
WARRAWONG				
Carlotta Cres				
	Number of Samples	***	***	1
	Monthly Average	***	***	0.1
	Highest Value	***	***	0.1

\*\*\* Data not available

1999 Data

\* 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)

<b>MONITORING SITE</b>		<b>OCT</b>	<b>NOV</b>	<b>DEC</b>
<b><i>Illawarra region</i></b>				
<b>PORT KEMBLA</b>				
Cnr Church & Kembla Sts				
	Number of Samples	5	5	6
	Monthly Average	<0.02 *	<0.02 *	<0.02 *
	Highest Value	<0.02	<0.02	<0.02
<b>PORT KEMBLA</b>				
Fire Station				
Military Road				
	Number of Samples	5	5	6
	Monthly Average	<0.02 *	<0.02 *	<0.02 *
	Highest Value	<0.02	<0.02	<0.02

\*\*\* Data not available

\* Average value calculated with some data less than detection limit

**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					
	OCT		NOV		DEC		OCT		NOV		DEC		OCT		NOV		DEC	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
1	17	19	14	14	13	15	22	21	15	16	29	31	25	23	15	16	29	32
2	25	29	14	13	12	17	17	27	15	14	23	25	20	26	14	15	27	28
3	17	13	13	13	13	27	22	15	13	42	25	33	28	14	12	14	33	32
4	19	17	13	15	22	18	13	24	13	16	29	17	12	19	13	19	30	19
5	16	13	13	15	12	17	13	12	16	21	15	26	13	13	18	22	19	27
6	13	13	14	23	18	13	13	15	19	22	27	18	20	15	22	23	27	22
7	14	15	21	21	12	17	14	17	21	21	17	29	14	19	20	24	17	29
8	14	19	25	13	12	25	16	25	28	16	26	38	19	22	26	23	24	32
9	18	30	11	12	30	16	25	30	13	14	46	19	20	29	15	15	38	18
10	28	32	12	12	16	10	32	28	13	13	19	11	31	26	14	13	16	11
11	23	23	12	13	11	18	23	22	13	15	11	20	23	22	14	17	11	18
12	16	18	13	15	19	11	18	22	16	16	21	15	19	24	28	19	18	21
13	16	15	12	19	11	13	20	16	16	20	14	22	21	19	20	19	24	23
14	14	15	17	20	12	10	12	13	18	18	23	17	16	13	18	19	28	19
15	13	16	17	24	10	14	14	23	18	26	18	25	15	22	18	27	19	25
16	17	16	25	13	13	20	21	15	32	15	25	29	23	15	26	17	29	25
17	14	15	13	13	15	15	14	21	13	16	21	14	15	18	13	16	21	15
18	14	25	13	12	11	13	21	28	13	13	12	23	18	31	15	14	13	21
19	17	13	12	16	11	10	28	14	12	20	22	10	27	13	13	19	17	15
20	13	14	16	13	9	8	13	17	24	17	10	11	13	17	19	23	11	14
21	14	20	13	11	8	9	16	25	17	10	10	14	17	22	24	10	12	16
22	17	20	10	18	9	11	24	21	10	27	15	16	23	18	10	19	20	17
23	16	13	15	14	8	14	18	12	16	15	15	19	17	11	18	16	14	19
24	19	19	12	14	12	6	15	18	14	16	22	9	13	19	16	17	19	7
25	14	14	13	16	8	8	17	14	13	20	8	8	17	16	17	23	9	11
26	15	16	15	34	8	9	14	21	18	30	8	8	16	18	25	28	9	13
27	15	22	34	12	9	10	20	26	24	11	10	12	20	25	25	14	13	10
28	21	27	11	10	9	28	29	19	10	13	15	20	25	23	11	17	11	20
29	31	26	11	21	19	8	23	26	13	25	16	8	26	30	16	27	12	9
30	30	23	22	23	8	13	33	20	28	26	9	16	29	23	31	32	9	22
31	25	26			10	10	22	20			15	10	13	17			30	11

	PERCENTAGE FREQUENCY																	
	Eastern Sydney						South Western Sydney						North Western Sydney					
	OCT		NOV		DEC		OCT		NOV		DEC		OCT		NOV		DEC	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW	84	77	90	97	97	90	84	74	90	80	77	74	77	81	80	87	71	74
MED	16	23	10	3	3	10	16	26	10	20	23	26	23	19	20	13	29	26
HIGH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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																		
	Newcastle						Wallsend						Beresfield						
	OCT		NOV		DEC		OCT		NOV		DEC		OCT		NOV		DEC		
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	
1	12	14	13	15	11	11	12	17	14	16	9	9	15	17	13	15	12	17	
2	18	31	13	12	10	9	10		14	12	5	5	16	25	12	12	11	14	
3	33	23	12	13	7	12			12	13	4	7	28	14	11	13	10	20	
4	27	17	12	13	11	16			12	13	7	11	11	17	11	12	16	14	
5	18	14	12	15	12	12			13	16	12	9	15	14	11	17	12	14	
6	13	15	15	20	14	15	7	10	13	21	6	7	12	13	14	21	12	15	
7	14	16	17	19	11	12			17	19	17	12	11	16	19	20	24	13	
8	15	15	15	18	12	15			17	12	10	30	13	17	18	14	10	24	
9	14	19	13	15	19	18			11	15	22	16	16	24	11	14	25	27	
10	20	26	13	9	15	10			15	13	13	10	25	24	15	13	18	11	
11	33	23	11	12	15	15			13	14	11	14	23	23	12	14	8	14	
12	20	18	13	16	18	12		17	14	16	18	14	21	17	13	15	19	14	
13	16	15	12	17	13	14	15	17	15	18	16	12	16	18	14	19	15	13	
14	13	13	16	19	19	10	13	14	19	19	16	11	15	17	18	20	18	11	
15	14	14	20	18	9	10	9	17	20	27	9	12	8	20	18	26	10	13	
16	20	16	26	13	14	12	15	16	27	14	10	22	18	16	21	13	13	21	
17	14	14	13	12	18	13	15	15	13	12	20	14	14	15	13	12	24	16	
18	14	16	13	12	11	11	13	20	12	13	10	11	14	23	10	12	13	12	
19	21	12	12	16	10	16	16	10	10	15	11	18	16	11	9	14	12	19	
20	12	9	12	12	11	8	10	19	12	12	11	8	10	17	12	12	12	8	
21	8	6	11	10	8	7	19	20	12	9	8	7	18	22	12	9	7	7	
22	9	20	8	16	10	9	21	20	8	16	7	11	22	22	8	16	7	12	
23	20	15	16	25	10	7	20	14	16	24	10	9	21	13	18	18	9	9	
24	21	19	27	13	6	5	18	18	27	12	8	7	20	19	25	13	9	6	
25	13	13	13	13	8	8	14	15	12	14	7	11	14	15	13	14	8	9	
26	13	15	12	15	7	8	15	16	12	19	7	9	15	17	13	23	8	10	
27	16	18	20	12	7	9	17	20	22	12	9	9	17	21	19	11	10	10	
28	18	18	11	11	10	13	20	18	34	11	10	15	21	19	10	10	10	15	
29	19	16	10	15	16	8	17	22	10	14	14	6	18	23	11	14	14	9	
30	19	16	11	13	12	18	22	19	13	13	7	16	25	18	12	15	6	17	
31	46	38			20	10	36	35				20	10	27	21			20	10

	PERCENTAGE FREQUENCY																	
	Newcastle						Wallsend						Beresfield					
	OCT		NOV		DEC		OCT		NOV		DEC		OCT		NOV		DEC	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW	87	90	93	97	100	100	95	95	90	97	100	97	87	97	97	97	97	97
MED	13	10	7	3	0	0	5	5	10	3	0	3	13	3	3	3	3	3
HIGH	0	0	0	0	0	0	0	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					
	OCT		NOV		DEC		OCT		NOV		DEC	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
1	19	19	14	14	17	24	17	14	14	13	14	15
2	16	16	15	13	12	17	22	23	13	12	12	11
3	15	16	13	14	10	29	25	24	12	13	9	22
4	22	15	13	15	20	16	19	20	12	7	20	15
5	15	14	14	18	14	14	14	10	8	16	12	12
6	14	14	15	20	13	12	12	11	13	18	12	11
7	14	17	21	16	13	14	9	16	19	15	12	14
8	17	21	17	13	12	17	15	28	16	11	10	13
9	14	28	13	12	18	15	18	25	11	11	22	16
10	42	26	13	12	17	11	30	25	11	10	16	9
11	24	22	13	13	12	19	22	21	10	12	9	16
12	18	18	14	14	17	11	15	19	12	15	17	10
13	16	14	14	17	12	12	14	13	13	3	11	6
14	12	14	18	17	12	11	17	13	11	1	6	11
15	12	16	17	24	10	19	11	17	12	24	9	13
16	16	16	18	14	12	33	16	15	19	12	11	20
17	16	16	14	14	23	12	13	15	11	12	20	9
18	15	29	13	12	13	12	14	23	11	11	7	11
19	20	15	12	15	11	9	20	12	10	13	9	8
20	14	14	14	13	9	9	10	13	12	12	6	8
21	14	24	11	11	9	9	13	21	10	3	6	9
22	22	22	10	17	9	10	19	20	5	14	7	10
23	21	13	17	13	9	14	13	11	14	12	8	9
24	15	17	13	13	10	7	14	14	11	12	9	7
25	19	17	14	20	8	9	16	14	12	16	8	8
26	15	16	15	21	8	6	13	14	13	22	8	7
27	17	22	18	12	6	10	15	20	11	10	12	7
28	24	20	11	12	7	18	23	23	10	11	15	16
29	20	26	12	18	13	9	22	10	10	17	10	7
30	32	21	17	23	8	9	25	19	17	16	7	8
31	15	11			9	10	13	12			7	9

	PERCENTAGE FREQUENCY											
	Albion Park						Wollongong					
	OCT		NOV		DEC		OCT		NOV		DEC	
	am	pm	am	pm	am	pm	am	pm	am	pm	am	pm
LOW	94	87	100	100	100	94	90	90	100	100	100	100
MED	6	13	0	0	0	6	10	10	0	0	0	0
HIGH	0	0	0	0	0	0	0	0	0	0	0	0

1999 Data