

Quarterly
Air Quality
Monitoring
Report

3
2002

Part A: EPA Data

July – August – September
2002

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**TABLE 1
OZONE (O₃)**

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

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

| MONITORING SITE | | JUL | AUG | SEP |
|-----------------------------------|---------------------------|-------|-------|-------|
| Central East Sydney region | | | | |
| EARLWOOD | | | | |
| Beaman Park | | | | |
| Riverview Rd | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 84 | 95 | 96 |
| | Average | 1.1 | 1.2 | 1.6 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.4 | 2.8 | 3.4 |
| | 90-percentile Value | 2.9 | 3.2 | 4.7 |
| | Maximum 1-hour Value | 3.1 | 3.8 | 6.1 |
| | Maximum 4-hour Value | 2.8 | 3.4 | 5.3 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 (0) | 0 (0) | 0 (0) |
| | No. Days Above Level | 0 (0) | 0 (0) | 0 (0) |
| | NSW GOV'T LONG TERM GOAL: | | | |
| | No. Hours Above Goal | 0 (0) | 0 (0) | 0 (0) |
| | No. Days Above Goal | 0 (0) | 0 (0) | 0 (0) |
| LINDFIELD | | | | |
| Bradfield Rd | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 95 | 96 | 90 |
| | Average | 1.3 | 1.4 | 2.1 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.8 | 3.2 | 3.8 |
| | 90-percentile Value | 3.5 | 3.6 | 4.6 |
| | Maximum 1-hour Value | 3.8 | 4.8 | 5.9 |
| | Maximum 4-hour Value | 3.5 | 4.4 | 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 (0) | 0 (0) | 0 (0) |
| | No. Days Above Goal | 0 (0) | 0 (0) | 0 (0) |
| RANDWICK | | | | |
| Randwick Barracks | | | | |
| Cnr Avoca & Bundock Sts | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 95 | 89 | 86 |
| | Average | 1.2 | 1.6 | 2.1 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.7 | 3.2 | 3.8 |
| | 90-percentile Value | 3.3 | 3.7 | 4.8 |
| | Maximum 1-hour Value | 3.7 | 4.0 | 5.7 |
| | Maximum 4-hour Value | 3.6 | 3.9 | 5.6 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 (0) | 0 (0) | 0 (0) |
| | No. Days Above Level | 0 (0) | 0 (0) | 0 (0) |
| | NSW GOV'T LONG TERM GOAL: | | | |
| | No. Hours Above Goal | 0 (0) | 0 (0) | 0 (0) |
| | No. Days Above Goal | 0 (0) | 0 (0) | 0 (0) |

*** Data not available

2002 Data

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

TABLE 1 (Cont'd)
OZONE (O₃)

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

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

| MONITORING SITE | JUL | AUG | SEP |
|--|-------|-------|-------|
| Central East Sydney region (Cont'd) | | | |
| ROZELLE | | | |
| Rozelle Hospital | | | |
| Balmain Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 57 | 95 | 85 |
| Average | 1.2 | 1.4 | 1.9 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 2.6 | 3.0 | 3.7 |
| 90-percentile Value | 2.9 | 3.4 | 4.7 |
| Maximum 1-hour Value | 3.1 | 4.0 | 7.2 |
| Maximum 4-hour Value | 2.9 | 3.5 | 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) |
| WOOLLOOWARE | | | |
| Woollooware Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 95 | 96 | 95 |
| Average | 1.1 | 1.5 | 1.8 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 2.3 | 2.7 | 3.2 |
| 90-percentile Value | 2.7 | 3.2 | 3.8 |
| Maximum 1-hour Value | 2.9 | 3.4 | 6.4 |
| Maximum 4-hour Value | 2.8 | 3.3 | 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) |
| North West Sydney region | | | |
| BLACKTOWN | | | |
| Flushcombe Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 96 | 80 | 72 |
| Average | 1.3 | 1.4 | 2.0 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 2.8 | 3.1 | 3.7 |
| 90-percentile Value | 3.3 | 3.6 | 4.5 |
| Maximum 1-hour Value | 3.7 | 4.1 | 5.0 |
| Maximum 4-hour Value | 3.5 | 3.8 | 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) |

*** Data not available

2002 Data

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

TABLE 1 (Cont'd)
OZONE (O₃)

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

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

| MONITORING SITE | JUL | AUG | SEP |
|--|-------|-------|-------|
| North West Sydney region (Cont'd) | | | |
| KURRAJONG HEIGHTS | | | |
| Bells Line of Road | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 96 | 96 | 83 |
| Average | 2.2 | 2.5 | 2.8 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 3.0 | 3.3 | 3.7 |
| 90-percentile Value | 3.3 | 4.0 | 4.7 |
| Maximum 1-hour Value | 3.5 | 4.2 | 5.6 |
| Maximum 4-hour Value | 3.4 | 4.1 | 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) |
| RICHMOND | | | |
| University Of Western Sydney | | | |
| Vines Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 96 | 96 | 86 |
| Average | 1.3 | 1.5 | 2.2 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 2.9 | 3.4 | 3.8 |
| 90-percentile Value | 3.4 | 4.0 | 4.7 |
| Maximum 1-hour Value | 3.5 | 4.1 | 5.5 |
| Maximum 4-hour Value | 3.3 | 3.9 | 4.9 |
| NEPM STANDARD LEVEL: | | | |
| No. Hours Above Level | 0 (0) | 0 (0) | 0 (0) |
| No. Days Above Level | 0 (0) | 0 (0) | 0 (0) |
| NSW GOV'T LONG TERM GOAL: | | | |
| No. Hours Above Goal | 0 (0) | 0 (0) | 0 (0) |
| No. Days Above Goal | 0 (0) | 0 (0) | 0 (0) |
| ST MARYS | | | |
| Mamre Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 95 | 95 | 96 |
| Average | 1.2 | 1.3 | 2.0 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 2.8 | 3.3 | 4.0 |
| 90-percentile Value | 3.2 | 3.8 | 5.3 |
| Maximum 1-hour Value | 3.4 | 4.1 | 6.5 |
| Maximum 4-hour Value | 3.3 | 3.7 | 5.5 |
| NEPM STANDARD LEVEL: | | | |
| No. Hours Above Level | 0 (0) | 0 (0) | 0 (0) |
| No. Days Above Level | 0 (0) | 0 (0) | 0 (0) |
| NSW GOV'T LONG TERM GOAL: | | | |
| No. Hours Above Goal | 0 (0) | 0 (0) | 0 (0) |
| No. Days Above Goal | 0 (0) | 0 (0) | 0 (0) |

*** Data not available

2002 Data

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

TABLE 1 (Cont'd)
OZONE (O₃)

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

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

| MONITORING SITE | | JUL | AUG | SEP |
|--|---------------------------|-------|-------|-------|
| North West Sydney region (Cont'd) | | | | |
| VINEYARD | | | | |
| Castle Hill STP | | | | |
| Bandon Rd | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 95 | 95 | 92 |
| | Average | 1.7 | 1.7 | 2.3 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 3.2 | 3.4 | 3.7 |
| | 90-percentile Value | 3.6 | 4.1 | 4.6 |
| | Maximum 1-hour Value | 4.3 | 4.2 | 5.5 |
| | Maximum 4-hour Value | 3.8 | 3.9 | 4.8 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 (0) | 0 (0) | 0 (0) |
| | No. Days Above Level | 0 (0) | 0 (0) | 0 (0) |
| | NSW GOV'T LONG TERM GOAL: | | | |
| | No. Hours Above Goal | 0 (0) | 0 (0) | 0 (0) |
| | No. Days Above Goal | 0 (0) | 0 (0) | 0 (0) |
| WESTMEAD | | | | |
| Westmead Hospital | | | | |
| Hainsworth St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 93 | 96 | 95 |
| | Average | 1.2 | 1.3 | 1.8 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.7 | 3.2 | 4.0 |
| | 90-percentile Value | 3.3 | 3.8 | 5.5 |
| | Maximum 1-hour Value | 4.9 | 5.0 | 6.4 |
| | Maximum 4-hour Value | 3.8 | 4.2 | 5.3 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 (0) | 0 (0) | 0 (0) |
| | No. Days Above Level | 0 (0) | 0 (0) | 0 (0) |
| | NSW GOV'T LONG TERM GOAL: | | | |
| | No. Hours Above Goal | 0 (0) | 0 (0) | 0 (0) |
| | No. Days Above Goal | 0 (0) | 0 (0) | 0 (0) |
| South West Sydney region | | | | |
| BARGO | | | | |
| Silica Rd | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 95 | 95 | 93 |
| | Average | 2.1 | 2.0 | 2.4 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 3.2 | 3.4 | 4.0 |
| | 90-percentile Value | 3.5 | 3.9 | 5.5 |
| | Maximum 1-hour Value | 3.8 | 3.9 | 6.2 |
| | Maximum 4-hour Value | 3.5 | 3.8 | 5.8 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 (0) | 0 (0) | 0 (0) |
| | No. Days Above Level | 0 (0) | 0 (0) | 0 (0) |
| | NSW GOV'T LONG TERM GOAL: | | | |
| | No. Hours Above Goal | 0 (0) | 0 (0) | 0 (0) |
| | No. Days Above Goal | 0 (0) | 0 (0) | 0 (0) |

*** Data not available

2002 Data

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

TABLE 1 (Cont'd)
OZONE (O₃)

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

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

| MONITORING SITE | JUL | AUG | SEP |
|--|-------|-------|-------|
| South West Sydney region (Cont'd) | | | |
| BRINGELLY | | | |
| Ramsay Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 94 | 89 | 95 |
| Average | 1.4 | 1.6 | 2.0 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 3.0 | 3.4 | 4.0 |
| 90-percentile Value | 3.5 | 3.9 | 5.3 |
| Maximum 1-hour Value | 3.9 | 4.0 | 5.8 |
| Maximum 4-hour Value | 3.7 | 3.8 | 5.4 |
| NEPM STANDARD LEVEL: | | | |
| No. Hours Above Level | 0 (0) | 0 (0) | 0 (0) |
| No. Days Above Level | 0 (0) | 0 (0) | 0 (0) |
| NSW GOV'T LONG TERM GOAL: | | | |
| No. Hours Above Goal | 0 (0) | 0 (0) | 0 (0) |
| No. Days Above Goal | 0 (0) | 0 (0) | 0 (0) |
| | | | |
| LIVERPOOL | | | |
| Rose St | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 92 | 96 | 96 |
| Average | 1.2 | 1.2 | 1.6 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 2.7 | 3.0 | 3.7 |
| 90-percentile Value | 3.2 | 3.4 | 5.2 |
| Maximum 1-hour Value | 3.8 | 3.6 | 7.2 |
| Maximum 4-hour Value | 3.6 | 3.5 | 5.8 |
| NEPM STANDARD LEVEL: | | | |
| No. Hours Above Level | 0 (0) | 0 (0) | 0 (0) |
| No. Days Above Level | 0 (0) | 0 (0) | 0 (0) |
| NSW GOV'T LONG TERM GOAL: | | | |
| No. Hours Above Goal | 0 (0) | 0 (0) | 0 (0) |
| No. Days Above Goal | 0 (0) | 0 (0) | 0 (0) |
| | | | |
| Illawarra region | | | |
| KEMBLA GRANGE | | | |
| Kembla Grange Racecourse | | | |
| Princes Hwy | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 95 | 95 | 85 |
| Average | 1.9 | 1.8 | 2.2 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 3.1 | 3.4 | 4.0 |
| 90-percentile Value | 3.4 | 3.8 | 5.8 |
| Maximum 1-hour Value | 3.6 | 3.9 | 8.4 |
| Maximum 4-hour Value | 3.4 | 3.8 | 6.9 |
| 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 (4) |
| No. Days Above Goal | 0 (0) | 0 (0) | 1 (1) |

*** Data not available

2002 Data

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

TABLE 1 (Cont'd)
OZONE (O₃)

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

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

| MONITORING SITE | JUL | AUG | SEP |
|----------------------------------|-------|-------|-------|
| Illawarra region (Cont'd) | | | |
| WARRAWONG | | | |
| Carlotta Cres | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 92 | 95 | 94 |
| Average | 1.8 | 1.9 | 2.3 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 2.9 | 3.3 | 3.9 |
| 90-percentile Value | 3.3 | 3.6 | 5.1 |
| Maximum 1-hour Value | 3.8 | 4.1 | 7.2 |
| Maximum 4-hour Value | 3.5 | 3.8 | 5.7 |
| NEPM STANDARD LEVEL: | | | |
| No. Hours Above Level | 0 (0) | 0 (0) | 0 (0) |
| No. Days Above Level | 0 (0) | 0 (0) | 0 (0) |
| NSW GOV'T LONG TERM GOAL: | | | |
| No. Hours Above Goal | 0 (0) | 0 (0) | 0 (0) |
| No. Days Above Goal | 0 (0) | 0 (0) | 0 (0) |
| WOLLONGONG | | | |
| Gipps St | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 75 | 91 | 92 |
| Average | 1.7 | 1.7 | 2.2 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 2.9 | 3.3 | 4.0 |
| 90-percentile Value | 3.4 | 4.0 | 5.7 |
| Maximum 1-hour Value | 3.7 | 4.2 | 8.1 |
| Maximum 4-hour Value | 3.6 | 4.0 | 6.5 |
| 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) | 1 (3) |
| No. Days Above Goal | 0 (0) | 0 (0) | 1 (1) |
| Lower Hunter region | | | |
| BERESFIELD | | | |
| Francis Greenway | | | |
| High School | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 90 | 84 | 96 |
| Average | 1.4 | 1.6 | 2.0 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 2.8 | 3.2 | 3.7 |
| 90-percentile Value | 3.5 | 3.7 | 4.5 |
| Maximum 1-hour Value | 3.8 | 4.0 | 5.9 |
| Maximum 4-hour Value | 3.7 | 4.0 | 5.1 |
| NEPM STANDARD LEVEL: | | | |
| No. Hours Above Level | 0 (0) | 0 (0) | 0 (0) |
| No. Days Above Level | 0 (0) | 0 (0) | 0 (0) |
| NSW GOV'T LONG TERM GOAL: | | | |
| No. Hours Above Goal | 0 (0) | 0 (0) | 0 (0) |
| No. Days Above Goal | 0 (0) | 0 (0) | 0 (0) |

*** Data not available

2002 Data

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

TABLE 1 (Cont'd)
OZONE (O₃)

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

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

| MONITORING SITE | | JUL | AUG | SEP |
|-------------------------------------|---------------------------|-----------|-----------|-------|
| Lower Hunter region (Cont'd) | | | | |
| NEWCASTLE | | | | |
| Athletics Field | | | | |
| Smith St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 96 | 95 | 95 |
| | Average | 1.5 | 1.8 | 2.2 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.8 | 3.3 | 3.6 |
| | 90-percentile Value | 3.5 | 3.9 | 4.1 |
| | Maximum 1-hour Value | 3.7 | 4.2 | 4.8 |
| | Maximum 4-hour Value | 3.5 | 3.7 | 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) |
| WALLSEND | | | | |
| Swimming Pool | | | | |
| Frances St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 91 | 96 | 95 |
| | Average | 1.6 | 1.6 | 2.1 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.9 | 3.2 | 3.7 |
| | 90-percentile Value | 3.5 | 3.7 | 4.2 |
| | Maximum 1-hour Value | 3.8 | 4.1 | 5.5 |
| | Maximum 4-hour Value | 3.7 | 3.8 | 4.8 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 (0) | 0 (0) | 0 (0) |
| | No. Days Above Level | 0 (0) | 0 (0) | 0 (0) |
| | NSW GOV'T LONG TERM GOAL: | | | |
| | No. Hours Above Goal | 0 (0) | 0 (0) | 0 (0) |
| | No. Days Above Goal | 0 (0) | 0 (0) | 0 (0) |
| Central Tablelands region | | | | |
| BATHURST | | | | |
| Wastewater Treatment Plant | | | | |
| Off Morrisset St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | *** | *** | 38 |
| | Average | *** | *** | 1.9 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | *** | *** | 3.7 |
| | 90-percentile Value | *** | *** | 4.1 |
| | Maximum 1-hour Value | *** | *** | 4.3 |
| | Maximum 4-hour Value | *** | *** | 4.2 |
| | 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

2002 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 | 42 | 89 | 95 |
| | Average | 2.1 | 2.0 | 1.9 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 3.5 | 3.5 | 3.4 |
| | 90-percentile Value | 5.1 | 4.2 | 4.3 |
| | Maximum 1-hour Value | 5.2 | 4.6 | 5.1 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |
| | NSW GOV'T LONG TERM GOAL: | | | |
| | No. Hours Above Goal | 0 | 0 | 0 |
| | No. Days Above Goal | 0 | 0 | 0 |
| LINDFIELD | | | | |
| Bradfield Rd | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 85 | 92 | 70 |
| | Average | 1.6 | 1.6 | 1.4 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.8 | 2.8 | 2.7 |
| | 90-percentile Value | 3.5 | 3.4 | 3.6 |
| | Maximum 1-hour Value | 3.6 | 5.1 | 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 |
| RANDWICK | | | | |
| Randwick Barracks | | | | |
| Cnr Avoca & Bundock Sts | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 95 | 89 | 91 |
| | Average | 2.1 | 1.7 | 1.5 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 3.4 | 3.2 | 3.3 |
| | 90-percentile Value | 4.1 | 4.4 | 4.4 |
| | Maximum 1-hour Value | 4.7 | 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

2002 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) | | | | |
| ROZELLE | | | | |
| Rozelle Hospital | | | | |
| Balmain Rd | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 95 | 87 | 89 |
| | Average | 2.1 | 2.2 | 1.8 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 3.5 | 3.6 | 3.4 |
| | 90-percentile Value | 4.2 | 4.8 | 4.5 |
| | Maximum 1-hour Value | 5.0 | 5.6 | 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 |
| SYDNEY | | | | |
| Grace Bros | | | | |
| Cnr George & Market | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 96 | 83 | 95 |
| | Average | 3.5 | 3.7 | 3.6 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 5.4 | 5.8 | 5.5 |
| | 90-percentile Value | 6.8 | 7.7 | 6.9 |
| | Maximum 1-hour Value | 8.9 | 9.1 | 7.9 |
| | 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 |
| WOOLOOWARE | | | | |
| Woolooware Rd | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 95 | 96 | 95 |
| | Average | 1.5 | 1.3 | 1.3 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.8 | 2.6 | 2.9 |
| | 90-percentile Value | 3.8 | 3.4 | 4.1 |
| | Maximum 1-hour Value | 4.6 | 4.0 | 5.4 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |
| | NSW GOV'T LONG TERM GOAL: | | | |
| | No. Hours Above Goal | 0 | 0 | 0 |
| | No. Days Above Goal | 0 | 0 | 0 |

*** Data not available

2002 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 | | | |
| BLACKTOWN | | | |
| Flushcombe Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 95 | 80 | 83 |
| Average | 1.7 | 1.8 | 1.4 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 3.2 | 3.0 | 3.0 |
| 90-percentile Value | 3.8 | 3.5 | 4.4 |
| Maximum 1-hour Value | 4.4 | 4.0 | 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 |
| KURRAJONG HEIGHTS | | | |
| Bells Line of Road | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 93 | 96 | 95 |
| Average | 0.6 | 0.6 | 0.5 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 1.6 | 1.7 | 1.5 |
| 90-percentile Value | 2.5 | 2.5 | 2.4 |
| Maximum 1-hour Value | 2.8 | 2.9 | 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 |
| RICHMOND | | | |
| University Of Western Sydney | | | |
| Vines Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 92 | 96 | 95 |
| Average | 0.9 | 0.9 | 0.8 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 2.1 | 2.2 | 2.1 |
| 90-percentile Value | 2.8 | 2.9 | 3.0 |
| Maximum 1-hour Value | 2.9 | 3.0 | 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

2002 Data

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

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

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

| MONITORING SITE | JUL | AUG | SEP |
|--|-----|-----|-----|
| North West Sydney region (Cont'd) | | | |
| ST MARYS | | | |
| Mamre Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 89 | 95 | 96 |
| Average | 1.0 | 1.1 | 1.0 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 2.5 | 2.6 | 2.4 |
| 90-percentile Value | 3.3 | 3.3 | 3.2 |
| Maximum 1-hour Value | 4.2 | 3.9 | 4.0 |
| NEPM STANDARD LEVEL: | | | |
| No. Hours Above Level | 0 | 0 | 0 |
| No. Days Above Level | 0 | 0 | 0 |
| NSW GOV'T LONG TERM GOAL: | | | |
| No. Hours Above Goal | 0 | 0 | 0 |
| No. Days Above Goal | 0 | 0 | 0 |
| VINEYARD | | | |
| Castle Hill STP | | | |
| Bandon Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 95 | 95 | 96 |
| Average | 1.0 | 1.0 | 0.8 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 2.3 | 2.3 | 2.1 |
| 90-percentile Value | 3.1 | 3.1 | 3.3 |
| Maximum 1-hour Value | 3.4 | 3.2 | 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 |
| WESTMEAD | | | |
| Westmead Hospital | | | |
| Hainsworth St | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 93 | 96 | 95 |
| Average | 1.7 | 1.8 | 1.6 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 3.1 | 3.1 | 3.1 |
| 90-percentile Value | 3.7 | 3.6 | 4.0 |
| Maximum 1-hour Value | 5.8 | 4.4 | 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 |

*** Data not available

2002 Data

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

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

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

| MONITORING SITE | JUL | AUG | SEP |
|---------------------------------|------------|------------|------------|
| South West Sydney region | | | |
| BARGO | | | |
| Silica Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 94 | 92 | 93 |
| Average | 0.9 | 1.1 | 1.1 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 2.3 | 2.6 | 2.8 |
| 90-percentile Value | 3.3 | 3.6 | 4.5 |
| Maximum 1-hour Value | 3.8 | 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 |
| BRINGELLY | | | |
| Ramsay Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 95 | 96 | 95 |
| Average | 0.8 | 0.9 | 0.9 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 2.0 | 2.0 | 2.2 |
| 90-percentile Value | 2.6 | 2.8 | 3.6 |
| Maximum 1-hour Value | 3.3 | 3.7 | 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 |
| CAMDEN | | | |
| Camden Airport | | | |
| Aerodrome Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 95 | 95 | 87 |
| Average | 0.8 | 0.9 | 0.8 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 1.8 | 2.0 | 2.1 |
| 90-percentile Value | 2.7 | 3.2 | 3.4 |
| Maximum 1-hour Value | 3.8 | 3.7 | 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

2002 Data

**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 |
|--|-----|-----|-----|
| South West Sydney region (Cont'd) | | | |
| LIVERPOOL | | | |
| Rose St | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 95 | 96 | 96 |
| Average | 1.8 | 1.8 | 1.7 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 3.3 | 3.3 | 3.3 |
| 90-percentile Value | 4.2 | 3.9 | 4.2 |
| Maximum 1-hour Value | 4.5 | 4.2 | 5.7 |
| NEPM STANDARD LEVEL: | | | |
| No. Hours Above Level | 0 | 0 | 0 |
| No. Days Above Level | 0 | 0 | 0 |
| NSW GOV'T LONG TERM GOAL: | | | |
| No. Hours Above Goal | 0 | 0 | 0 |
| No. Days Above Goal | 0 | 0 | 0 |
| OAKDALE | | | |
| Ridge Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 83 | 77 | 90 |
| Average | 0.1 | 0.2 | 0.2 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 0.5 | 0.7 | 0.8 |
| 90-percentile Value | 1.4 | 2.0 | 1.9 |
| Maximum 1-hour Value | 3.1 | 2.2 | 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 |
| Illawarra region | | | |
| KEMBLA GRANGE | | | |
| Kembla Grange Racecourse | | | |
| Princes Hwy | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 94 | 95 | 91 |
| Average | 0.8 | 0.9 | 1.0 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 1.8 | 2.1 | 2.4 |
| 90-percentile Value | 2.7 | 3.3 | 3.4 |
| Maximum 1-hour Value | 3.2 | 3.6 | 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

2002 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 |
|----------------------------------|-----|-----|-----|
| <i>Illawarra region (Cont'd)</i> | | | |
| WARRAWONG | | | |
| Carlotta Cres | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 90 | 95 | 91 |
| Average | 1.1 | 1.2 | 1.2 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 2.4 | 2.6 | 2.7 |
| 90-percentile Value | 3.3 | 3.6 | 3.8 |
| Maximum 1-hour Value | 3.4 | 4.1 | 4.2 |
| NEPM STANDARD LEVEL: | | | |
| No. Hours Above Level | 0 | 0 | 0 |
| No. Days Above Level | 0 | 0 | 0 |
| NSW GOV'T LONG TERM GOAL: | | | |
| No. Hours Above Goal | 0 | 0 | 0 |
| No. Days Above Goal | 0 | 0 | 0 |
| WOLLONGONG | | | |
| Gipps St | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 92 | 94 | 92 |
| Average | 1.3 | 1.4 | 1.4 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 2.6 | 2.9 | 3.0 |
| 90-percentile Value | 3.4 | 3.8 | 3.8 |
| Maximum 1-hour Value | 3.8 | 4.3 | 4.3 |
| NEPM STANDARD LEVEL: | | | |
| No. Hours Above Level | 0 | 0 | 0 |
| No. Days Above Level | 0 | 0 | 0 |
| NSW GOV'T LONG TERM GOAL: | | | |
| No. Hours Above Goal | 0 | 0 | 0 |
| No. Days Above Goal | 0 | 0 | 0 |

*** Data not available

2002 Data

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

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

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

| MONITORING SITE | | JUL | AUG | SEP |
|----------------------------|---------------------------|------------|------------|------------|
| Lower Hunter region | | | | |
| BERESFIELD | | | | |
| Francis Greenway | | | | |
| High School | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 96 | 52 | 96 |
| | Average | 1.4 | 1.3 | 1.2 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.7 | 2.7 | 2.4 |
| | 90-percentile Value | 3.4 | 3.2 | 3.3 |
| | Maximum 1-hour Value | 3.6 | 3.4 | 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 |
| NEWCASTLE | | | | |
| Athletics Field | | | | |
| Smith St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 95 | 52 | 86 |
| | Average | 1.4 | 1.3 | 1.1 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.6 | 2.5 | 2.3 |
| | 90-percentile Value | 3.2 | 3.4 | 3.5 |
| | Maximum 1-hour Value | 3.5 | 3.5 | 3.7 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |
| | NSW GOV'T LONG TERM GOAL: | | | |
| | No. Hours Above Goal | 0 | 0 | 0 |
| | No. Days Above Goal | 0 | 0 | 0 |
| WALLSEND | | | | |
| Swimming Pool | | | | |
| Frances St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 89 | 94 | 78 |
| | Average | 1.1 | 1.1 | 0.9 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.3 | 2.3 | 1.9 |
| | 90-percentile Value | 2.9 | 3.0 | 2.7 |
| | Maximum 1-hour Value | 3.2 | 3.4 | 2.8 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |
| | NSW GOV'T LONG TERM GOAL: | | | |
| | No. Hours Above Goal | 0 | 0 | 0 |
| | No. Days Above Goal | 0 | 0 | 0 |

*** Data not available

2002 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 | 42 | 42 | 89 | 89 | 95 | 95 |
| | Average | 11.2 | 9.1 | 6.3 | 4.4 | 5.0 | 3.2 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 30.3 | 27.2 | 19.1 | 16.4 | 15.0 | 12.5 |
| | 90-percentile Value | 52.0 | 48.4 | 29.2 | 26.2 | 25.2 | 22.6 |
| | Maximum 1-hour Value | 55.0 | 50.2 | 36.7 | 34.6 | 29.2 | 26.3 |
| LINDFIELD | | | | | | | |
| Bradfield Rd | | | | | | | |
| | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 85 | 85 | 92 | 92 | 70 | 70 |
| | Average | 4.1 | 2.6 | 3.5 | 1.9 | 2.2 | 0.9 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 11.5 | 9.1 | 9.6 | 7.2 | 5.9 | 3.5 |
| | 90-percentile Value | 19.8 | 16.8 | 14.0 | 10.7 | 8.9 | 6.2 |
| | Maximum 1-hour Value | 20.2 | 18.1 | 20.0 | 16.8 | 14.3 | 11.3 |
| RANDWICK | | | | | | | |
| Randwick Barracks | | | | | | | |
| Cnr Avoca & Bundock Sts | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 95 | 95 | 89 | 89 | 91 | 91 |
| | Average | 5.8 | 3.8 | 4.1 | 2.4 | 2.8 | 1.3 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 16.8 | 13.7 | 13.1 | 10.2 | 9.8 | 6.8 |
| | 90-percentile Value | 27.3 | 24.1 | 25.1 | 21.3 | 18.1 | 14.3 |
| | Maximum 1-hour Value | 46.5 | 41.8 | 28.9 | 26.0 | 20.3 | 16.7 |
| ROZELLE | | | | | | | |
| Rozelle Hospital | | | | | | | |
| Balmain Rd | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 95 | 95 | 87 | 87 | 89 | 89 |
| | Average | 5.9 | 3.8 | 4.7 | 2.6 | 3.2 | 1.5 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 18.0 | 14.9 | 13.4 | 10.4 | 9.6 | 6.7 |
| | 90-percentile Value | 29.5 | 25.9 | 22.1 | 19.4 | 17.8 | 14.1 |
| | Maximum 1-hour Value | 34.6 | 30.9 | 27.6 | 24.5 | 19.5 | 15.9 |
| SYDNEY | | | | | | | |
| Grace Bros | | | | | | | |
| Cnr George & Market | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 96 | 96 | 83 | 83 | 95 | 95 |
| | Average | 17.1 | 13.7 | 16.6 | 13.1 | 15.9 | 12.3 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 36.8 | 31.9 | 32.1 | 27.3 | 33.4 | 28.3 |
| | 90-percentile Value | 55.6 | 49.5 | 52.0 | 45.0 | 47.7 | 40.4 |
| | Maximum 1-hour Value | 61.3 | 54.6 | 57.3 | 51.1 | 52.5 | 45.3 |

*** Data not available

2002 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 | 95 | 95 | 96 | 96 | 95 | 95 |
| Average | 4.3 | 2.9 | 2.8 | 1.6 | 2.5 | 1.2 |
| DAILY 1-HOUR MAXIMA: | | | | | | |
| Monthly Average | 13.8 | 11.5 | 8.8 | 6.8 | 7.6 | 5.3 |
| 90-percentile Value | 24.0 | 21.1 | 17.0 | 14.3 | 14.4 | 11.6 |
| Maximum 1-hour Value | 28.2 | 25.5 | 20.6 | 18.4 | 20.6 | 18.0 |
| North West Sydney region | | | | | | |
| BLACKTOWN | | | | | | |
| Flushcombe Rd | | | | | | |
| ALL HOURS IN MONTH: | | | | | | |
| % Sampling Time | 95 | 95 | 78 | 78 | 83 | 83 |
| Average | 5.4 | 3.6 | 4.4 | 2.6 | 2.5 | 1.1 |
| DAILY 1-HOUR MAXIMA: | | | | | | |
| Monthly Average | 17.2 | 14.5 | 13.0 | 10.2 | 8.4 | 5.8 |
| 90-percentile Value | 30.7 | 27.1 | 22.2 | 19.7 | 15.3 | 12.8 |
| Maximum 1-hour Value | 34.3 | 29.9 | 25.2 | 21.1 | 23.9 | 19.8 |
| KURRAJONG HEIGHTS | | | | | | |
| Bells Line of Road | | | | | | |
| ALL HOURS IN MONTH: | | | | | | |
| % Sampling Time | 93 | 93 | 96 | 96 | 95 | 95 |
| Average | 1.4 | 0.9 | 1.2 | 0.7 | 0.9 | 0.4 |
| DAILY 1-HOUR MAXIMA: | | | | | | |
| Monthly Average | 5.0 | 3.6 | 4.6 | 3.2 | 3.4 | 2.1 |
| 90-percentile Value | 9.2 | 7.1 | 7.8 | 5.7 | 6.5 | 4.4 |
| Maximum 1-hour Value | 10.1 | 8.3 | 11.1 | 8.4 | 8.7 | 6.0 |
| RICHMOND | | | | | | |
| University Of Western Sydney | | | | | | |
| Vines Rd | | | | | | |
| ALL HOURS IN MONTH: | | | | | | |
| % Sampling Time | 92 | 92 | 96 | 96 | 95 | 95 |
| Average | 2.2 | 1.3 | 1.7 | 0.8 | 1.2 | 0.4 |
| DAILY 1-HOUR MAXIMA: | | | | | | |
| Monthly Average | 5.7 | 4.5 | 4.6 | 3.4 | 3.4 | 1.9 |
| 90-percentile Value | 8.5 | 7.2 | 7.1 | 5.5 | 5.2 | 3.4 |
| Maximum 1-hour Value | 9.0 | 7.9 | 10.5 | 9.3 | 8.2 | 5.2 |
| ST MARYS | | | | | | |
| Mamre Rd | | | | | | |
| ALL HOURS IN MONTH: | | | | | | |
| % Sampling Time | 89 | 89 | 95 | 95 | 96 | 96 |
| Average | 3.2 | 2.2 | 3.0 | 1.9 | 1.8 | 0.9 |
| DAILY 1-HOUR MAXIMA: | | | | | | |
| Monthly Average | 10.3 | 8.6 | 11.4 | 9.7 | 7.7 | 5.7 |
| 90-percentile Value | 19.1 | 16.7 | 21.9 | 20.1 | 14.0 | 10.6 |
| Maximum 1-hour Value | 24.6 | 23.2 | 34.4 | 30.4 | 18.6 | 16.1 |

*** Data not available

2002 Data

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

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

| MONITORING SITE | | JUL | | AUG | | SEP | |
|--|----------------------|-----------------|------|-----------------|------|-----------------|------|
| | | NO _x | NO | NO _x | NO | NO _x | NO |
| North West Sydney region (Cont'd) | | | | | | | |
| VINEYARD | | | | | | | |
| Castle Hill STP | | | | | | | |
| Bandon Rd | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 95 | 95 | 95 | 95 | 96 | 96 |
| | Average | 2.1 | 1.1 | 1.6 | 0.6 | 1.0 | 0.2 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 6.1 | 4.6 | 4.6 | 3.1 | 3.0 | 1.5 |
| | 90-percentile Value | 9.2 | 8.0 | 6.7 | 5.8 | 5.3 | 3.0 |
| | Maximum 1-hour Value | 14.0 | 12.3 | 9.1 | 8.3 | 6.0 | 3.3 |
| WESTMEAD | | | | | | | |
| Westmead Hospital | | | | | | | |
| Hainsworth St | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 93 | 93 | 96 | 96 | 95 | 95 |
| | Average | 7.5 | 5.9 | 5.9 | 4.1 | 3.6 | 2.0 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 21.4 | 19.0 | 18.8 | 16.4 | 12.2 | 9.9 |
| | 90-percentile Value | 35.2 | 32.3 | 27.6 | 25.1 | 19.5 | 17.2 |
| | Maximum 1-hour Value | 41.8 | 39.0 | 33.6 | 30.5 | 24.9 | 22.1 |
| South West Sydney region | | | | | | | |
| BARGO | | | | | | | |
| Silica Rd | | | | | | | |
| | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 94 | 94 | 92 | 92 | 93 | 93 |
| | Average | 2.0 | 1.2 | 2.4 | 1.3 | 2.1 | 1.1 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 9.0 | 7.0 | 10.4 | 8.0 | 9.4 | 6.9 |
| | 90-percentile Value | 21.6 | 18.7 | 20.9 | 17.7 | 20.2 | 16.2 |
| | Maximum 1-hour Value | 27.3 | 24.5 | 30.2 | 26.5 | 23.1 | 19.2 |
| BRINGELLY | | | | | | | |
| Ramsay Rd | | | | | | | |
| | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 95 | 95 | 96 | 96 | 95 | 95 |
| | Average | 2.4 | 1.6 | 1.8 | 0.9 | 1.4 | 0.5 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 6.2 | 4.8 | 4.4 | 3.1 | 3.6 | 1.9 |
| | 90-percentile Value | 8.3 | 6.8 | 7.3 | 5.8 | 5.6 | 3.6 |
| | Maximum 1-hour Value | 11.5 | 9.7 | 8.0 | 7.0 | 8.1 | 5.3 |
| CAMDEN | | | | | | | |
| Camden Airport | | | | | | | |
| Aerodrome Rd | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 95 | 95 | 95 | 95 | 87 | 87 |
| | Average | 1.5 | 0.7 | 1.4 | 0.6 | 1.1 | 0.3 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 4.2 | 3.0 | 3.7 | 2.4 | 3.2 | 1.7 |
| | 90-percentile Value | 6.7 | 5.3 | 6.3 | 5.0 | 5.4 | 3.7 |
| | Maximum 1-hour Value | 7.1 | 5.7 | 7.4 | 6.4 | 6.7 | 5.3 |

*** Data not available

2002 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 |
| South West Sydney region (Cont'd) | | | | | | |
| LIVERPOOL | | | | | | |
| Rose St | | | | | | |
| ALL HOURS IN MONTH: | | | | | | |
| % Sampling Time | 95 | 95 | 96 | 96 | 96 | 96 |
| Average | 8.9 | 7.0 | 5.7 | 3.8 | 4.9 | 3.1 |
| DAILY 1-HOUR MAXIMA: | | | | | | |
| Monthly Average | 28.2 | 25.3 | 18.9 | 16.1 | 16.2 | 13.4 |
| 90-percentile Value | 43.7 | 40.4 | 34.2 | 31.3 | 26.5 | 22.9 |
| Maximum 1-hour Value | 56.8 | 52.8 | 44.1 | 40.9 | 29.3 | 26.4 |
| OAKDALE | | | | | | |
| Ridge Rd | | | | | | |
| ALL HOURS IN MONTH: | | | | | | |
| % Sampling Time | 83 | 83 | 88 | 88 | 91 | 91 |
| Average | 0.1 | 0.0 | 0.2 | 0.0 | 0.2 | 0.0 |
| DAILY 1-HOUR MAXIMA: | | | | | | |
| Monthly Average | 0.5 | 0.0 | 0.7 | 0.1 | 0.8 | 0.1 |
| 90-percentile Value | 1.4 | 0.1 | 1.9 | 0.1 | 1.7 | 0.2 |
| Maximum 1-hour Value | 3.0 | 0.3 | 2.1 | 0.2 | 2.2 | 0.7 |
| Illawarra region | | | | | | |
| KEMBLA GRANGE | | | | | | |
| Kembla Grange Racecourse | | | | | | |
| Princes Hwy | | | | | | |
| ALL HOURS IN MONTH: | | | | | | |
| % Sampling Time | 94 | 94 | 95 | 95 | 91 | 91 |
| Average | 1.5 | 0.7 | 1.8 | 0.9 | 1.6 | 0.5 |
| DAILY 1-HOUR MAXIMA: | | | | | | |
| Monthly Average | 5.5 | 4.1 | 6.3 | 4.7 | 5.0 | 3.1 |
| 90-percentile Value | 12.3 | 11.0 | 14.3 | 12.3 | 8.3 | 6.6 |
| Maximum 1-hour Value | 15.2 | 13.1 | 20.8 | 18.6 | 14.6 | 12.6 |
| WARRAWONG | | | | | | |
| Carlotta Cres | | | | | | |
| ALL HOURS IN MONTH: | | | | | | |
| % Sampling Time | 90 | 90 | 95 | 95 | 91 | 91 |
| Average | 2.0 | 1.0 | 2.0 | 0.9 | 1.8 | 0.6 |
| DAILY 1-HOUR MAXIMA: | | | | | | |
| Monthly Average | 7.2 | 5.0 | 6.1 | 3.8 | 5.8 | 3.4 |
| 90-percentile Value | 14.8 | 11.8 | 10.8 | 8.4 | 11.3 | 8.0 |
| Maximum 1-hour Value | 19.4 | 16.4 | 15.4 | 12.2 | 13.9 | 10.5 |

*** Data not available

2002 Data

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

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

| MONITORING SITE | JUL | | AUG | | SEP | | |
|----------------------------------|----------------------|------|-----------------|------|-----------------|------|------|
| | NO _x | NO | NO _x | NO | NO _x | NO | |
| Illawarra region (Cont'd) | | | | | | | |
| WOLLONGONG | | | | | | | |
| Gipps St | | | | | | | |
| | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 92 | 92 | 94 | 94 | 92 | 92 |
| | Average | 3.9 | 2.6 | 4.1 | 2.7 | 3.3 | 1.8 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 14.2 | 11.9 | 13.9 | 11.5 | 11.0 | 8.4 |
| | 90-percentile Value | 27.4 | 24.9 | 27.5 | 25.1 | 18.9 | 16.4 |
| | Maximum 1-hour Value | 37.5 | 34.1 | 34.4 | 31.4 | 24.8 | 20.8 |
| Lower Hunter region | | | | | | | |
| BERESFIELD | | | | | | | |
| Francis Greenway | | | | | | | |
| High School | | | | | | | |
| | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 96 | 96 | 52 | 52 | 96 | 96 |
| | Average | 3.2 | 1.8 | 3.4 | 2.2 | 2.1 | 1.0 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 10.6 | 8.4 | 13.0 | 10.8 | 7.6 | 5.5 |
| | 90-percentile Value | 20.9 | 18.4 | 19.5 | 17.3 | 14.8 | 11.8 |
| | Maximum 1-hour Value | 27.0 | 24.1 | 30.7 | 28.1 | 20.9 | 18.6 |
| NEWCASTLE | | | | | | | |
| Athletics Field | | | | | | | |
| Smith St | | | | | | | |
| | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 95 | 95 | 52 | 52 | 86 | 86 |
| | Average | 3.7 | 2.3 | 3.3 | 2.0 | 1.9 | 0.8 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 12.3 | 9.9 | 11.4 | 9.3 | 5.9 | 3.8 |
| | 90-percentile Value | 28.1 | 25.3 | 19.7 | 17.1 | 10.3 | 7.6 |
| | Maximum 1-hour Value | 35.3 | 32.3 | 20.4 | 18.1 | 11.9 | 9.5 |
| WALLSEND | | | | | | | |
| Swimming Pool | | | | | | | |
| Frances St | | | | | | | |
| | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 89 | 89 | 94 | 94 | 78 | 78 |
| | Average | 3.2 | 2.1 | 2.5 | 1.4 | 1.4 | 0.5 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 9.3 | 7.4 | 7.3 | 5.6 | 4.6 | 3.1 |
| | 90-percentile Value | 16.6 | 14.6 | 12.7 | 10.6 | 9.2 | 7.8 |
| | Maximum 1-hour Value | 22.7 | 20.0 | 15.4 | 13.8 | 10.1 | 8.5 |

*** Data not available

2002 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 | 92 | 95 | 87 |
| | Monthly Average | 0.3 | 0.1 | 0.2 |
| | 90-percentile Value | 0.6 | 0.2 | 0.5 |
| | Maximum 24-hour Average | 0.7 | 0.2 | 0.7 |
| | Maximum 1-hour Value | 2.1 | 0.3 | 5.3 |
| RANDWICK | | | | |
| Randwick Barracks | | | | |
| Cnr Avoca & Bundock Sts | | | | |
| | % Sampling Time | 99 | 92 | 95 |
| | Monthly Average | 0.3 | 0.2 | 0.2 |
| | 90-percentile Value | 0.6 | 0.5 | 0.5 |
| | Maximum 24-hour Average | 0.5 | 0.6 | 0.7 |
| | Maximum 1-hour Value | 1.1 | 1.0 | 4.5 |
| ROZELLE | | | | |
| Rozelle Hospital | | | | |
| Balmain Rd | | | | |
| | % Sampling Time | 88 | 66 | 90 |
| | Monthly Average | 0.4 | 0.3 | 0.3 |
| | 90-percentile Value | 0.9 | 0.7 | 0.6 |
| | Maximum 24-hour Average | 0.8 | 0.8 | 1.3 |
| | Maximum 1-hour Value | 3.2 | 2.4 | 9.5 |
| WOOLOOWARE | | | | |
| Woolooware Rd | | | | |
| | % Sampling Time | 98 | 99 | 99 |
| | Monthly Average | 0.2 | 0.2 | 0.2 |
| | 90-percentile Value | 0.5 | 0.4 | 0.4 |
| | Maximum 24-hour Average | 0.6 | 0.6 | 1.2 |
| | Maximum 1-hour Value | 1.7 | 1.7 | 9.8 |
| North West Sydney region | | | | |
| BLACKTOWN | | | | |
| Flushcombe Rd | | | | |
| | % Sampling Time | 99 | 74 | 99 |
| | Monthly Average | 0.4 | 0.3 | 0.3 |
| | 90-percentile Value | 1.0 | 0.7 | 0.5 |
| | Maximum 24-hour Average | 0.9 | 0.5 | 1.0 |
| | Maximum 1-hour Value | 1.9 | 1.2 | 6.6 |

*** Data not available

2002 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 | 99 | 99 | 98 |
| | Monthly Average | 0.4 | 0.3 | 0.2 |
| | 90-percentile Value | 1.0 | 0.6 | 0.3 |
| | Maximum 24-hour Average | 0.9 | 0.6 | 0.7 |
| | Maximum 1-hour Value | 2.1 | 1.5 | 1.6 |
| ST MARYS | | | | |
| Mamre Rd | | | | |
| | % Sampling Time | 99 | 99 | 99 |
| | Monthly Average | 0.3 | 0.3 | 0.2 |
| | 90-percentile Value | 0.7 | 0.5 | 0.4 |
| | Maximum 24-hour Average | 0.7 | 0.6 | 0.9 |
| | Maximum 1-hour Value | 1.5 | 1.3 | 4.7 |
| WESTMEAD | | | | |
| Westmead Hospital | | | | |
| Hainsworth St | | | | |
| | % Sampling Time | 92 | *** | 84 |
| | Monthly Average | 0.5 | *** | 0.3 |
| | 90-percentile Value | 1.2 | *** | 0.6 |
| | Maximum 24-hour Average | 0.9 | *** | 1.0 |
| | Maximum 1-hour Value | 6.1 | *** | 4.8 |
| South West Sydney region | | | | |
| BARGO | | | | |
| Silica Rd | | | | |
| | % Sampling Time | 92 | 83 | 97 |
| | Monthly Average | 0.3 | 0.2 | 0.3 |
| | 90-percentile Value | 0.6 | 0.5 | 0.5 |
| | Maximum 24-hour Average | 0.7 | 0.5 | 1.3 |
| | Maximum 1-hour Value | 2.9 | 2.1 | 6.7 |
| BRINGELLY | | | | |
| Ramsay Rd | | | | |
| | % Sampling Time | 81 | 99 | 83 |
| | Monthly Average | 0.3 | 0.2 | 0.3 |
| | 90-percentile Value | 0.6 | 0.4 | 0.6 |
| | Maximum 24-hour Average | 0.6 | 0.5 | 1.1 |
| | Maximum 1-hour Value | 1.2 | 1.5 | 10.0 |

*** Data not available

2002 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) | | | | |
| LIVERPOOL | | | | |
| Rose St | | | | |
| | % Sampling Time | 61 | 99 | 99 |
| | Monthly Average | 0.7 | 0.4 | 0.4 |
| | 90-percentile Value | 1.5 | 0.9 | 0.7 |
| | Maximum 24-hour Average | 1.2 | 1.0 | 1.4 |
| | Maximum 1-hour Value | 3.2 | 2.3 | 10.0 |
| OAKDALE | | | | |
| Ridge Rd | | | | |
| | % Sampling Time | 87 | 99 | 98 |
| | Monthly Average | 0.1 | 0.2 | 0.2 |
| | 90-percentile Value | 0.2 | 0.3 | 0.4 |
| | Maximum 24-hour Average | 0.2 | 0.4 | 1.3 |
| | Maximum 1-hour Value | 0.6 | 1.9 | 5.2 |
| Illawarra region | | | | |
| KEMBLA GRANGE | | | | |
| Kembla Grange Racecourse | | | | |
| Princes Hwy | | | | |
| | % Sampling Time | 99 | 99 | 95 |
| | Monthly Average | 0.1 | 0.2 | 0.3 |
| | 90-percentile Value | 0.3 | 0.4 | 0.5 |
| | Maximum 24-hour Average | 0.3 | 0.4 | 1.1 |
| | Maximum 1-hour Value | 0.5 | 0.8 | 4.5 |
| WOLLONGONG | | | | |
| Gipps St | | | | |
| | % Sampling Time | 96 | 98 | 96 |
| | Monthly Average | 0.2 | 0.2 | 0.3 |
| | 90-percentile Value | 0.3 | 0.4 | 0.5 |
| | Maximum 24-hour Average | 0.3 | 0.5 | 1.0 |
| | Maximum 1-hour Value | 0.7 | 0.8 | 4.2 |
| Lower Hunter region | | | | |
| BERESFIELD | | | | |
| Francis Greenway | | | | |
| High School | | | | |
| | % Sampling Time | 96 | 67 | 99 |
| | Monthly Average | 0.2 | 0.2 | 0.3 |
| | 90-percentile Value | 0.6 | 0.4 | 0.6 |
| | Maximum 24-hour Average | 0.5 | 0.4 | 0.9 |
| | Maximum 1-hour Value | 1.6 | 1.0 | 1.9 |

*** Data not available

2002 Data

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

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

| MONITORING SITE | | JUL | AUG | SEP |
|-------------------------------------|-------------------------|-----|-----|-----|
| Lower Hunter region (Cont'd) | | | | |
| NEWCASTLE | | | | |
| Athletics Field | | | | |
| Smith St | % Sampling Time | 99 | 99 | 99 |
| | Monthly Average | 0.4 | 0.3 | 0.3 |
| | 90-percentile Value | 0.8 | 0.6 | 0.6 |
| | Maximum 24-hour Average | 0.7 | 0.5 | 0.7 |
| | Maximum 1-hour Value | 1.7 | 1.2 | 1.5 |
| WALLSEND | | | | |
| Swimming Pool | | | | |
| Frances St | % Sampling Time | 91 | 99 | 99 |
| | Monthly Average | 0.3 | 0.2 | 0.2 |
| | 90-percentile Value | 0.8 | 0.5 | 0.5 |
| | Maximum 24-hour Average | 0.6 | 0.4 | 0.6 |
| | Maximum 1-hour Value | 1.7 | 1.0 | 1.3 |
| Central Tablelands region | | | | |
| BATHURST | | | | |
| Wastewater Treatment Plant | | | | |
| Off Morrisset St | % Sampling Time | 99 | 100 | 96 |
| | Monthly Average | 0.3 | 0.3 | 0.2 |
| | 90-percentile Value | 0.6 | 0.6 | 0.4 |
| | Maximum 24-hour Average | 0.6 | 0.5 | 0.6 |
| | Maximum 1-hour Value | 1.1 | 1.5 | 1.4 |

*** Data not available

2002 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 | 2 |
| | Monthly Average | 68 | 62 | 52 |
| | Highest Value | 82 | 107 | 61 |
| ROZELLE | | | | |
| Rozelle Hospital | | | | |
| Balmain Rd | | | | |
| | Number of Samples | 5 | 4 | 5 |
| | Monthly Average | 47 | 57 | 48 |
| | Highest Value | 58 | 98 | 62 |
| SYDNEY | | | | |
| Grace Bros | | | | |
| Cnr George & Market | | | | |
| | Number of Samples | 5 | 4 | 5 |
| | Monthly Average | 60 | 69 | 75 |
| | Highest Value | 79 | 94 | 103 |
| Illawarra region | | | | |
| PORT KEMBLA | | | | |
| Cnr Church & Kembla Sts | | | | |
| | Number of Samples | 5 | 5 | 5 |
| | Monthly Average | 31 | 51 | 69 |
| | Highest Value | 39 | 74 | 117 |
| PORT KEMBLA | | | | |
| Cnr Blaxland Ave | | | | |
| & Flagstaff Rd | | | | |
| | Number of Samples | 5 | 5 | 5 |
| | Monthly Average | 31 | 44 | 89 |
| | Highest Value | 47 | 70 | 165 |
| PORT KEMBLA | | | | |
| Fire Station | | | | |
| Military Road | | | | |
| | Number of Samples | 5 | 5 | 5 |
| | Monthly Average | 50 | 69 | 85 |
| | Highest Value | 63 | 108 | 150 |
| WARRAWONG | | | | |
| Carlotta Cres | | | | |
| | Number of Samples | 5 | 5 | 2 |
| | Monthly Average | 46 | 50 | 61 |
| | Highest Value | 80 | 71 | 74 |

*** Data not available

2002 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 | 4 | 5 | 3 |
| | Monthly Average | 28 | 24 | 22 |
| | Highest Value | 37 | 32 | 25 |
| LINDFIELD | | | | |
| Bradfield Rd | | | | |
| | Number of Samples | 4 | 5 | *** |
| | Monthly Average | 25 | 19 | *** |
| | Highest Value | 44 | 25 | *** |
| ROZELLE | | | | |
| Rozelle Hospital | | | | |
| Balmain Rd | | | | |
| | Number of Samples | 5 | 5 | 5 |
| | Monthly Average | 20 | 18 | 22 |
| | Highest Value | 28 | 21 | 33 |
| SYDNEY | | | | |
| Grace Bros | | | | |
| Cnr George & Market | | | | |
| | Number of Samples | 5 | 2 | 5 |
| | Monthly Average | 28 | 37 | 32 |
| | Highest Value | 39 | 52 | 44 |
| North West Sydney region | | | | |
| BLACKTOWN | | | | |
| Flushcombe Rd | | | | |
| | Number of Samples | 5 | 4 | 5 |
| | Monthly Average | 21 | 21 | 21 |
| | Highest Value | 32 | 26 | 34 |
| RICHMOND | | | | |
| University Of Western Sydney | | | | |
| Vines Rd | | | | |
| | Number of Samples | 5 | 5 | 5 |
| | Monthly Average | 17 | 15 | 17 |
| | Highest Value | 25 | 17 | 26 |
| Illawarra region | | | | |
| ALBION PARK | | | | |
| Croome Rd | | | | |
| | Number of Samples | 4 | 5 | 4 |
| | Monthly Average | 14 | 15 | 29 |
| | Highest Value | 22 | 20 | 54 |

*** Data not available

2002 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) | | | | |
| KEMBLA GRANGE | | | | |
| Kembla Grange Racecourse | | | | |
| Princes Hwy | | | | |
| | Number of Samples | 5 | 5 | 4 |
| | Monthly Average | 16 | 19 | 31 |
| | Highest Value | 21 | 27 | 45 |
| WARRAWONG | | | | |
| Carlotta Cres | | | | |
| | Number of Samples | 5 | 5 | 3 |
| | Monthly Average | 25 | 26 | 22 |
| | Highest Value | 48 | 38 | 26 |
| WOLLONGONG | | | | |
| Gipps St | | | | |
| | Number of Samples | 4 | 5 | 4 |
| | Monthly Average | 13 | 16 | 25 |
| | Highest Value | 16 | 21 | 32 |
| Lower Hunter region | | | | |
| BERESFIELD | | | | |
| Francis Greenway | | | | |
| High School | | | | |
| | Number of Samples | 5 | 5 | 5 |
| | Monthly Average | 25 | 19 | 25 |
| | Highest Value | 34 | 26 | 31 |
| NEWCASTLE | | | | |
| Athletics Field | | | | |
| Smith St | | | | |
| | Number of Samples | 4 | 5 | 5 |
| | Monthly Average | 16 | 19 | 23 |
| | Highest Value | 23 | 24 | 36 |
| WALLSEND | | | | |
| Swimming Pool | | | | |
| Frances St | | | | |
| | Number of Samples | 5 | 5 | 5 |
| | Monthly Average | 18 | 16 | 21 |
| | Highest Value | 28 | 23 | 34 |

*** Data not available

2002 Data

**TABLE 4.4
PARTICULATE MATTER: BY TAPERED ELEMENT
OSCILLATING MICROBALANCE (TEOM-PM₁₀)**

NEPM STANDARD LEVEL:

24-hour average = 50 µg/m³

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

1-HOUR CLOCK AVERAGE

| MONITORING SITE | | JUL | AUG | SEP |
|-----------------------------------|-----------------------|-----|-----|-----|
| Central East Sydney region | | | | |
| EARLWOOD | | | | |
| Beaman Park | | | | |
| Riverview Rd | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 93 | 98 | 98 |
| | Average | 29 | 26 | 26 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 62 | 55 | 64 |
| | 90-percentile Value | 88 | 78 | 120 |
| | Maximum 1-hour Value | 149 | 102 | 199 |
| | Maximum 24-hour Value | 49 | 45 | 46 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |
| LINDFIELD | | | | |
| Bradfield Rd | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 99 | 99 | 98 |
| | Average | 16 | 15 | 19 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 33 | 28 | 41 |
| | 90-percentile Value | 42 | 38 | 63 |
| | Maximum 1-hour Value | 78 | 49 | 80 |
| | Maximum 24-hour Value | 22 | 24 | 39 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |
| RANDWICK | | | | |
| Randwick Barracks | | | | |
| Cnr Avoca & Bundock Sts | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 98 | 92 | 91 |
| | Average | 20 | 18 | 21 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 35 | 34 | 43 |
| | 90-percentile Value | 46 | 46 | 63 |
| | Maximum 1-hour Value | 72 | 68 | 108 |
| | Maximum 24-hour Value | 28 | 30 | 32 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |
| WOOLOOWARE | | | | |
| Woolooware Rd | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 99 | 99 | 98 |
| | Average | 18 | 16 | 20 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 33 | 31 | 45 |
| | 90-percentile Value | 44 | 42 | 61 |
| | Maximum 1-hour Value | 50 | 56 | 206 |
| | Maximum 24-hour Value | 28 | 25 | 34 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |

*** Data not available

2002 Data

TABLE 4.4 (Cont'd)
PARTICULATE MATTER: BY TAPERED ELEMENT
OSCILLATING MICROBALANCE (TEOM-PM₁₀)

NEPM STANDARD LEVEL:

24-hour average = 50 µg/m³

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

1-HOUR CLOCK AVERAGE

| MONITORING SITE | JUL | AUG | SEP |
|---------------------------------|-----|-----|-----|
| North West Sydney region | | | |
| BLACKTOWN | | | |
| Flushcombe Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 95 | 83 | 99 |
| Average | 20 | 17 | 21 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 41 | 33 | 46 |
| 90-percentile Value | 56 | 47 | 91 |
| Maximum 1-hour Value | 58 | 81 | 127 |
| Maximum 24-hour Value | 31 | 23 | 38 |
| NEPM STANDARD LEVEL: | | | |
| No. Days Above Level | 0 | 0 | 0 |
| RICHMOND | | | |
| University Of Western Sydney | | | |
| Vines Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 89 | 99 | 98 |
| Average | 19 | 16 | 19 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 49 | 35 | 43 |
| 90-percentile Value | 75 | 55 | 74 |
| Maximum 1-hour Value | 262 | 70 | 113 |
| Maximum 24-hour Value | 38 | 27 | 34 |
| NEPM STANDARD LEVEL: | | | |
| No. Days Above Level | 0 | 0 | 0 |
| ST MARYS | | | |
| Mamre Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 99 | 99 | 98 |
| Average | 19 | 15 | 20 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 42 | 33 | 49 |
| 90-percentile Value | 57 | 47 | 81 |
| Maximum 1-hour Value | 97 | 66 | 132 |
| Maximum 24-hour Value | 33 | 22 | 38 |
| NEPM STANDARD LEVEL: | | | |
| No. Days Above Level | 0 | 0 | 0 |
| VINEYARD | | | |
| Castle Hill STP | | | |
| Bandon Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 57 | 95 | 99 |
| Average | 21 | 17 | 20 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 44 | 34 | 41 |
| 90-percentile Value | 58 | 49 | 69 |
| Maximum 1-hour Value | 65 | 78 | 112 |
| Maximum 24-hour Value | 31 | 29 | 36 |
| NEPM STANDARD LEVEL: | | | |
| No. Days Above Level | 0 | 0 | 0 |

*** Data not available

2002 Data

TABLE 4.4 (Cont'd)
PARTICULATE MATTER: BY TAPERED ELEMENT
OSCILLATING MICROBALANCE (TEOM-PM₁₀)

NEPM STANDARD LEVEL:

24-hour average = 50 µg/m³

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

1-HOUR CLOCK AVERAGE

| MONITORING SITE | | JUL | AUG | SEP |
|--|-----------------------|-----|-----|-----|
| North West Sydney region (Cont'd) | | | | |
| WESTMEAD | | | | |
| Westmead Hospital | | | | |
| Hainsworth St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 97 | 96 | 96 |
| | Average | 24 | 21 | 22 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 55 | 44 | 48 |
| | 90-percentile Value | 91 | 63 | 66 |
| | Maximum 1-hour Value | 115 | 96 | 166 |
| | Maximum 24-hour Value | 35 | 34 | 38 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |
| South West Sydney region | | | | |
| BRINGELLY | | | | |
| Ramsay Rd | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 91 | 94 | 94 |
| | Average | 22 | 18 | 23 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 47 | 37 | 59 |
| | 90-percentile Value | 71 | 46 | 103 |
| | Maximum 1-hour Value | 85 | 82 | 247 |
| | Maximum 24-hour Value | 37 | 24 | 40 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |
| CAMPBELLTOWN | | | | |
| Kanbyugal Reserve | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 76 | 98 | 96 |
| | Average | 15 | 15 | 21 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 33 | 29 | 47 |
| | 90-percentile Value | 51 | 38 | 71 |
| | Maximum 1-hour Value | 62 | 51 | 138 |
| | Maximum 24-hour Value | 25 | 22 | 40 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |
| LIVERPOOL | | | | |
| Rose St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 67 | 98 | 76 |
| | Average | 30 | 21 | 25 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 73 | 42 | 66 |
| | 90-percentile Value | 132 | 54 | 110 |
| | Maximum 1-hour Value | 195 | 66 | 263 |
| | Maximum 24-hour Value | 76 | 29 | 48 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 1 | 0 | 0 |

*** Data not available

2002 Data

TABLE 4.4 (Cont'd)
PARTICULATE MATTER: BY TAPERED ELEMENT
OSCILLATING MICROBALANCE (TEOM-PM₁₀)

NEPM STANDARD LEVEL:

24-hour average = 50 µg/m³

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

1-HOUR CLOCK AVERAGE

| MONITORING SITE | JUL | AUG | SEP |
|----------------------------|-----|-----|-----|
| Illawarra region | | | |
| WARRAWONG | | | |
| Carlotta Cres | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 83 | 99 | 98 |
| Average | 18 | 19 | 25 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 46 | 43 | 58 |
| 90-percentile Value | 99 | 73 | 88 |
| Maximum 1-hour Value | 137 | 89 | 111 |
| Maximum 24-hour Value | 45 | 35 | 44 |
| NEPM STANDARD LEVEL: | | | |
| No. Days Above Level | 0 | 0 | 0 |
| WOLLONGONG | | | |
| Gipps St | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 97 | 84 | 87 |
| Average | 16 | 17 | 23 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 36 | 37 | 51 |
| 90-percentile Value | 55 | 56 | 75 |
| Maximum 1-hour Value | 59 | 65 | 113 |
| Maximum 24-hour Value | 27 | 26 | 36 |
| NEPM STANDARD LEVEL: | | | |
| No. Days Above Level | 0 | 0 | 0 |
| Lower Hunter region | | | |
| BERESFIELD | | | |
| Francis Greenway | | | |
| High School | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 93 | 46 | 99 |
| Average | 26 | 23 | 26 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 57 | 52 | 62 |
| 90-percentile Value | 114 | 96 | 115 |
| Maximum 1-hour Value | 154 | 100 | 244 |
| Maximum 24-hour Value | 47 | 36 | 52 |
| NEPM STANDARD LEVEL: | | | |
| No. Days Above Level | 0 | 0 | 1 |
| WALLSEND | | | |
| Swimming Pool | | | |
| Frances St | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 87 | 81 | 89 |
| Average | 19 | 18 | 19 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 34 | 33 | 40 |
| 90-percentile Value | 50 | 45 | 59 |
| Maximum 1-hour Value | 53 | 57 | 115 |
| Maximum 24-hour Value | 30 | 24 | 41 |
| NEPM STANDARD LEVEL: | | | |
| No. Days Above Level | 0 | 0 | 0 |

*** Data not available

2002 Data

TABLE 4.4 (Cont'd)
PARTICULATE MATTER: BY TAPERED ELEMENT
OSCILLATING MICROBALANCE (TEOM-PM₁₀)

NEPM STANDARD LEVEL:

24-hour average = 50 µg/m³

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

1-HOUR CLOCK AVERAGE

| MONITORING SITE | | JUL | AUG | SEP |
|----------------------------------|-----------------------|-----|-----|-----|
| Central Tablelands region | | | | |
| BATHURST | | | | |
| Wastewater Treatment Plant | | | | |
| Off Morrisset St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 96 | 98 | 95 |
| | Average | 14 | 18 | 16 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 30 | 43 | 40 |
| | 90-percentile Value | 51 | 69 | 60 |
| | Maximum 1-hour Value | 55 | 78 | 138 |
| | Maximum 24-hour Value | 32 | 29 | 30 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |
| South West Slopes region | | | | |
| ALBURY | | | | |
| Jelbart Park | | | | |
| Cnr Kaylock Rd & Cambourne St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 97 | 98 | 89 |
| | Average | 14 | 14 | 17 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 30 | 31 | 57 |
| | 90-percentile Value | 43 | 41 | 136 |
| | Maximum 1-hour Value | 46 | 58 | 154 |
| | Maximum 24-hour Value | 18 | 18 | 36 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |
| WAGGA WAGGA | | | | |
| Cnr Morgan & Murray Sts | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 100 | 97 | 100 |
| | Average | 20 | 22 | 22 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 53 | 52 | 63 |
| | 90-percentile Value | 82 | 71 | 137 |
| | Maximum 1-hour Value | 86 | 91 | 196 |
| | Maximum 24-hour Value | 34 | 36 | 53 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 1 |
| North West Slopes region | | | | |
| TAMWORTH | | | | |
| Hyman Park | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 99 | 98 | 99 |
| | Average | 21 | 18 | 17 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 61 | 47 | 42 |
| | 90-percentile Value | 93 | 76 | 63 |
| | Maximum 1-hour Value | 184 | 139 | 102 |
| | Maximum 24-hour Value | 43 | 34 | 36 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |

*** Data not available

2002 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 | 92 | 99 | 99 |
| | Average | 15 | 12 | 13 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 33 | 23 | 31 |
| | 90-percentile Value | 49 | 39 | 49 |
| | Maximum 1-hour Value | 53 | 43 | 174 |
| WOOLOOWARE | | | | |
| Woolooware Rd | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 93 | 57 | 85 |
| | Average | 11 | 11 | 13 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 22 | 21 | 31 |
| | 90-percentile Value | 33 | 27 | 51 |
| | Maximum 1-hour Value | 37 | 41 | 195 |
| North West Sydney region | | | | |
| RICHMOND | | | | |
| University Of Western Sydney | | | | |
| Vines Rd | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 92 | 71 | 70 |
| | Average | 10 | 10 | 10 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 26 | 22 | 23 |
| | 90-percentile Value | 41 | 31 | 39 |
| | Maximum 1-hour Value | 47 | 35 | 45 |
| WESTMEAD | | | | |
| Westmead Hospital | | | | |
| Hainsworth St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 83 | 98 | 99 |
| | Average | 17 | 13 | 13 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 38 | 32 | 30 |
| | 90-percentile Value | 51 | 52 | 44 |
| | Maximum 1-hour Value | 110 | 83 | 145 |
| South West Sydney region | | | | |
| LIVERPOOL | | | | |
| Rose St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 99 | 99 | 98 |
| | Average | 19 | 14 | 18 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 46 | 28 | 47 |
| | 90-percentile Value | 71 | 38 | 78 |
| | Maximum 1-hour Value | 96 | 52 | 263 |

*** Data not available

2002 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 |
|----------------------------|----------------------|-----|-----|-----|
| Illawarra region | | | | |
| WARRAWONG | | | | |
| Carlotta Cres | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 96 | 99 | 97 |
| | Average | 12 | 12 | 14 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 27 | 24 | 32 |
| | 90-percentile Value | 51 | 40 | 53 |
| | Maximum 1-hour Value | 56 | 48 | 82 |
| WOLLONGONG | | | | |
| Gipps St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 96 | 80 | 95 |
| | Average | 9 | 10 | 13 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 19 | 19 | 27 |
| | 90-percentile Value | 28 | 26 | 44 |
| | Maximum 1-hour Value | 31 | 28 | 95 |
| Lower Hunter region | | | | |
| BERESFIELD | | | | |
| Francis Greenway | | | | |
| High School | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 99 | 86 | 97 |
| | Average | 14 | 13 | 14 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 29 | 25 | 27 |
| | 90-percentile Value | 47 | 41 | 42 |
| | Maximum 1-hour Value | 67 | 43 | 68 |
| WALLSEND | | | | |
| Swimming Pool | | | | |
| Frances St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 93 | 99 | 98 |
| | Average | 12 | 10 | 11 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 23 | 20 | 21 |
| | 90-percentile Value | 35 | 25 | 32 |
| | Maximum 1-hour Value | 43 | 35 | 37 |

*** Data not available

2002 Data

TABLE 5
SULFUR DIOXIDE (SO₂)

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

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

| MONITORING SITE | JUL | AUG | SEP |
|-----------------------------------|-------|-------|-------|
| Central East Sydney region | | | |
| LINDFIELD | | | |
| Bradfield Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 95 | 96 | 90 |
| Average | 0.2 | 0.1 | 0.1 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 0.6 | 0.5 | 0.5 |
| 90-percentile Value | 1.1 | 1.0 | 1.2 |
| Maximum 1-hour Value | 1.5 | 1.6 | 1.4 |
| Maximum 24-hour Value | 0.3 | 0.3 | 0.4 |
| NEPM STANDARD LEVEL: | | | |
| No. Events Above Level | 0 (0) | 0 (0) | 0 (0) |
| RANDWICK | | | |
| Randwick Barracks | | | |
| Cnr Avoca & Bundock Sts | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 95 | 89 | 90 |
| Average | 0.2 | 0.2 | 0.2 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 0.7 | 0.6 | 0.9 |
| 90-percentile Value | 1.4 | 1.0 | 1.9 |
| Maximum 1-hour Value | 1.6 | 1.2 | 2.2 |
| Maximum 24-hour Value | 0.5 | 0.4 | 0.5 |
| NEPM STANDARD LEVEL: | | | |
| No. Events Above Level | 0 (0) | 0 (0) | 0 (0) |
| WOOLOOWARE | | | |
| Woolooware Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 95 | 96 | 96 |
| Average | 0.1 | 0.1 | 0.1 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 0.2 | 0.3 | 0.5 |
| 90-percentile Value | 0.5 | 0.7 | 1.0 |
| Maximum 1-hour Value | 0.9 | 1.0 | 2.3 |
| Maximum 24-hour Value | 0.3 | 0.3 | 0.3 |
| NEPM STANDARD LEVEL: | | | |
| No. Events Above Level | 0 (0) | 0 (0) | 0 (0) |
| North West Sydney region | | | |
| BLACKTOWN | | | |
| Flushcombe Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 96 | 80 | 88 |
| Average | 0.1 | 0.1 | 0.1 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 0.4 | 0.3 | 0.3 |
| 90-percentile Value | 0.7 | 0.7 | 0.6 |
| Maximum 1-hour Value | 1.3 | 0.8 | 0.8 |
| Maximum 24-hour Value | 0.3 | 0.3 | 0.2 |
| NEPM STANDARD LEVEL: | | | |
| No. Events Above Level | 0 (0) | 0 (0) | 0 (0) |

*** Data not available

2002 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) | | | |
| KURRAJONG HEIGHTS | | | |
| Bells Line of Road | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 93 | 96 | 95 |
| Average | 0.2 | 0.1 | 0.1 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 0.7 | 0.4 | 0.4 |
| 90-percentile Value | 1.7 | 1.4 | 0.7 |
| Maximum 1-hour Value | 3.4 | 1.6 | 1.4 |
| Maximum 24-hour Value | 0.6 | 0.3 | 0.3 |
| NEPM STANDARD LEVEL: | | | |
| No. Events Above Level | 0 (0) | 0 (0) | 0 (0) |
| RICHMOND | | | |
| University Of Western Sydney | | | |
| Vines Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 92 | 96 | 89 |
| Average | 0.1 | 0.0 | 0.1 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 0.2 | 0.2 | 0.2 |
| 90-percentile Value | 0.4 | 0.5 | 0.5 |
| Maximum 1-hour Value | 0.6 | 0.7 | 1.1 |
| Maximum 24-hour Value | 0.1 | 0.2 | 0.2 |
| NEPM STANDARD LEVEL: | | | |
| No. Events Above Level | 0 (0) | 0 (0) | 0 (0) |
| VINEYARD | | | |
| Castle Hill STP | | | |
| Bandon Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 71 | 89 | 93 |
| Average | 0.1 | 0.1 | 0.1 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 0.3 | 0.3 | 0.3 |
| 90-percentile Value | 0.6 | 0.7 | 0.6 |
| Maximum 1-hour Value | 1.2 | 1.3 | 1.0 |
| Maximum 24-hour Value | 0.2 | 0.5 | 0.2 |
| NEPM STANDARD LEVEL: | | | |
| No. Events Above Level | 0 (0) | 0 (0) | 0 (0) |
| South West Sydney region | | | |
| BARGO | | | |
| Silica Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 94 | 95 | 93 |
| Average | 0.1 | 0.1 | 0.1 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 0.2 | 0.2 | 0.2 |
| 90-percentile Value | 0.4 | 0.4 | 0.4 |
| Maximum 1-hour Value | 2.4 | 0.5 | 0.7 |
| Maximum 24-hour Value | 0.2 | 0.2 | 0.2 |
| NEPM STANDARD LEVEL: | | | |
| No. Events Above Level | 0 (0) | 0 (0) | 0 (0) |

*** Data not available

2002 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 |
|--|-------|-------|-------|
| South West Sydney region (Cont'd) | | | |
| BRINGELLY | | | |
| Ramsay Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 95 | 96 | 95 |
| Average | 0.0 | 0.0 | 0.1 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 0.2 | 0.2 | 0.2 |
| 90-percentile Value | 0.5 | 0.4 | 0.5 |
| Maximum 1-hour Value | 0.7 | 0.9 | 1.0 |
| Maximum 24-hour Value | 0.1 | 0.2 | 0.2 |
| NEPM STANDARD LEVEL: | | | |
| No. Events Above Level | 0 (0) | 0 (0) | 0 (0) |
| Illawarra region | | | |
| WARRAWONG | | | |
| Carlotta Cres | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 90 | 95 | 94 |
| Average | 0.1 | 0.2 | 0.2 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 0.6 | 0.8 | 0.8 |
| 90-percentile Value | 2.2 | 2.4 | 1.8 |
| Maximum 1-hour Value | 3.1 | 2.7 | 1.9 |
| Maximum 24-hour Value | 0.6 | 0.7 | 0.4 |
| NEPM STANDARD LEVEL: | | | |
| No. Events Above Level | 0 (0) | 0 (0) | 0 (0) |
| WOLLONGONG | | | |
| Gipps St | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 92 | 91 | 92 |
| Average | 0.1 | 0.1 | 0.2 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 0.4 | 0.5 | 0.6 |
| 90-percentile Value | 1.0 | 1.1 | 1.1 |
| Maximum 1-hour Value | 1.7 | 1.5 | 2.9 |
| Maximum 24-hour Value | 0.3 | 0.3 | 0.6 |
| NEPM STANDARD LEVEL: | | | |
| No. Events Above Level | 0 (0) | 0 (0) | 0 (0) |
| Lower Hunter region | | | |
| BERESFIELD | | | |
| Francis Greenway | | | |
| High School | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 96 | 52 | 96 |
| Average | 0.4 | 0.2 | 0.2 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 1.3 | 0.7 | 0.9 |
| 90-percentile Value | 2.1 | 1.2 | 1.8 |
| Maximum 1-hour Value | 5.5 | 1.6 | 3.4 |
| Maximum 24-hour Value | 1.1 | 0.4 | 0.6 |
| NEPM STANDARD LEVEL: | | | |
| No. Events Above Level | 0 (0) | 0 (0) | 0 (0) |

*** Data not available

2002 Data

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

TABLE 5 (Cont'd)
SULFUR DIOXIDE (SO₂)

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

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

| MONITORING SITE | | JUL | AUG | SEP |
|-------------------------------------|------------------------|-------|-------|-------|
| <i>Lower Hunter region (Cont'd)</i> | | | | |
| WALLSEND | | | | |
| Swimming Pool | | | | |
| Frances St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 90 | 92 | 92 |
| | Average | 0.3 | 0.2 | 0.2 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 1.2 | 1.0 | 0.7 |
| | 90-percentile Value | 2.3 | 2.0 | 1.2 |
| | Maximum 1-hour Value | 3.8 | 2.8 | 2.7 |
| | Maximum 24-hour Value | 0.6 | 0.6 | 0.5 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Events Above Level | 0 (0) | 0 (0) | 0 (0) |

*** Data not available

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

2002 Data

**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 | 46 | 71 | 91 |
| | Average | 0.4 | 0.4 | 0.3 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 1.5 | 1.1 | 1.0 |
| | 90-percentile Value | 2.7 | 2.1 | 1.8 |
| | Maximum 1-hour Value | 2.8 | 2.4 | 2.2 |
| | Maximum 8-hour Value | 1.9 | 1.4 | 1.3 |
| | NEPM STANDARD LEVEL: | | | |
| | No.Events Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |
| SYDNEY | | | | |
| Grace Bros | | | | |
| Cnr George & Market | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 83 | 74 | 63 |
| | Average | 1.3 | 1.2 | 1.4 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 3.1 | 3.2 | 3.5 |
| | 90-percentile Value | 5.0 | 5.1 | 5.3 |
| | Maximum 1-hour Value | 6.3 | 6.8 | 5.8 |
| | Maximum 8-hour Value | 3.8 | 3.8 | 3.9 |
| | NEPM STANDARD LEVEL: | | | |
| | No.Events Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |
| North West Sydney region | | | | |
| BLACKTOWN | | | | |
| Flushcombe Rd | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 89 | 83 | 95 |
| | Average | 0.5 | 0.4 | 0.3 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.0 | 1.5 | 1.1 |
| | 90-percentile Value | 3.2 | 2.5 | 2.8 |
| | Maximum 1-hour Value | 3.7 | 2.7 | 3.4 |
| | Maximum 8-hour Value | 2.8 | 1.8 | 3.0 |
| | NEPM STANDARD LEVEL: | | | |
| | No.Events Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |

*** Data not available

2002 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 |
|---------------------------------|-----|-----|-----|
| South West Sydney region | | | |
| BRINGELLY | | | |
| Ramsay Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 53 | 77 | 95 |
| Average | 0.1 | 0.2 | 0.2 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 0.4 | 0.4 | 0.5 |
| 90-percentile Value | 0.6 | 0.6 | 0.9 |
| Maximum 1-hour Value | 0.7 | 0.7 | 1.6 |
| Maximum 8-hour Value | 0.6 | 0.6 | 0.8 |
| NEPM STANDARD LEVEL: | | | |
| No.Events Above Level | 0 | 0 | 0 |
| No. Days Above Level | 0 | 0 | 0 |
| LIVERPOOL | | | |
| Rose St | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 95 | 85 | 96 |
| Average | 0.9 | 0.5 | 0.4 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 2.8 | 1.6 | 1.3 |
| 90-percentile Value | 4.3 | 3.0 | 1.8 |
| Maximum 1-hour Value | 5.1 | 3.6 | 2.2 |
| Maximum 8-hour Value | 3.6 | 2.5 | 1.4 |
| NEPM STANDARD LEVEL: | | | |
| No.Events Above Level | 0 | 0 | 0 |
| No. Days Above Level | 0 | 0 | 0 |
| Illawarra region | | | |
| WOLLONGONG | | | |
| Gipps St | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 91 | 94 | 86 |
| Average | 0.4 | 0.5 | 0.4 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 1.3 | 1.3 | 1.1 |
| 90-percentile Value | 2.2 | 2.2 | 2.0 |
| Maximum 1-hour Value | 2.9 | 2.8 | 2.3 |
| Maximum 8-hour Value | 1.7 | 2.1 | 1.5 |
| NEPM STANDARD LEVEL: | | | |
| No.Events Above Level | 0 | 0 | 0 |
| No. Days Above Level | 0 | 0 | 0 |

*** Data not available

2002 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>Lower Hunter region</i> | | | | |
| NEWCASTLE | | | | |
| Athletics Field | | | | |
| Smith St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 43 | 94 | 95 |
| | Average | 0.4 | 0.4 | 0.3 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 1.2 | 1.3 | 0.9 |
| | 90-percentile Value | 3.4 | 2.3 | 1.6 |
| | Maximum 1-hour Value | 4.2 | 3.0 | 3.1 |
| | Maximum 8-hour Value | 3.1 | 1.5 | 1.2 |
| | NEPM STANDARD LEVEL: | | | |
| | No.Events Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |

*** Data not available

**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 | 2 |
| | Monthly Average | 0.1 | 0.1 | <0.1 * |
| | Highest Value | 0.1 | 0.2 | <0.1 |
| ROZELLE | | | | |
| Rozelle Hospital | | | | |
| Balmain Rd | | | | |
| | Number of Samples | 5 | 4 | 5 |
| | Monthly Average | <0.1 * | <0.1 * | <0.1 * |
| | Highest Value | <0.1 | <0.1 | <0.1 |
| SYDNEY | | | | |
| Grace Bros | | | | |
| Cnr George & Market | | | | |
| | Number of Samples | 5 | 4 | 5 |
| | Monthly Average | <0.1 | 0.1 | <0.1 * |
| | Highest Value | 0.1 | 0.1 | <0.1 |
| Illawarra region | | | | |
| PORT KEMBLA | | | | |
| Cnr Church & Kembla Sts | | | | |
| | Number of Samples | 5 | 5 | 5 |
| | Monthly Average | <0.1 * | <0.1 * | <0.1 * |
| | Highest Value | <0.1 | 0.1 | <0.1 |
| PORT KEMBLA | | | | |
| Cnr Blaxland Ave & Flagstaff Rd | | | | |
| | Number of Samples | 5 | 5 | 5 |
| | Monthly Average | <0.1 * | <0.1 * | 0.1 |
| | Highest Value | <0.1 | <0.1 | 0.3 |
| PORT KEMBLA | | | | |
| Fire Station | | | | |
| Military Road | | | | |
| | Number of Samples | 5 | 5 | 5 |
| | Monthly Average | <0.1 | 0.1 * | 0.3 |
| | Highest Value | 0.1 | 0.2 | 0.8 |
| WARRAWONG | | | | |
| Carlotta Cres | | | | |
| | Number of Samples | 5 | 5 | 2 |
| | Monthly Average | <0.1 * | <0.1 * | <0.1 * |
| | Highest Value | <0.1 | <0.1 | <0.1 |

*** Data not available

* Average value calculated with some data less than detection limit

2002 Data

TABLE 8
CADMIUM (Cd)

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

| MONITORING SITE | | JUL | AUG | SEP |
|-------------------------|-------------------|---------|---------|---------|
| <i>Illawarra region</i> | | | | |
| PORT KEMBLA | | | | |
| Cnr Church & Kembla Sts | | | | |
| | Number of Samples | 5 | 5 | 5 |
| | Monthly Average | <0.02 * | <0.02 * | <0.02 * |
| | Highest Value | <0.02 | <0.02 | <0.02 |
| PORT KEMBLA | | | | |
| Cnr Blaxland Ave | | | | |
| & Flagstaff Rd | | | | |
| | Number of Samples | 5 | 5 | 5 |
| | Monthly Average | <0.02 * | <0.02 * | <0.02 * |
| | Highest Value | <0.02 | <0.02 | <0.02 |
| PORT KEMBLA | | | | |
| Fire Station | | | | |
| Military Road | | | | |
| | Number of Samples | 5 | 5 | 5 |
| | Monthly Average | <0.02 * | <0.02 * | <0.02 * |
| | Highest Value | <0.02 | <0.02 | 0.04 |

*** Data not available

* Average value calculated with some data less than detection limit

2002 Data

TABLE 9

REGIONAL POLLUTION INDEX (RPI)

Sydney region

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

| D A Y | REGIONS | | | | | | | | | | | | | | | | | |
|-------------|----------------|----|-----|----|-----|-----|---------------|----|-----|----|-----|-----|---------------|----|-----|----|-----|-----|
| | Eastern Sydney | | | | | | South Western | | | | | | North Western | | | | | |
| | JUL | | AUG | | SEP | | JUL | | AUG | | SEP | | JUL | | AUG | | SEP | |
| | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm |
| 1 | 25 | 30 | 24 | 20 | 19 | 19 | 34 | 21 | 45 | 19 | 19 | 17 | 43 | 32 | 23 | 19 | 20 | 18 |
| 2 | 33 | 15 | 18 | 21 | 16 | 16 | 48 | 17 | 46 | 21 | 17 | 18 | 39 | 34 | 27 | 19 | 16 | 17 |
| 3 | 49 | 31 | 17 | 16 | 19 | 16 | 42 | 26 | 54 | 20 | 19 | 16 | 19 | 15 | 27 | 16 | 18 | 18 |
| 4 | 12 | 13 | 15 | 15 | 18 | 21 | 15 | 15 | 35 | 15 | 19 | 19 | 14 | 17 | 19 | 16 | 18 | 20 |
| 5 | 14 | 14 | 13 | 16 | 18 | 20 | 14 | 15 | 15 | 16 | 19 | 21 | 17 | 18 | 15 | 17 | 19 | 21 |
| 6 | 13 | 14 | 16 | 16 | 20 | 26 | 15 | 15 | 44 | 22 | 19 | 30 | 17 | 17 | 19 | 16 | 20 | 19 |
| 7 | 13 | 13 | 13 | 14 | 16 | 18 | 15 | 14 | 18 | 18 | 17 | 17 | 17 | 16 | 15 | 15 | 18 | 18 |
| 8 | 11 | 16 | 12 | 16 | 18 | 19 | 14 | 13 | 15 | 15 | 17 | 16 | 32 | 22 | 15 | 17 | 17 | 20 |
| 9 | 15 | 15 | 22 | 19 | 25 | 18 | 13 | 14 | 14 | 17 | 16 | 16 | 26 | 17 | 18 | 17 | 19 | 17 |
| 10 | 18 | 14 | 25 | 25 | 20 | 17 | 15 | 18 | 28 | 25 | 16 | 16 | 17 | 17 | 23 | 24 | 16 | 17 |
| 11 | 24 | 20 | 57 | 18 | 17 | 15 | 14 | 20 | 31 | 18 | 16 | 16 | 35 | 23 | 33 | 19 | 17 | 16 |
| 12 | 28 | 20 | 16 | 14 | 15 | 17 | 19 | 15 | 18 | 16 | 15 | 19 | 33 | 25 | 17 | 15 | 15 | 19 |
| 13 | 34 | 16 | 14 | 14 | 16 | 32 | 15 | 13 | 16 | 15 | 19 | 36 | 43 | 35 | 15 | 15 | 18 | 28 |
| 14 | 36 | 29 | 12 | 14 | 19 | 183 | 18 | 19 | 15 | 16 | 19 | 154 | 45 | 30 | 16 | 16 | 23 | 158 |
| 15 | 24 | 13 | 14 | 15 | 22 | 232 | 18 | 14 | 15 | 16 | 86 | 237 | 33 | 33 | 15 | 16 | 114 | 73 |
| 16 | 29 | 25 | 14 | 16 | 18 | 22 | 19 | 16 | 21 | 17 | 26 | 20 | 33 | 31 | 14 | 17 | 23 | 19 |
| 17 | 17 | 13 | 15 | 16 | 18 | 12 | 17 | 16 | 23 | 19 | 18 | 13 | 27 | 15 | 17 | 19 | 27 | 15 |
| 18 | 13 | 14 | 17 | 15 | 11 | 17 | 57 | 19 | 17 | 16 | 14 | 19 | 19 | 31 | 30 | 15 | 14 | 18 |
| 19 | 31 | 15 | 16 | 18 | 16 | 15 | 64 | 27 | 19 | 18 | 18 | 16 | 47 | 48 | 35 | 22 | 17 | 16 |
| 20 | 75 | 22 | 18 | 17 | 13 | 19 | 76 | 35 | 32 | 22 | 15 | 20 | 30 | 17 | 27 | 24 | 19 | 21 |
| 21 | 14 | 14 | 17 | 20 | 19 | 23 | 20 | 16 | 28 | 16 | 19 | 19 | 15 | 15 | 20 | 20 | 21 | 25 |
| 22 | 15 | 15 | 19 | 23 | 24 | 28 | 37 | 18 | 16 | 24 | 19 | 24 | 144 | 34 | 24 | 24 | 23 | 27 |
| 23 | 16 | 25 | 16 | 16 | 27 | 19 | 36 | 27 | 22 | 16 | 26 | 25 | 22 | 15 | 23 | 23 | 28 | 32 |
| 24 | 22 | 23 | 16 | 17 | 20 | 29 | 64 | 44 | 16 | 18 | 20 | 38 | 29 | 25 | 15 | 17 | 24 | 37 |
| 25 | 13 | 14 | 16 | 16 | 24 | 22 | 15 | 15 | 18 | 14 | 23 | 19 | 11 | 16 | 17 | 16 | 23 | 20 |
| 26 | 17 | 13 | 16 | 15 | 17 | 22 | 26 | 14 | 18 | 17 | 19 | 22 | 29 | 15 | 18 | 15 | 24 | 22 |
| 27 | 24 | 18 | 15 | 18 | 21 | 25 | 56 | 19 | 45 | 16 | 20 | 67 | 38 | 43 | 14 | 16 | 48 | 23 |
| 28 | 40 | 24 | 17 | 23 | 20 | 17 | 70 | 23 | 24 | 19 | 18 | 18 | 46 | 50 | 16 | 18 | 19 | 18 |
| 29 | 25 | 25 | 16 | 22 | 16 | 15 | 39 | 23 | 34 | 17 | 17 | 16 | 30 | 40 | 30 | 23 | 18 | 17 |
| 30 | 16 | 15 | 14 | 16 | 16 | 15 | 14 | 13 | 18 | 19 | 19 | 22 | 13 | 13 | 14 | 17 | 19 | 22 |
| 31 | 16 | 16 | 18 | 16 | | | 30 | 14 | 19 | 18 | | | 22 | 17 | 17 | 20 | | |

| | PERCENTAGE FREQUENCY | | | | | | | | | | | | | | | | | |
|------|----------------------|----|-----|----|-----|----|---------------|----|-----|----|-----|----|---------------|----|-----|-----|-----|----|
| | Eastern Sydney | | | | | | South Western | | | | | | North Western | | | | | |
| | JUL | | AUG | | SEP | | JUL | | AUG | | SEP | | JUL | | AUG | | SEP | |
| | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm |
| LOW | 65 | 81 | 94 | 97 | 93 | 77 | 55 | 84 | 65 | 97 | 90 | 77 | 39 | 55 | 77 | 100 | 87 | 77 |
| MED | 32 | 19 | 3 | 3 | 7 | 17 | 26 | 16 | 32 | 3 | 7 | 13 | 58 | 42 | 23 | 0 | 10 | 17 |
| HIGH | 3 | 0 | 3 | 0 | 0 | 7 | 19 | 0 | 3 | 0 | 3 | 10 | 3 | 3 | 0 | 0 | 3 | 7 |

2002 Data

TABLE 9
REGIONAL POLLUTION INDEX (RPI)
Lower Hunter region

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

| D A Y | REGIONS | | | | | | | | | | | | | | | | | |
|-------------|-----------|----|-----|----|-----|----|----------|----|-----|----|-----|----|------------|----|-----|----|-----|----|
| | Newcastle | | | | | | Wallsend | | | | | | Beresfield | | | | | |
| | JUL | | AUG | | SEP | | JUL | | AUG | | SEP | | JUL | | AUG | | SEP | |
| | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm |
| 1 | 22 | 10 | 14 | 17 | 19 | 18 | 23 | 12 | 18 | 13 | 16 | 16 | 14 | 13 | 17 | 13 | 14 | 14 |
| 2 | 24 | 10 | 12 | 15 | 17 | 17 | 26 | 12 | 20 | 14 | 17 | 17 | 18 | 12 | 18 | 16 | 16 | 17 |
| 3 | 12 | 13 | 28 | 16 | 17 | 17 | 14 | 14 | 20 | 16 | 14 | 18 | 12 | 12 | 19 | 17 | 16 | 16 |
| 4 | 12 | 14 | 14 | 13 | 14 | 19 | 13 | 15 | 16 | 15 | 15 | 19 | 12 | 14 | 17 | 15 | 17 | 19 |
| 5 | 12 | 13 | 14 | 17 | 18 | 16 | 14 | 15 | 20 | 12 | 19 | 19 | 14 | 14 | 14 | 15 | 20 | 21 |
| 6 | 13 | 14 | 23 | 14 | 15 | 11 | 14 | 16 | 22 | 15 | 20 | 10 | 14 | 15 | 16 | 15 | 22 | 11 |
| 7 | 14 | 14 | 13 | 14 | 14 | 17 | 15 | 14 | 15 | 15 | 15 | 18 | 15 | 13 | 14 | 15 | 13 | 18 |
| 8 | 14 | 13 | 13 | 15 | 19 | 17 | 13 | 14 | 12 | 15 | 22 | 17 | 13 | 13 | 13 | 14 | 16 | 17 |
| 9 | 12 | 13 | 19 | 15 | 17 | 17 | 13 | 13 | 15 | 16 | 17 | 16 | 14 | 14 | 13 | 16 | 16 | 16 |
| 10 | 12 | 15 | 19 | 20 | 15 | 16 | 13 | 14 | 16 | 20 | 15 | 16 | 13 | 14 | 17 | 20 | 15 | 15 |
| 11 | 15 | 12 | 18 | 19 | 17 | 16 | 18 | 14 | 18 | 18 | 16 | 16 | 12 | 12 | 19 | 18 | 13 | 15 |
| 12 | 35 | 14 | 17 | 15 | 15 | 17 | 37 | 16 | 17 | 15 | 15 | 15 | 21 | 15 | 17 | 15 | 14 | 14 |
| 13 | 37 | 11 | 16 | 16 | 16 | 18 | 40 | 38 | 15 | 16 | 15 | 18 | 20 | 16 | 13 | 15 | 14 | 20 |
| 14 | 20 | 17 | 16 | 15 | 15 | 18 | 20 | 15 | 16 | 13 | 14 | 19 | 38 | 14 | 15 | 11 | 18 | 22 |
| 15 | 10 | 10 | 17 | 16 | 15 | 18 | 14 | 8 | 12 | 14 | 15 | 19 | 14 | 9 | 12 | 13 | 21 | 24 |
| 16 | 20 | 18 | 15 | 16 | 17 | 19 | 20 | 22 | 12 | 16 | 19 | 21 | 18 | 15 | 13 | 15 | 20 | 21 |
| 17 | 27 | 13 | 14 | 12 | 14 | 9 | 29 | 22 | 15 | 13 | 17 | 10 | 19 | 13 | 13 | 13 | 19 | 10 |
| 18 | 12 | 9 | 16 | 14 | 11 | 16 | 15 | 16 | 19 | 15 | 12 | 16 | 12 | 13 | 13 | 13 | 10 | 15 |
| 19 | 39 | 15 | 19 | 16 | 16 | 16 | 34 | 22 | 19 | 15 | 16 | 17 | 20 | 13 | 12 | 17 | 16 | 17 |
| 20 | 23 | 18 | 17 | 16 | 15 | 20 | 36 | 18 | 17 | 16 | 15 | 16 | 21 | 19 | 15 | 17 | 16 | 17 |
| 21 | 17 | 15 | 19 | 19 | 19 | 21 | 18 | 14 | 13 | 16 | 16 | 20 | 18 | 13 | 17 | 14 | 18 | 19 |
| 22 | 15 | 16 | 20 | 17 | 19 | 24 | 16 | 15 | 18 | 16 | 19 | 27 | 13 | 11 | 14 | 15 | 19 | 46 |
| 23 | 40 | 16 | 17 | 19 | 22 | 25 | 37 | 17 | 15 | 13 | 20 | 26 | 39 | 15 | | | 26 | 34 |
| 24 | 27 | 10 | 17 | 17 | 30 | 30 | 17 | 13 | 14 | 17 | 21 | 26 | 18 | 10 | | | 30 | 36 |
| 25 | 12 | 15 | 16 | 16 | 35 | 30 | 13 | 13 | 16 | 16 | 25 | 29 | 13 | 13 | | | 31 | 22 |
| 26 | 14 | 12 | 15 | 16 | 19 | 19 | 20 | 13 | 13 | 16 | 17 | 19 | 25 | 15 | | 15 | 16 | 20 |
| 27 | 30 | 16 | 15 | 16 | 22 | 20 | 22 | 16 | 14 | 17 | 21 | 19 | 20 | 17 | 13 | 15 | 35 | 18 |
| 28 | 34 | 19 | 16 | 18 | 28 | 20 | 25 | 17 | 15 | 17 | 15 | 18 | 18 | 18 | 22 | 17 | 18 | 17 |
| 29 | 24 | 19 | 17 | 14 | 20 | 17 | 17 | 17 | 16 | 16 | 18 | 18 | 19 | 12 | 17 | 16 | 17 | 16 |
| 30 | 15 | 14 | 13 | 17 | 16 | 20 | 16 | | 14 | 18 | 16 | 19 | 14 | 11 | 16 | 17 | 16 | 18 |
| 31 | 13 | 13 | 15 | 16 | | | | | 17 | 17 | | | 9 | 6 | 16 | 19 | | |

| | 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 | 97 | 100 | 90 | 90 | 73 | 97 | 100 | 100 | 97 | 87 | 90 | 100 | 100 | 100 | 100 | 87 | 90 |
| MED | 26 | 0 | 3 | 0 | 10 | 10 | 27 | 3 | 0 | 0 | 3 | 13 | 10 | 0 | 0 | 0 | 13 | 10 | |
| HIGH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

2002 Data

TABLE 9
REGIONAL POLLUTION INDEX (RPI)

Illawarra region

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

REGIONS

| D A Y | Wollongong | | | | | |
|-------------|------------|----|-----|----|-----|----|
| | JUL | | AUG | | SEP | |
| | am | pm | am | pm | am | pm |
| 1 | 10 | 11 | 15 | 13 | 17 | 16 |
| 2 | 11 | 12 | 14 | 16 | 17 | 17 |
| 3 | 13 | 11 | 16 | 17 | 15 | 19 |
| 4 | 12 | 13 | 16 | 14 | 17 | 17 |
| 5 | 13 | 14 | 10 | 18 | 15 | 20 |
| 6 | 15 | 14 | 17 | 13 | 20 | 15 |
| 7 | 13 | 13 | 15 | 14 | 14 | |
| 8 | 13 | 12 | 13 | 16 | 14 | 18 |
| 9 | 12 | 12 | 16 | 16 | 17 | 15 |
| 10 | 13 | 13 | 19 | 17 | 16 | 16 |
| 11 | 12 | 13 | 20 | 18 | 14 | 15 |
| 12 | 16 | 13 | 18 | 14 | 12 | 19 |
| 13 | 15 | 13 | 15 | 2 | 18 | 21 |
| 14 | 15 | 9 | 12 | 15 | 18 | 44 |
| 15 | 10 | 9 | 14 | 14 | 19 | 98 |
| 16 | 12 | 9 | 12 | 15 | 24 | 22 |
| 17 | 11 | 4 | 13 | 16 | 20 | 10 |
| 18 | 6 | 10 | 16 | 15 | 15 | 18 |
| 19 | 12 | 10 | 15 | 16 | 17 | 17 |
| 20 | 13 | 13 | 16 | 19 | 16 | 20 |
| 21 | 14 | 15 | 18 | 20 | 33 | 20 |
| 22 | 14 | 16 | 19 | 20 | 22 | 29 |
| 23 | 15 | 13 | 19 | 13 | 30 | 19 |
| 24 | 14 | 11 | 14 | 17 | 19 | 23 |
| 25 | 14 | 15 | 16 | 17 | 26 | 20 |
| 26 | 12 | 15 | 16 | 16 | 19 | 19 |
| 27 | 14 | 18 | 14 | 17 | 37 | 20 |
| 28 | 18 | 16 | 18 | 18 | 18 | 19 |
| 29 | 17 | 13 | 17 | 13 | 20 | 16 |
| 30 | 12 | 10 | 14 | 16 | 13 | 17 |
| 31 | 10 | 16 | 18 | 16 | | |

PERCENTAGE FREQUENCY

| | Wollongong | | | | | |
|-------------|------------|-----|-----|-----|-----|----|
| | JUL | | AUG | | SEP | |
| | am | pm | am | pm | am | pm |
| LOW | 100 | 100 | 100 | 100 | 87 | 90 |
| MED | 0 | 0 | 0 | 0 | 13 | 7 |
| HIGH | 0 | 0 | 0 | 0 | 0 | 3 |

2002 Data