

Quarterly Air Quality Monitoring Report 2007

4

Part A: DECC Data

October – November – December
2007



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**TABLE 1
OZONE (O₃)**

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

**NEPM STANDARD LEVEL: 1-hour average = 10 pphm
4-hour average = 8 pphm**

| MONITORING SITE | | OCT | NOV | DEC |
|-----------------------------------|--|-------|-------|-------|
| Central East Sydney region | | | | |
| CHULLORA | | | | |
| Southern Sydney TAFE | | | | |
| Worth St | | | | |
| ALL HOURS IN MONTH: | | | | |
| % Sampling Time | | 95 | 95 | 92 |
| Average | | 2.1 | 1.6 | 1.6 |
| DAILY 1-HOUR MAXIMA: | | | | |
| Monthly Average | | 4.3 | 3.1 | 3.1 |
| 90-percentile Value | | 6.2 | 4.4 | 5.4 |
| Maximum 1-hour Value | | 6.8 | 6.2 | 5.9 |
| Maximum 4-hour Value | | 6.3 | 5.6 | 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) |
| EARLWOOD | | | | |
| Beaman Park | | | | |
| Riverview Rd | | | | |
| ALL HOURS IN MONTH: | | | | |
| % Sampling Time | | 95 | 91 | 92 |
| Average | | 2.3 | 1.7 | 1.6 |
| DAILY 1-HOUR MAXIMA: | | | | |
| Monthly Average | | 4.2 | 2.8 | 2.8 |
| 90-percentile Value | | 5.9 | 3.6 | 4.3 |
| Maximum 1-hour Value | | 8.3 | 4.7 | 5.9 |
| Maximum 4-hour Value | | 7.1 | 4.0 | 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) |
| LINDFIELD | | | | |
| Bradfield Rd | | | | |
| ALL HOURS IN MONTH: | | | | |
| % Sampling Time | | 92 | 87 | 88 |
| Average | | 2.7 | 1.9 | 1.7 |
| DAILY 1-HOUR MAXIMA: | | | | |
| Monthly Average | | 4.5 | 3.2 | 3.0 |
| 90-percentile Value | | 6.0 | 4.3 | 4.9 |
| Maximum 1-hour Value | | 8.7 | 6.2 | 5.8 |
| Maximum 4-hour Value | | 7.7 | 5.7 | 5.4 |
| NEPM STANDARD LEVEL: | | | | |
| No. Hours Above Level | | 0 (0) | 0 (0) | 0 (0) |
| No. Days Above Level | | 0 (0) | 0 (0) | 0 (0) |
| RANDWICK | | | | |
| Randwick Barracks | | | | |
| Cnr Avoca & Bundock Sts | | | | |
| ALL HOURS IN MONTH: | | | | |
| % Sampling Time | | 93 | 87 | 92 |
| Average | | 2.9 | 2.2 | 2.0 |
| DAILY 1-HOUR MAXIMA: | | | | |
| Monthly Average | | 4.5 | 3.0 | 3.0 |
| 90-percentile Value | | 5.8 | 3.6 | 4.0 |
| Maximum 1-hour Value | | 9.0 | 4.8 | 6.3 |
| Maximum 4-hour Value | | 8.4 | 4.4 | 5.6 |
| NEPM STANDARD LEVEL: | | | | |
| No. Hours Above Level | | 0 (2) | 0 (0) | 0 (0) |
| No. Days Above Level | | 0 (1) | 0 (0) | 0 (0) |

*** Data not available

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

2007 Data

TABLE 1 (Cont'd)
OZONE (O₃)

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

NEPM STANDARD LEVEL: 1-hour average = 10 pphm
4-hour average = 8 pphm

| MONITORING SITE | | OCT | NOV | DEC |
|--|-----------------------|------------|------------|------------|
| Central East Sydney region (Cont'd) | | | | |
| ROZELLE | | | | |
| Rozelle Hospital | | | | |
| Balmain Rd | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 91 | 86 | 91 |
| | Average | 2.3 | 1.7 | 1.6 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 4.0 | 2.7 | 2.7 |
| | 90-percentile Value | 5.0 | 3.5 | 4.0 |
| | Maximum 1-hour Value | 8.8 | 4.4 | 4.9 |
| | Maximum 4-hour Value | 7.5 | 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) |
| North West Sydney region | | | | |
| PROSPECT | | | | |
| William Lawson Park | | | | |
| Myrtle St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 91 | 94 | 92 |
| | Average | 2.3 | 1.7 | 1.9 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 4.7 | 3.8 | 3.7 |
| | 90-percentile Value | 6.2 | 6.3 | 5.9 |
| | Maximum 1-hour Value | 6.9 | 6.9 | 6.7 |
| | Maximum 4-hour Value | 6.2 | 6.4 | 6.1 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 (0) | 0 (0) | 0 (0) |
| | No. Days Above Level | 0 (0) | 0 (0) | 0 (0) |
| RICHMOND | | | | |
| University Of Western Sydney | | | | |
| Vines Rd | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 93 | 95 | 92 |
| | Average | 2.6 | 2.1 | 2.0 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 4.8 | 4.2 | 3.7 |
| | 90-percentile Value | 6.5 | 6.7 | 5.3 |
| | Maximum 1-hour Value | 7.1 | 7.2 | 5.9 |
| | Maximum 4-hour Value | 6.2 | 6.6 | 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) |
| ST MARYS | | | | |
| Mamre Rd | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 94 | 86 | 89 |
| | Average | 2.4 | 2.0 | 1.9 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 4.7 | 4.2 | 3.8 |
| | 90-percentile Value | 6.1 | 6.3 | 5.6 |
| | Maximum 1-hour Value | 6.7 | 7.3 | 6.5 |
| | Maximum 4-hour Value | 6.3 | 6.1 | 6.0 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 (0) | 0 (0) | 0 (0) |
| | No. Days Above Level | 0 (0) | 0 (0) | 0 (0) |

*** Data not available

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

2007 Data

TABLE 1 (Cont'd)
OZONE (O₃)

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

NEPM STANDARD LEVEL: 1-hour average = 10 pphm
4-hour average = 8 pphm

| MONITORING SITE | | OCT | NOV | DEC |
|--|-----------------------|------------|------------|------------|
| North West Sydney region (Cont'd) | | | | |
| VINEYARD | | | | |
| Castle Hill STP | | | | |
| Bandon Rd | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 91 | 80 | 92 |
| | Average | 2.8 | 2.1 | 1.9 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 4.8 | 4.0 | 3.5 |
| | 90-percentile Value | 6.4 | 6.5 | 5.0 |
| | Maximum 1-hour Value | 7.4 | 7.2 | 5.7 |
| | Maximum 4-hour Value | 6.7 | 6.5 | 5.1 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 (0) | 0 (0) | 0 (0) |
| | No. Days Above Level | 0 (0) | 0 (0) | 0 (0) |
| South West Sydney region | | | | |
| BARGO | | | | |
| Silica Rd | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 91 | 95 | 74 |
| | Average | 2.7 | 2.2 | 2.1 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 4.5 | 4.2 | 3.8 |
| | 90-percentile Value | 6.1 | 6.8 | 6.9 |
| | Maximum 1-hour Value | 7.4 | 7.7 | 7.1 |
| | Maximum 4-hour Value | 6.7 | 6.6 | 5.9 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 (0) | 0 (0) | 0 (0) |
| | No. Days Above Level | 0 (0) | 0 (0) | 0 (0) |
| BRINGELLY | | | | |
| Ramsay Rd | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 94 | 91 | 90 |
| | Average | 2.3 | 2.1 | 1.9 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 4.7 | 4.2 | 3.9 |
| | 90-percentile Value | 6.0 | 6.8 | 5.8 |
| | Maximum 1-hour Value | 7.1 | 7.2 | 6.6 |
| | Maximum 4-hour Value | 6.2 | 6.3 | 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) |
| LIVERPOOL | | | | |
| Rose St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 94 | 91 | 84 |
| | Average | 2.0 | 1.6 | 1.5 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 4.2 | 3.5 | 3.4 |
| | 90-percentile Value | 5.8 | 5.2 | 6.1 |
| | Maximum 1-hour Value | 6.6 | 6.8 | 6.4 |
| | Maximum 4-hour Value | 6.2 | 6.3 | 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) |

*** Data not available

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

2007 Data

TABLE 1 (Cont'd)
OZONE (O₃)

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

NEPM STANDARD LEVEL: 1-hour average = 10 pphm
4-hour average = 8 pphm

| MONITORING SITE | OCT | NOV | DEC |
|--|-------|-------|-------|
| South West Sydney region (Cont'd) | | | |
| MACARTHUR | | | |
| UWS Campbelltown campus | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 95 | 94 | 92 |
| Average | 2.3 | 2.0 | 1.9 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 4.7 | 4.2 | 4.0 |
| 90-percentile Value | 6.2 | 6.8 | 6.8 |
| Maximum 1-hour Value | 8.0 | 7.4 | 7.4 |
| Maximum 4-hour Value | 6.6 | 6.5 | 6.4 |
| NEPM STANDARD LEVEL: | | | |
| No. Hours Above Level | 0 (0) | 0 (0) | 0 (0) |
| No. Days Above Level | 0 (0) | 0 (0) | 0 (0) |
| OAKDALE | | | |
| Ridge Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 92 | 95 | 93 |
| Average | 3.4 | 2.7 | 2.4 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 4.5 | 4.6 | 4.0 |
| 90-percentile Value | 6.0 | 7.4 | 5.9 |
| Maximum 1-hour Value | 6.9 | 8.9 | 6.5 |
| Maximum 4-hour Value | 6.3 | 8.0 | 5.8 |
| NEPM STANDARD LEVEL: | | | |
| No. Hours Above Level | 0 (0) | 0 (1) | 0 (0) |
| No. Days Above Level | 0 (0) | 0 (1) | 0 (0) |
| Illawarra region | | | |
| ALBION PARK SOUTH | | | |
| Hughes Dr | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 96 | 94 | 93 |
| Average | 2.6 | 2.0 | 1.8 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 4.2 | 3.2 | 3.1 |
| 90-percentile Value | 5.8 | 4.1 | 4.6 |
| Maximum 1-hour Value | 8.0 | 5.3 | 5.7 |
| Maximum 4-hour Value | 6.8 | 4.1 | 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) |
| KEMBLA GRANGE | | | |
| Kembla Grange Racecourse | | | |
| Princes Hwy | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 94 | 90 | 93 |
| Average | 2.5 | 1.9 | 1.8 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 4.1 | 3.0 | 3.0 |
| 90-percentile Value | 6.3 | 4.3 | 4.8 |
| Maximum 1-hour Value | 9.3 | 4.8 | 6.0 |
| Maximum 4-hour Value | 8.2 | 4.6 | 5.3 |
| NEPM STANDARD LEVEL: | | | |
| No. Hours Above Level | 0 (1) | 0 (0) | 0 (0) |
| No. Days Above Level | 0 (1) | 0 (0) | 0 (0) |

*** Data not available

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

2007 Data

TABLE 1 (Cont'd)
OZONE (O₃)

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

NEPM STANDARD LEVEL: 1-hour average = 10 pphm
4-hour average = 8 pphm

| MONITORING SITE | | OCT | NOV | DEC |
|----------------------------------|-----------------------|-----------|-----------|-------|
| Illawarra region (Cont'd) | | | | |
| WOLLONGONG | | | | |
| Gipps St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 89 | 95 | 93 |
| | Average | 2.5 | 1.8 | 1.7 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 4.2 | 3.0 | 3.0 |
| | 90-percentile Value | 6.2 | 3.7 | 4.6 |
| | Maximum 1-hour Value | 7.6 | 4.9 | 6.3 |
| | Maximum 4-hour Value | 7.1 | 4.6 | 6.0 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 (0) | 0 (0) | 0 (0) |
| | No. Days Above Level | 0 (0) | 0 (0) | 0 (0) |
| Lower Hunter region | | | | |
| BERESFIELD | | | | |
| Francis Greenway | | | | |
| High School | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 95 | 90 | 57 |
| | Average | 2.4 | 1.8 | 1.4 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 4.3 | 3.2 | 2.5 |
| | 90-percentile Value | 5.6 | 4.6 | 3.6 |
| | Maximum 1-hour Value | 6.3 | 5.9 | 5.3 |
| | Maximum 4-hour Value | 5.7 | 5.3 | 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) |
| NEWCASTLE | | | | |
| Athletics Field | | | | |
| Smith St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | *** | *** | 31 |
| | Average | *** | *** | 1.4 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | *** | *** | 2.0 |
| | 90-percentile Value | *** | *** | 3.0 |
| | Maximum 1-hour Value | *** | *** | 3.3 |
| | Maximum 4-hour Value | *** | *** | 2.7 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | *** (***) | *** (***) | 0 (0) |
| | No. Days Above Level | *** (***) | *** (***) | 0 (0) |
| WALLSEND | | | | |
| Swimming Pool | | | | |
| Frances St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 86 | 93 | 92 |
| | Average | 2.5 | 1.9 | 1.8 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 4.3 | 3.3 | 3.1 |
| | 90-percentile Value | 5.4 | 4.6 | 4.5 |
| | Maximum 1-hour Value | 6.8 | 5.4 | 5.5 |
| | Maximum 4-hour Value | 5.9 | 4.7 | 4.8 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 (0) | 0 (0) | 0 (0) |
| | No. Days Above Level | 0 (0) | 0 (0) | 0 (0) |

*** Data not available

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

2007 Data

TABLE 2

NITROGEN DIOXIDE (NO₂)

NEPM STANDARD LEVEL: 1-hour average = 12 pphm

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

| MONITORING SITE | | OCT | NOV | DEC |
|-----------------------------------|-----------------------|-----|-----|-----|
| Central East Sydney region | | | | |
| CHULLORA | | | | |
| Southern Sydney TAFE | | | | |
| Worth St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 94 | 95 | 93 |
| | Average | 1.3 | 1.0 | 0.9 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.9 | 1.8 | 1.8 |
| | 90-percentile Value | 3.7 | 2.3 | 2.8 |
| | Maximum 1-hour Value | 4.7 | 3.8 | 3.2 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |
| EARLWOOD | | | | |
| Beaman Park | | | | |
| Riverview Rd | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 95 | 92 | 93 |
| | Average | 1.3 | 0.7 | 0.7 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.8 | 1.5 | 1.6 |
| | 90-percentile Value | 3.8 | 2.2 | 2.5 |
| | Maximum 1-hour Value | 5.0 | 3.6 | 2.8 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |
| LINDFIELD | | | | |
| Bradfield Rd | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 92 | 70 | 88 |
| | Average | 1.5 | 1.1 | 0.8 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.6 | 1.7 | 1.5 |
| | 90-percentile Value | 3.3 | 2.4 | 2.3 |
| | Maximum 1-hour Value | 4.2 | 3.1 | 2.6 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |
| RANDWICK | | | | |
| Randwick Barracks | | | | |
| Cnr Avoca & Bundock Sts | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 88 | 85 | 63 |
| | Average | 0.8 | 0.4 | 0.4 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.4 | 1.1 | 1.5 |
| | 90-percentile Value | 3.6 | 2.2 | 3.1 |
| | Maximum 1-hour Value | 3.8 | 2.5 | 3.2 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |

*** Data not available

2007 Data

TABLE 2 (Cont'd)

NITROGEN DIOXIDE (NO₂)

NEPM STANDARD LEVEL: 1-hour average = 12 ppm

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

| MONITORING SITE | | OCT | NOV | DEC |
|--|-----------------------|-----|-----|-----|
| Central East Sydney region (Cont'd) | | | | |
| ROZELLE | | | | |
| Rozelle Hospital | | | | |
| Balmain Rd | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 91 | 53 | 87 |
| | Average | 1.2 | 0.8 | 0.7 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.6 | 1.6 | 1.4 |
| | 90-percentile Value | 3.7 | 2.3 | 2.2 |
| | Maximum 1-hour Value | 5.0 | 3.5 | 2.8 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |
| North West Sydney region | | | | |
| PROSPECT | | | | |
| William Lawson Park | | | | |
| Myrtle St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 91 | 95 | 86 |
| | Average | 1.2 | 1.0 | 0.8 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.8 | 1.9 | 1.6 |
| | 90-percentile Value | 3.7 | 2.7 | 2.2 |
| | Maximum 1-hour Value | 4.3 | 2.8 | 2.6 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |
| RICHMOND | | | | |
| University Of Western Sydney | | | | |
| Vines Rd | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 93 | 95 | 93 |
| | Average | 0.6 | 0.5 | 0.4 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 1.6 | 1.0 | 0.9 |
| | 90-percentile Value | 2.3 | 1.5 | 1.4 |
| | Maximum 1-hour Value | 2.8 | 1.9 | 1.7 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |
| ST MARYS | | | | |
| Mamre Rd | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 94 | 76 | 87 |
| | Average | 0.7 | 0.6 | 0.5 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 1.9 | 1.3 | 1.2 |
| | 90-percentile Value | 3.0 | 1.9 | 1.9 |
| | Maximum 1-hour Value | 4.3 | 2.8 | 2.2 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |

*** Data not available

2007 Data

TABLE 2 (Cont'd)

NITROGEN DIOXIDE (NO₂)

NEPM STANDARD LEVEL: 1-hour average = 12 ppm

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

| MONITORING SITE | | OCT | NOV | DEC |
|--|-----------------------|-----|-----|-----|
| North West Sydney region (Cont'd) | | | | |
| VINEYARD | | | | |
| Castle Hill STP | | | | |
| Bandon Rd | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 91 | 80 | 92 |
| | Average | 0.6 | 0.6 | 0.4 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 1.5 | 1.3 | 1.0 |
| | 90-percentile Value | 2.2 | 2.0 | 1.6 |
| | Maximum 1-hour Value | 3.0 | 2.0 | 2.1 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |
| South West Sydney region | | | | |
| BARGO | | | | |
| Silica Rd | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 91 | 95 | 74 |
| | Average | 0.7 | 0.5 | 0.4 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.5 | 1.4 | 1.3 |
| | 90-percentile Value | 4.2 | 2.3 | 2.5 |
| | Maximum 1-hour Value | 4.6 | 3.3 | 3.8 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |
| BRINGELLY | | | | |
| Ramsay Rd | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 94 | 91 | 90 |
| | Average | 0.6 | 0.5 | 0.4 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 1.5 | 1.0 | 1.0 |
| | 90-percentile Value | 2.8 | 1.7 | 1.6 |
| | Maximum 1-hour Value | 4.4 | 1.7 | 1.9 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |
| LIVERPOOL | | | | |
| Rose St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 94 | 94 | 77 |
| | Average | 1.3 | 0.9 | 0.9 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.9 | 1.8 | 1.7 |
| | 90-percentile Value | 3.9 | 2.3 | 2.7 |
| | Maximum 1-hour Value | 5.2 | 3.3 | 3.3 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |

*** Data not available

2007 Data

TABLE 2 (Cont'd)

NITROGEN DIOXIDE (NO₂)

NEPM STANDARD LEVEL: 1-hour average = 12 ppm

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

| MONITORING SITE | OCT | NOV | DEC |
|--|------------|------------|------------|
| South West Sydney region (Cont'd) | | | |
| MACARTHUR | | | |
| UWS Campbelltown campus | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 95 | 95 | 92 |
| Average | 1.3 | 0.8 | 0.8 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 3.1 | 1.9 | 2.0 |
| 90-percentile Value | 4.1 | 2.6 | 3.3 |
| Maximum 1-hour Value | 4.7 | 3.9 | 3.7 |
| NEPM STANDARD LEVEL: | | | |
| No. Hours Above Level | 0 | 0 | 0 |
| No. Days Above Level | 0 | 0 | 0 |
| OAKDALE | | | |
| Ridge Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 92 | 95 | 93 |
| Average | 0.2 | 0.3 | 0.2 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 0.6 | 0.7 | 0.6 |
| 90-percentile Value | 1.0 | 1.2 | 1.0 |
| Maximum 1-hour Value | 1.8 | 1.5 | 1.2 |
| NEPM STANDARD LEVEL: | | | |
| No. Hours Above Level | 0 | 0 | 0 |
| No. Days Above Level | 0 | 0 | 0 |
| Illawarra region | | | |
| ALBION PARK SOUTH | | | |
| Hughes Dr | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 96 | 94 | 93 |
| Average | 0.5 | 0.3 | 0.4 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 1.5 | 0.9 | 0.9 |
| 90-percentile Value | 3.2 | 2.3 | 2.0 |
| Maximum 1-hour Value | 4.5 | 2.9 | 2.2 |
| NEPM STANDARD LEVEL: | | | |
| No. Hours Above Level | 0 | 0 | 0 |
| No. Days Above Level | 0 | 0 | 0 |
| KEMBLA GRANGE | | | |
| Kembla Grange Racecourse | | | |
| Princes Hwy | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 95 | 77 | 93 |
| Average | 0.5 | 0.3 | 0.3 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 1.4 | 0.8 | 0.8 |
| 90-percentile Value | 2.2 | 1.6 | 1.3 |
| Maximum 1-hour Value | 4.2 | 2.0 | 1.8 |
| NEPM STANDARD LEVEL: | | | |
| No. Hours Above Level | 0 | 0 | 0 |
| No. Days Above Level | 0 | 0 | 0 |

*** Data not available

2007 Data

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

NEPM STANDARD LEVEL: 1-hour average = 12 ppm

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

| MONITORING SITE | | OCT | NOV | DEC |
|----------------------------------|-----------------------|-----|-----|-----|
| Illawarra region (Cont'd) | | | | |
| WOLLONGONG | | | | |
| Gipps St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 89 | 86 | 93 |
| | Average | 0.9 | 0.7 | 0.6 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.5 | 1.6 | 1.5 |
| | 90-percentile Value | 3.6 | 2.3 | 2.2 |
| | Maximum 1-hour Value | 4.3 | 2.7 | 2.8 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |
| Lower Hunter region | | | | |
| BERESFIELD | | | | |
| Francis Greenway | | | | |
| High School | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 95 | 95 | 89 |
| | Average | 1.0 | 0.7 | 0.4 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.4 | 1.6 | 1.2 |
| | 90-percentile Value | 3.2 | 2.0 | 1.7 |
| | Maximum 1-hour Value | 3.3 | 2.4 | 1.9 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |
| NEWCASTLE | | | | |
| Athletics Field | | | | |
| Smith St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | *** | *** | *** |
| | Average | *** | *** | *** |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | *** | *** | *** |
| | 90-percentile Value | *** | *** | *** |
| | Maximum 1-hour Value | *** | *** | *** |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | *** | *** | *** |
| | No. Days Above Level | *** | *** | *** |
| WALLSEND | | | | |
| Swimming Pool | | | | |
| Frances St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 91 | 94 | 93 |
| | Average | 0.8 | 0.5 | 0.4 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 2.0 | 1.2 | 0.9 |
| | 90-percentile Value | 3.1 | 1.8 | 1.4 |
| | Maximum 1-hour Value | 3.2 | 2.4 | 1.6 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Hours Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |

*** Data not available

2007 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 | | OCT | | NOV | | DEC | |
|-----------------------------------|----------------------|-----------------|------|-----------------|------|-----------------|------|
| | | NO _x | NO | NO _x | NO | NO _x | NO |
| Central East Sydney region | | | | | | | |
| CHULLORA | | | | | | | |
| Southern Sydney TAFE | | | | | | | |
| Worth St | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 94 | 94 | 95 | 95 | 93 | 93 |
| | Average | 2.5 | 1.1 | 1.6 | 0.6 | 1.5 | 0.7 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 7.8 | 5.2 | 4.3 | 2.7 | 4.5 | 3.1 |
| | 90-percentile Value | 13.8 | 10.9 | 9.2 | 7.2 | 8.1 | 6.3 |
| | Maximum 1-hour Value | 18.5 | 15.8 | 12.0 | 10.7 | 13.6 | 11.6 |
| EARLWOOD | | | | | | | |
| Beaman Park | | | | | | | |
| Riverview Rd | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 95 | 95 | 92 | 92 | 93 | 93 |
| | Average | 2.5 | 1.2 | 1.2 | 0.5 | 1.3 | 0.6 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 7.7 | 5.5 | 3.4 | 2.2 | 3.6 | 2.3 |
| | 90-percentile Value | 14.2 | 11.3 | 7.1 | 4.9 | 7.1 | 5.5 |
| | Maximum 1-hour Value | 18.2 | 15.5 | 12.6 | 11.5 | 11.9 | 10.8 |
| LINDFIELD | | | | | | | |
| Bradfield Rd | | | | | | | |
| | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 92 | 92 | 70 | 70 | 88 | 88 |
| | Average | 2.7 | 1.2 | 2.0 | 1.0 | 1.3 | 0.5 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 4.7 | 2.4 | 3.7 | 2.2 | 3.0 | 1.7 |
| | 90-percentile Value | 6.8 | 4.0 | 6.5 | 4.4 | 5.4 | 3.6 |
| | Maximum 1-hour Value | 7.9 | 5.6 | 7.2 | 4.9 | 9.0 | 7.9 |
| RANDWICK | | | | | | | |
| Randwick Barracks | | | | | | | |
| Cnr Avoca & Bundock Sts | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 88 | 88 | 85 | 85 | 63 | 63 |
| | Average | 1.1 | 0.4 | 0.4 | 0.1 | 0.6 | 0.2 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 5.2 | 2.8 | 1.8 | 0.7 | 2.6 | 1.1 |
| | 90-percentile Value | 10.5 | 7.0 | 3.4 | 1.9 | 5.9 | 3.9 |
| | Maximum 1-hour Value | 11.2 | 8.6 | 9.4 | 6.8 | 8.6 | 7.0 |
| ROZELLE | | | | | | | |
| Rozelle Hospital | | | | | | | |
| Balmain Rd | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 91 | 91 | 53 | 53 | 87 | 87 |
| | Average | 1.6 | 0.4 | 1.0 | 0.3 | 1.0 | 0.3 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 4.4 | 2.0 | 2.6 | 1.1 | 2.5 | 1.3 |
| | 90-percentile Value | 8.2 | 4.6 | 5.4 | 2.6 | 4.0 | 2.3 |
| | Maximum 1-hour Value | 10.0 | 5.1 | 6.3 | 4.1 | 7.5 | 6.0 |

*** Data not available

2007 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 | | OCT | | NOV | | DEC | |
|---------------------------------|----------------------|------|------|------|------|------|------|
| | | NOx | NO | NOx | NO | NOx | NO |
| North West Sydney region | | | | | | | |
| PROSPECT | | | | | | | |
| William Lawson Park | | | | | | | |
| Myrtle St | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 91 | 91 | 95 | 95 | 86 | 86 |
| | Average | 2.1 | 0.9 | 1.7 | 0.7 | 1.3 | 0.5 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 8.1 | 5.4 | 5.1 | 3.4 | 4.3 | 2.9 |
| | 90-percentile Value | 12.0 | 9.2 | 10.1 | 8.3 | 8.1 | 6.5 |
| | Maximum 1-hour Value | 20.9 | 17.0 | 17.4 | 15.0 | 16.9 | 14.9 |
| RICHMOND | | | | | | | |
| University Of Western Sydney | | | | | | | |
| Vines Rd | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 93 | 93 | 95 | 95 | 93 | 93 |
| | Average | 0.7 | 0.1 | 0.6 | 0.1 | 0.5 | 0.1 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 2.1 | 0.7 | 1.3 | 0.4 | 1.1 | 0.4 |
| | 90-percentile Value | 3.0 | 1.3 | 1.9 | 0.8 | 1.7 | 0.9 |
| | Maximum 1-hour Value | 4.1 | 1.8 | 2.4 | 1.3 | 2.2 | 1.2 |
| ST MARYS | | | | | | | |
| Mamre Rd | | | | | | | |
| | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 94 | 94 | 76 | 76 | 87 | 87 |
| | Average | 0.8 | 0.2 | 0.7 | 0.1 | 0.6 | 0.1 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 2.9 | 1.4 | 1.9 | 0.9 | 1.5 | 0.6 |
| | 90-percentile Value | 6.1 | 4.1 | 4.1 | 2.6 | 2.8 | 1.5 |
| | Maximum 1-hour Value | 10.7 | 7.8 | 5.2 | 3.6 | 2.9 | 2.2 |
| VINEYARD | | | | | | | |
| Castle Hill STP | | | | | | | |
| Bandon Rd | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 91 | 91 | 80 | 80 | 92 | 92 |
| | Average | 0.7 | 0.1 | 0.8 | 0.1 | 0.5 | 0.1 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 1.9 | 0.6 | 1.9 | 0.7 | 1.4 | 0.5 |
| | 90-percentile Value | 2.7 | 1.2 | 2.9 | 1.6 | 2.2 | 1.3 |
| | Maximum 1-hour Value | 3.3 | 1.8 | 3.5 | 2.1 | 2.5 | 1.4 |
| South West Sydney region | | | | | | | |
| BARGO | | | | | | | |
| Silica Rd | | | | | | | |
| | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 91 | 91 | 95 | 95 | 74 | 74 |
| | Average | 1.2 | 0.5 | 0.8 | 0.3 | 0.5 | 0.2 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 6.2 | 3.9 | 2.8 | 1.6 | 2.3 | 1.1 |
| | 90-percentile Value | 13.5 | 11.1 | 5.8 | 4.5 | 4.0 | 2.5 |
| | Maximum 1-hour Value | 23.9 | 19.3 | 13.4 | 11.1 | 8.9 | 5.1 |

*** Data not available

2007 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 | OCT | | NOV | | DEC | | |
|--|----------------------|------|-----------------|------|-----------------|------|------|
| | NO _x | NO | NO _x | NO | NO _x | NO | |
| South West Sydney region (Cont'd) | | | | | | | |
| BRINGELLY | | | | | | | |
| Ramsay Rd | | | | | | | |
| | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 94 | 94 | 91 | 91 | 90 | 90 |
| | Average | 0.7 | 0.2 | 0.6 | 0.1 | 0.5 | 0.1 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 2.1 | 1.0 | 1.4 | 0.6 | 1.2 | 0.5 |
| | 90-percentile Value | 3.5 | 2.0 | 2.3 | 1.3 | 2.0 | 1.2 |
| | Maximum 1-hour Value | 6.6 | 6.1 | 2.6 | 2.2 | 2.6 | 1.4 |
| LIVERPOOL | | | | | | | |
| Rose St | | | | | | | |
| | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 94 | 94 | 94 | 94 | 77 | 77 |
| | Average | 2.6 | 1.2 | 1.5 | 0.6 | 1.7 | 0.7 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 8.9 | 6.3 | 4.6 | 3.0 | 4.3 | 2.9 |
| | 90-percentile Value | 13.0 | 10.7 | 9.8 | 8.3 | 8.1 | 6.9 |
| | Maximum 1-hour Value | 18.4 | 15.3 | 17.6 | 15.1 | 9.7 | 7.8 |
| MACARTHUR | | | | | | | |
| UWS Campbelltown campus | | | | | | | |
| | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 95 | 95 | 95 | 95 | 92 | 92 |
| | Average | 2.4 | 1.1 | 1.5 | 0.6 | 1.5 | 0.7 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 7.6 | 5.0 | 4.9 | 3.2 | 5.4 | 3.7 |
| | 90-percentile Value | 13.4 | 9.6 | 9.7 | 7.6 | 8.3 | 6.7 |
| | Maximum 1-hour Value | 16.6 | 13.9 | 11.1 | 8.9 | 17.1 | 15.5 |
| OAKDALE | | | | | | | |
| Ridge Rd | | | | | | | |
| | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 92 | 92 | 95 | 95 | 93 | 93 |
| | Average | 0.2 | 0.0 | 0.3 | 0.0 | 0.2 | 0.0 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 0.6 | 0.1 | 0.7 | 0.1 | 0.6 | 0.1 |
| | 90-percentile Value | 1.0 | 0.1 | 1.2 | 0.2 | 1.0 | 0.2 |
| | Maximum 1-hour Value | 1.8 | 0.3 | 1.5 | 0.3 | 1.2 | 0.4 |
| Illawarra region | | | | | | | |
| ALBION PARK SOUTH | | | | | | | |
| Hughes Dr | | | | | | | |
| | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 96 | 96 | 94 | 94 | 93 | 93 |
| | Average | 0.6 | 0.1 | 0.3 | 0.1 | 0.4 | 0.1 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 2.0 | 0.6 | 1.1 | 0.3 | 1.2 | 0.4 |
| | 90-percentile Value | 4.0 | 1.8 | 2.7 | 0.9 | 2.6 | 1.0 |
| | Maximum 1-hour Value | 5.7 | 2.9 | 3.8 | 1.3 | 3.2 | 1.5 |

*** Data not available

2007 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 | | OCT | | NOV | | DEC | |
|----------------------------------|----------------------|-----------------|------|-----------------|-----|-----------------|-----|
| | | NO _x | NO | NO _x | NO | NO _x | NO |
| Illawarra region (Cont'd) | | | | | | | |
| KEMBLA GRANGE | | | | | | | |
| Kembla Grange Racecourse | | | | | | | |
| Princes Hwy | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 95 | 95 | 77 | 77 | 93 | 93 |
| | Average | 0.7 | 0.1 | 0.4 | 0.1 | 0.5 | 0.1 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 2.2 | 1.0 | 1.6 | 0.8 | 1.4 | 0.6 |
| | 90-percentile Value | 4.5 | 3.0 | 3.1 | 2.2 | 2.6 | 1.7 |
| | Maximum 1-hour Value | 7.9 | 4.7 | 5.3 | 4.2 | 4.4 | 3.2 |
| WOLLONGONG | | | | | | | |
| Gipps St | | | | | | | |
| | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 89 | 89 | 86 | 86 | 93 | 93 |
| | Average | 1.4 | 0.5 | 0.9 | 0.2 | 0.9 | 0.3 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 6.0 | 3.6 | 3.0 | 1.6 | 2.9 | 1.5 |
| | 90-percentile Value | 12.5 | 8.9 | 5.3 | 3.8 | 5.4 | 4.0 |
| | Maximum 1-hour Value | 19.8 | 16.5 | 6.3 | 5.0 | 7.7 | 6.5 |
| Lower Hunter region | | | | | | | |
| BERESFIELD | | | | | | | |
| Francis Greenway | | | | | | | |
| High School | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 95 | 95 | 95 | 95 | 89 | 89 |
| | Average | 1.4 | 0.4 | 1.2 | 0.5 | 0.7 | 0.3 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 4.8 | 2.7 | 3.7 | 2.4 | 2.6 | 1.5 |
| | 90-percentile Value | 9.4 | 6.4 | 6.7 | 5.5 | 5.0 | 3.8 |
| | Maximum 1-hour Value | 12.1 | 9.5 | 9.3 | 7.8 | 5.9 | 4.6 |
| NEWCASTLE | | | | | | | |
| Athletics Field | | | | | | | |
| Smith St | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | *** | *** | *** | *** | *** | *** |
| | Average | *** | *** | *** | *** | *** | *** |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | *** | *** | *** | *** | *** | *** |
| | 90-percentile Value | *** | *** | *** | *** | *** | *** |
| | Maximum 1-hour Value | *** | *** | *** | *** | *** | *** |
| WALLSEND | | | | | | | |
| Swimming Pool | | | | | | | |
| Frances St | ALL HOURS IN MONTH: | | | | | | |
| | % Sampling Time | 91 | 91 | 94 | 94 | 93 | 93 |
| | Average | 1.1 | 0.3 | 0.7 | 0.2 | 0.5 | 0.1 |
| | DAILY 1-HOUR MAXIMA: | | | | | | |
| | Monthly Average | 3.2 | 1.6 | 2.2 | 1.2 | 1.5 | 0.7 |
| | 90-percentile Value | 5.7 | 3.9 | 4.0 | 2.8 | 3.1 | 2.0 |
| | Maximum 1-hour Value | 7.2 | 5.8 | 5.7 | 4.5 | 3.4 | 2.5 |

*** Data not available

2007 Data

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

| MONITORING SITE | | OCT | NOV | DEC |
|-----------------------------------|-------------------------|-----|-----|-----|
| Central East Sydney region | | | | |
| CHULLORA | | | | |
| Southern Sydney TAFE | | | | |
| Worth St | | | | |
| | % Sampling Time | 99 | 100 | 100 |
| | Monthly Average | 0.3 | 0.2 | 0.2 |
| | 90-percentile Value | 0.6 | 0.5 | 0.4 |
| | Maximum 24-hour Average | 0.7 | 0.6 | 0.6 |
| | Maximum 1-hour Value | 2.0 | 1.4 | 1.0 |
| EARLWOOD | | | | |
| Beaman Park | | | | |
| Riverview Rd | | | | |
| | % Sampling Time | 100 | 99 | 100 |
| | Monthly Average | 0.3 | 0.2 | 0.2 |
| | 90-percentile Value | 0.6 | 0.4 | 0.4 |
| | Maximum 24-hour Average | 0.6 | 0.6 | 0.6 |
| | Maximum 1-hour Value | 1.9 | 1.0 | 1.6 |
| LINDFIELD | | | | |
| Bradfield Rd | | | | |
| | % Sampling Time | 100 | 100 | 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 | 0.5 |
| | Maximum 1-hour Value | 5.4 | 1.0 | 0.9 |
| RANDWICK | | | | |
| Randwick Barracks | | | | |
| Cnr Avoca & Bundock Sts | | | | |
| | % Sampling Time | 100 | 99 | 100 |
| | Monthly Average | 0.3 | 0.2 | 0.3 |
| | 90-percentile Value | 0.5 | 0.4 | 0.5 |
| | Maximum 24-hour Average | 0.6 | 0.6 | 0.6 |
| | Maximum 1-hour Value | 1.5 | 0.8 | 1.5 |
| ROZELLE | | | | |
| Rozelle Hospital | | | | |
| Balmain Rd | | | | |
| | % Sampling Time | 100 | 99 | 99 |
| | Monthly Average | 0.3 | 0.2 | 0.2 |
| | 90-percentile Value | 0.5 | 0.4 | 0.3 |
| | Maximum 24-hour Average | 0.6 | 0.5 | 0.5 |
| | Maximum 1-hour Value | 1.3 | 1.0 | 0.8 |

*** Data not available

2007 Data

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

| MONITORING SITE | | OCT | NOV | DEC |
|---------------------------------|-------------------------|-----|-----|-----|
| North West Sydney region | | | | |
| PROSPECT | | | | |
| William Lawson Park | | | | |
| Myrtle St | | | | |
| | % Sampling Time | 98 | 100 | 100 |
| | Monthly Average | 0.3 | 0.2 | 0.2 |
| | 90-percentile Value | 0.6 | 0.5 | 0.4 |
| | Maximum 24-hour Average | 0.7 | 0.7 | 0.6 |
| | Maximum 1-hour Value | 2.7 | 1.4 | 1.2 |
| RICHMOND | | | | |
| University Of Western Sydney | | | | |
| Vines Rd | | | | |
| | % Sampling Time | 100 | 97 | 100 |
| | Monthly Average | 0.2 | 0.3 | 0.2 |
| | 90-percentile Value | 0.4 | 0.6 | 0.5 |
| | Maximum 24-hour Average | 0.5 | 1.0 | 0.7 |
| | Maximum 1-hour Value | 1.7 | 1.4 | 1.3 |
| ST MARYS | | | | |
| Mamre Rd | | | | |
| | % Sampling Time | 100 | 99 | 39 |
| | Monthly Average | 0.3 | 0.2 | 0.2 |
| | 90-percentile Value | 0.6 | 0.4 | 0.3 |
| | Maximum 24-hour Average | 0.7 | 0.7 | 0.4 |
| | Maximum 1-hour Value | 1.0 | 1.0 | 0.8 |
| VINEYARD | | | | |
| Castle Hill STP | | | | |
| Bandon Rd | | | | |
| | % Sampling Time | 100 | 96 | 100 |
| | Monthly Average | 0.2 | 0.2 | 0.2 |
| | 90-percentile Value | 0.4 | 0.4 | 0.4 |
| | Maximum 24-hour Average | 0.5 | 0.7 | 0.5 |
| | Maximum 1-hour Value | 0.9 | 1.3 | 0.8 |
| South West Sydney region | | | | |
| BARGO | | | | |
| Silica Rd | | | | |
| | % Sampling Time | 98 | 100 | 80 |
| | Monthly Average | 0.2 | 0.2 | 0.2 |
| | 90-percentile Value | 0.5 | 0.6 | 0.5 |
| | Maximum 24-hour Average | 0.5 | 1.1 | 0.9 |
| | Maximum 1-hour Value | 1.0 | 2.0 | 1.2 |

*** Data not available

2007 Data

TABLE 4.1 (Cont'd)

PARTICULATE MATTER: BY NEPHELOMETER (NEPH)

Coefficient of light scattering by fine particles per 10 km

1-HOUR CLOCK AVERAGE

| MONITORING SITE | | OCT | NOV | DEC |
|--|-------------------------|-----|-----|-----|
| South West Sydney region (Cont'd) | | | | |
| BRINGELLY | | | | |
| Ramsay Rd | | | | |
| | % Sampling Time | 100 | 100 | 99 |
| | Monthly Average | 0.2 | 0.2 | 0.2 |
| | 90-percentile Value | 0.5 | 0.5 | 0.5 |
| | Maximum 24-hour Average | 0.7 | 0.8 | 0.6 |
| | Maximum 1-hour Value | 1.9 | 1.6 | 1.6 |
| LIVERPOOL | | | | |
| Rose St | | | | |
| | % Sampling Time | 99 | 100 | 99 |
| | Monthly Average | 0.3 | 0.2 | 0.2 |
| | 90-percentile Value | 0.5 | 0.4 | 0.4 |
| | Maximum 24-hour Average | 0.7 | 0.5 | 0.5 |
| | Maximum 1-hour Value | 1.3 | 1.2 | 1.4 |
| MACARTHUR | | | | |
| UWS Campbelltown campus | | | | |
| | % Sampling Time | 100 | 100 | 99 |
| | Monthly Average | 0.3 | 0.3 | 0.3 |
| | 90-percentile Value | 0.5 | 0.6 | 0.6 |
| | Maximum 24-hour Average | 0.7 | 0.9 | 0.9 |
| | Maximum 1-hour Value | 1.1 | 1.6 | 1.5 |
| OAKDALE | | | | |
| Ridge Rd | | | | |
| | % Sampling Time | 83 | 99 | 98 |
| | Monthly Average | 0.2 | 0.2 | 0.2 |
| | 90-percentile Value | 0.5 | 0.5 | 0.4 |
| | Maximum 24-hour Average | 0.5 | 0.9 | 0.7 |
| | Maximum 1-hour Value | 1.1 | 1.7 | 1.2 |
| Illawarra region | | | | |
| ALBION PARK SOUTH | | | | |
| Hughes Dr | | | | |
| | % Sampling Time | 100 | 99 | 100 |
| | Monthly Average | 0.3 | 0.2 | 0.3 |
| | 90-percentile Value | 0.6 | 0.5 | 0.5 |
| | Maximum 24-hour Average | 0.7 | 0.8 | 0.8 |
| | Maximum 1-hour Value | 2.2 | 1.3 | 1.1 |

*** Data not available

2007 Data

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

| MONITORING SITE | | OCT | NOV | DEC |
|----------------------------------|-------------------------|-----|-----|-----|
| Illawarra region (Cont'd) | | | | |
| KEMBLA GRANGE | | | | |
| Kembla Grange Racecourse | | | | |
| Princes Hwy | | | | |
| | % Sampling Time | 100 | 100 | 99 |
| | Monthly Average | 0.2 | 0.2 | 0.2 |
| | 90-percentile Value | 0.5 | 0.4 | 0.4 |
| | Maximum 24-hour Average | 0.7 | 0.7 | 0.8 |
| | Maximum 1-hour Value | 1.1 | 1.5 | 1.1 |
| WOLLONGONG | | | | |
| Gipps St | | | | |
| | % Sampling Time | 97 | 100 | 100 |
| | Monthly Average | 0.3 | 0.2 | 0.2 |
| | 90-percentile Value | 0.6 | 0.5 | 0.5 |
| | Maximum 24-hour Average | 0.7 | 0.6 | 0.8 |
| | Maximum 1-hour Value | 1.2 | 1.2 | 1.1 |
| Lower Hunter region | | | | |
| BERESFIELD | | | | |
| Francis Greenway | | | | |
| High School | | | | |
| | % Sampling Time | 100 | 100 | 99 |
| | Monthly Average | 0.2 | 0.1 | 0.1 |
| | 90-percentile Value | 0.5 | 0.3 | 0.2 |
| | Maximum 24-hour Average | 0.6 | 0.5 | 0.3 |
| | Maximum 1-hour Value | 1.5 | 0.8 | 0.6 |
| NEWCASTLE | | | | |
| Athletics Field | | | | |
| Smith St | | | | |
| | % Sampling Time | *** | *** | 56 |
| | Monthly Average | *** | *** | 0.2 |
| | 90-percentile Value | *** | *** | 0.3 |
| | Maximum 24-hour Average | *** | *** | 0.4 |
| | Maximum 1-hour Value | *** | *** | 0.8 |
| WALLSEND | | | | |
| Swimming Pool | | | | |
| Frances St | | | | |
| | % Sampling Time | 100 | 100 | 100 |
| | Monthly Average | 0.3 | 0.2 | 0.2 |
| | 90-percentile Value | 0.6 | 0.4 | 0.3 |
| | Maximum 24-hour Average | 0.8 | 0.6 | 0.4 |
| | Maximum 1-hour Value | 2.1 | 0.9 | 0.8 |

*** Data not available

2007 Data

TABLE 4.2

PARTICULATE MATTER: BY TAPERED ELEMENT

OSCILLATING MICROBALANCE (TEOM-PM₁₀)

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

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:

24-hour average = 50 µg/m³

| MONITORING SITE | | OCT | NOV | DEC |
|-----------------------------------|-----------------------|-----|-----|-----|
| Central East Sydney region | | | | |
| CHULLORA | | | | |
| Southern Sydney TAFE | | | | |
| Worth St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 95 | 95 | 94 |
| | Average | 26 | 16 | 19 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 46 | 27 | 32 |
| | 90-percentile Value | 71 | 41 | 42 |
| | Maximum 1-hour Value | 108 | 57 | 85 |
| | Maximum 24-hour Value | 40 | 30 | 29 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |
| EARLWOOD | | | | |
| Beaman Park | | | | |
| Riverview Rd | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 96 | 99 | 98 |
| | Average | 29 | 16 | 19 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 65 | 30 | 31 |
| | 90-percentile Value | 138 | 39 | 43 |
| | Maximum 1-hour Value | 246 | 58 | 72 |
| | Maximum 24-hour Value | 49 | 31 | 30 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |
| LINDFIELD | | | | |
| Bradfield Rd | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 99 | 98 | 95 |
| | Average | 20 | 13 | 16 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 42 | 28 | 27 |
| | 90-percentile Value | 71 | 43 | 39 |
| | Maximum 1-hour Value | 129 | 47 | 49 |
| | Maximum 24-hour Value | 35 | 29 | 28 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |
| RANDWICK | | | | |
| Randwick Barracks | | | | |
| Cnr Avoca & Bundock Sts | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 98 | 98 | 99 |
| | Average | 24 | 16 | 20 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 52 | 28 | 32 |
| | 90-percentile Value | 99 | 41 | 47 |
| | Maximum 1-hour Value | 175 | 63 | 74 |
| | Maximum 24-hour Value | 36 | 28 | 32 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |

*** Data not available

2007 Data

TABLE 4.2 (Cont'd)

PARTICULATE MATTER: BY TAPERED ELEMENT

OSCILLATING MICROBALANCE (TEOM-PM₁₀)

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

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:

24-hour average = 50 µg/m³

| MONITORING SITE | | OCT | NOV | DEC |
|--|-----------------------|-----|-----|-----|
| Central East Sydney region (Cont'd) | | | | |
| ROZELLE | | | | |
| Rozelle Hospital | | | | |
| Balmain Rd | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 99 | 97 | 98 |
| | Average | 25 | 16 | 18 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 49 | 29 | 30 |
| | 90-percentile Value | 79 | 44 | 42 |
| | Maximum 1-hour Value | 147 | 57 | 48 |
| | Maximum 24-hour Value | 40 | 31 | 30 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |
| North West Sydney region | | | | |
| PROSPECT | | | | |
| William Lawson Park | | | | |
| Myrtle St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 97 | 98 | 97 |
| | Average | 26 | 16 | 17 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 54 | 28 | 28 |
| | 90-percentile Value | 107 | 46 | 38 |
| | Maximum 1-hour Value | 147 | 54 | 43 |
| | Maximum 24-hour Value | 47 | 34 | 27 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |
| RICHMOND | | | | |
| University Of Western Sydney | | | | |
| Vines Rd | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 98 | 100 | 94 |
| | Average | 20 | 13 | 15 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 43 | 25 | 26 |
| | 90-percentile Value | 70 | 42 | 37 |
| | Maximum 1-hour Value | 80 | 43 | 38 |
| | Maximum 24-hour Value | 36 | 30 | 25 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |
| ST MARYS | | | | |
| Mamre Rd | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 96 | 99 | 59 |
| | Average | 26 | 15 | 16 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 72 | 28 | 26 |
| | 90-percentile Value | 134 | 51 | 35 |
| | Maximum 1-hour Value | 232 | 64 | 44 |
| | Maximum 24-hour Value | 48 | 37 | 21 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |

*** Data not available

2007 Data

TABLE 4.2 (Cont'd)

PARTICULATE MATTER: BY TAPERED ELEMENT

OSCILLATING MICROBALANCE (TEOM-PM₁₀)

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

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:

24-hour average = 50 µg/m³

| MONITORING SITE | | OCT | NOV | DEC |
|--|-----------------------|-----|-----|-----|
| North West Sydney region (Cont'd) | | | | |
| VINEYARD | | | | |
| Castle Hill STP | | | | |
| Bandon Rd | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 100 | 81 | 98 |
| | Average | 22 | 14 | 15 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 42 | 26 | 24 |
| | 90-percentile Value | 67 | 47 | 36 |
| | Maximum 1-hour Value | 81 | 57 | 38 |
| | Maximum 24-hour Value | 40 | 32 | 23 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |
| South West Sydney region | | | | |
| BRINGELLY | | | | |
| Ramsay Rd | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 97 | 97 | 98 |
| | Average | 25 | 16 | 17 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 59 | 31 | 30 |
| | 90-percentile Value | 86 | 51 | 40 |
| | Maximum 1-hour Value | 116 | 67 | 46 |
| | Maximum 24-hour Value | 45 | 34 | 28 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |
| LIVERPOOL | | | | |
| Rose St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 97 | 97 | 99 |
| | Average | 26 | 16 | 17 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 56 | 31 | 26 |
| | 90-percentile Value | 88 | 53 | 35 |
| | Maximum 1-hour Value | 128 | 59 | 41 |
| | Maximum 24-hour Value | 44 | 32 | 24 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |
| MACARTHUR | | | | |
| UWS Campbelltown campus | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 99 | 98 | 89 |
| | Average | 21 | 14 | 16 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 40 | 27 | 25 |
| | 90-percentile Value | 67 | 49 | 36 |
| | Maximum 1-hour Value | 108 | 51 | 40 |
| | Maximum 24-hour Value | 39 | 30 | 22 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |

*** Data not available

2007 Data

TABLE 4.2 (Cont'd)

PARTICULATE MATTER: BY TAPERED ELEMENT

OSCILLATING MICROBALANCE (TEOM-PM₁₀)

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

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:

24-hour average = 50 µg/m³

| MONITORING SITE | OCT | NOV | DEC |
|--|-----|-----|-----|
| South West Sydney region (Cont'd) | | | |
| OAKDALE | | | |
| Ridge Rd | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 92 | 94 | 94 |
| Average | 19 | 13 | 15 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 44 | 23 | 27 |
| 90-percentile Value | 70 | 45 | 38 |
| Maximum 1-hour Value | 108 | 54 | 99 |
| Maximum 24-hour Value | 39 | 30 | 33 |
| NEPM STANDARD LEVEL: | | | |
| No. Days Above Level | 0 | 0 | 0 |
| Illawarra region | | | |
| ALBION PARK SOUTH | | | |
| Hughes Dr | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 94 | 96 | 97 |
| Average | 23 | 17 | 18 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 49 | 32 | 34 |
| 90-percentile Value | 87 | 52 | 54 |
| Maximum 1-hour Value | 91 | 88 | 63 |
| Maximum 24-hour Value | 47 | 37 | 34 |
| NEPM STANDARD LEVEL: | | | |
| No. Days Above Level | 0 | 0 | 0 |
| KEMBLA GRANGE | | | |
| Kembla Grange Racecourse | | | |
| Princes Hwy | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 94 | 97 | 99 |
| Average | 28 | 18 | 19 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 64 | 33 | 34 |
| 90-percentile Value | 104 | 53 | 54 |
| Maximum 1-hour Value | 141 | 69 | 61 |
| Maximum 24-hour Value | 60 | 36 | 35 |
| NEPM STANDARD LEVEL: | | | |
| No. Days Above Level | 1 | 0 | 0 |
| WOLLONGONG | | | |
| Gipps St | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 94 | 96 | 99 |
| Average | 27 | 18 | 21 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 62 | 36 | 40 |
| 90-percentile Value | 134 | 49 | 60 |
| Maximum 1-hour Value | 152 | 107 | 69 |
| Maximum 24-hour Value | 59 | 34 | 41 |
| NEPM STANDARD LEVEL: | | | |
| No. Days Above Level | 1 | 0 | 0 |

*** Data not available

2007 Data

TABLE 4.2 (Cont'd)

PARTICULATE MATTER: BY TAPERED ELEMENT

OSCILLATING MICROBALANCE (TEOM-PM₁₀)

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

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:

24-hour average = 50 µg/m³

| MONITORING SITE | | OCT | NOV | DEC |
|----------------------------------|-----------------------|------------|------------|------------|
| Lower Hunter region | | | | |
| BERESFIELD | | | | |
| Francis Greenway | | | | |
| High School | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 98 | 100 | 84 |
| | Average | 31 | 16 | 17 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 75 | 40 | 29 |
| | 90-percentile Value | 142 | 80 | 45 |
| | Maximum 1-hour Value | 169 | 105 | 53 |
| | Maximum 24-hour Value | 54 | 38 | 28 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 1 | 0 | 0 |
| NEWCASTLE | | | | |
| Athletics Field | | | | |
| Smith St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | *** | *** | 61 |
| | Average | *** | *** | 22 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | *** | *** | 36 |
| | 90-percentile Value | *** | *** | 54 |
| | Maximum 1-hour Value | *** | *** | 75 |
| | Maximum 24-hour Value | *** | *** | 32 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | *** | *** | 0 |
| WALLSEND | | | | |
| Swimming Pool | | | | |
| Frances St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 96 | 99 | 99 |
| | Average | 25 | 14 | 15 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 55 | 25 | 31 |
| | 90-percentile Value | 107 | 37 | 40 |
| | Maximum 1-hour Value | 163 | 40 | 127 |
| | Maximum 24-hour Value | 45 | 26 | 24 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |
| Central Tablelands region | | | | |
| BATHURST | | | | |
| Wastewater Treatment Plant | | | | |
| Off Morrisset St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 94 | 54 | 95 |
| | Average | 28 | 13 | 12 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 119 | 25 | 24 |
| | 90-percentile Value | 89 | 47 | 33 |
| | Maximum 1-hour Value | 2141 | 52 | 49 |
| | Maximum 24-hour Value | 164 | 21 | 21 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 1 | 0 | 0 |

*** Data not available

TABLE 4.2 (Cont'd)

PARTICULATE MATTER: BY TAPERED ELEMENT

OSCILLATING MICROBALANCE (TEOM-PM₁₀)

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

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:

24-hour average = 50 µg/m³

| MONITORING SITE | | OCT | NOV | DEC |
|---------------------------------|-----------------------|------------|------------|------------|
| South West Slopes region | | | | |
| ALBURY | | | | |
| Jelbart Park | | | | |
| Cnr Kaylock Rd & Cambourne St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 95 | 92 | 93 |
| | Average | 20 | 14 | 15 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 39 | 33 | 31 |
| | 90-percentile Value | 61 | 57 | 46 |
| | Maximum 1-hour Value | 68 | 170 | 61 |
| | Maximum 24-hour Value | 36 | 30 | 28 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |
| WAGGA WAGGA | | | | |
| Cnr Morgan & Murray Sts | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 95 | 92 | 96 |
| | Average | 33 | 19 | 19 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 84 | 53 | 48 |
| | 90-percentile Value | 171 | 98 | 94 |
| | Maximum 1-hour Value | 186 | 135 | 153 |
| | Maximum 24-hour Value | 68 | 51 | 36 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 4 | 1 | 0 |
| North West Slopes region | | | | |
| TAMWORTH | | | | |
| Hyman Park | | | | |
| Off Robert St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 26 | 28 | 96 |
| | Average | 32 | 9 | 12 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 64 | 16 | 22 |
| | 90-percentile Value | 96 | 21 | 31 |
| | Maximum 1-hour Value | 97 | 22 | 47 |
| | Maximum 24-hour Value | 49 | 13 | 26 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Days Above Level | 0 | 0 | 0 |

*** Data not available

2007 Data

TABLE 4.3
PARTICULATE MATTER: BY TAPERED ELEMENT
OSCILLATING MICROBALANCE (TEOM-PM_{2.5})
 Micrograms per cubic metre at 0° Celsius (µg/m³ at 0°C)
 1-HOUR CLOCK AVERAGE

| MONITORING SITE | | OCT | NOV | DEC |
|-----------------------------------|----------------------|-----|-----|-----|
| Central East Sydney region | | | | |
| EARLWOOD | | | | |
| Beaman Park | | | | |
| Riverview Rd | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 86 | 99 | 99 |
| | Average | 11 | 8 | 8 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 19 | 13 | 14 |
| | 90-percentile Value | 27 | 19 | 22 |
| | Maximum 1-hour Value | 31 | 21 | 44 |
| South West Sydney region | | | | |
| LIVERPOOL | | | | |
| Rose St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 92 | 98 | 99 |
| | Average | 12 | 9 | 9 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 22 | 16 | 14 |
| | 90-percentile Value | 32 | 25 | 21 |
| | Maximum 1-hour Value | 43 | 28 | 23 |
| Illawarra region | | | | |
| WOLLONGONG | | | | |
| Gipps St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 94 | 93 | 99 |
| | Average | 12 | 8 | 9 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 25 | 17 | 18 |
| | 90-percentile Value | 46 | 23 | 23 |
| | Maximum 1-hour Value | 69 | 46 | 52 |
| Lower Hunter region | | | | |
| BERESFIELD | | | | |
| Francis Greenway | | | | |
| High School | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 94 | 99 | 68 |
| | Average | 13 | 8 | 8 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 27 | 14 | 13 |
| | 90-percentile Value | 47 | 23 | 22 |
| | Maximum 1-hour Value | 71 | 29 | 25 |
| WALLSEND | | | | |
| Swimming Pool | | | | |
| Frances St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 81 | 98 | 99 |
| | Average | 12 | 8 | 8 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 23 | 14 | 15 |
| | 90-percentile Value | 44 | 21 | 22 |
| | Maximum 1-hour Value | 47 | 22 | 25 |

*** Data not available

2007 Data

TABLE 5

SULFUR DIOXIDE (SO₂)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:

1-hour average = 20 pphm

24-hour average = 8 pphm

| MONITORING SITE | | OCT | NOV | DEC |
|-----------------------------------|------------------------|-------|-----------|-------|
| Central East Sydney region | | | | |
| CHULLORA | | | | |
| Southern Sydney TAFE | | | | |
| Worth St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 48 | 95 | 88 |
| | Average | 0.0 | 0.0 | 0.1 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 0.1 | 0.2 | 0.2 |
| | 90-percentile Value | 0.5 | 0.6 | 0.7 |
| | Maximum 1-hour Value | 0.9 | 0.9 | 1.3 |
| | Maximum 24-hour Value | 0.2 | 0.2 | 0.3 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Events Above Level | 0 (0) | 0 (0) | 0 (0) |
| LINDFIELD | | | | |
| Bradfield Rd | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 92 | 87 | 82 |
| | Average | 0.2 | 0.2 | 0.0 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 0.5 | 0.5 | 0.2 |
| | 90-percentile Value | 0.9 | 1.1 | 0.5 |
| | Maximum 1-hour Value | 2.0 | 1.7 | 0.9 |
| | Maximum 24-hour Value | 0.4 | 0.4 | 0.2 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Events Above Level | 0 (0) | 0 (0) | 0 (0) |
| RANDWICK | | | | |
| Randwick Barracks | | | | |
| Cnr Avoca & Bundock Sts | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 44 | *** | 82 |
| | Average | 0.1 | *** | 0.1 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 0.3 | *** | 0.3 |
| | 90-percentile Value | 0.6 | *** | 0.9 |
| | Maximum 1-hour Value | 0.7 | *** | 1.0 |
| | Maximum 24-hour Value | 0.1 | *** | 0.2 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Events Above Level | 0 (0) | *** (***) | 0 (0) |
| North West Sydney region | | | | |
| PROSPECT | | | | |
| William Lawson Park | | | | |
| Myrtle St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 70 | 54 | 79 |
| | Average | 0.0 | 0.0 | 0.0 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 0.2 | 0.1 | 0.2 |
| | 90-percentile Value | 0.6 | 0.5 | 0.6 |
| | Maximum 1-hour Value | 1.7 | 0.9 | 0.8 |
| | 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

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

2007 Data

TABLE 5 (Cont'd)

SULFUR DIOXIDE (SO₂)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:

1-hour average = 20 pphm

24-hour average = 8 pphm

| MONITORING SITE | | OCT | NOV | DEC |
|--|------------------------|------------|------------|------------|
| North West Sydney region (Cont'd) | | | | |
| RICHMOND | | | | |
| University Of Western Sydney | | | | |
| Vines Rd | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 91 | 94 | 92 |
| | Average | 0.0 | 0.0 | 0.0 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 0.1 | 0.1 | 0.1 |
| | 90-percentile Value | 0.5 | 0.4 | 0.4 |
| | Maximum 1-hour Value | 0.6 | 0.5 | 0.5 |
| | Maximum 24-hour Value | 0.1 | 0.2 | 0.1 |
| | 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 | 90 | 77 | 90 |
| | Average | 0.0 | 0.0 | 0.1 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 0.2 | 0.2 | 0.2 |
| | 90-percentile Value | 0.8 | 0.5 | 0.7 |
| | Maximum 1-hour Value | 1.6 | 0.6 | 0.9 |
| | Maximum 24-hour Value | 0.2 | 0.2 | 0.3 |
| | 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 | 91 | 95 | 74 |
| | Average | 0.1 | 0.1 | 0.0 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 0.2 | 0.2 | 0.1 |
| | 90-percentile Value | 0.5 | 0.4 | 0.3 |
| | Maximum 1-hour Value | 1.1 | 0.6 | 0.4 |
| | Maximum 24-hour Value | 0.2 | 0.2 | 0.1 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Events Above Level | 0 (0) | 0 (0) | 0 (0) |
| BRINGELLY | | | | |
| Ramsay Rd | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 58 | 85 | 86 |
| | Average | 0.0 | 0.1 | 0.1 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 0.1 | 0.2 | 0.2 |
| | 90-percentile Value | 0.3 | 0.5 | 0.3 |
| | Maximum 1-hour Value | 0.5 | 0.6 | 0.5 |
| | Maximum 24-hour Value | 0.1 | 0.2 | 0.2 |
| | 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

2007 Data

TABLE 5 (Cont'd)

SULFUR DIOXIDE (SO₂)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:

1-hour average = 20 pphm

24-hour average = 8 pphm

| MONITORING SITE | OCT | NOV | DEC |
|--|-----------|-----------|-------|
| South West Sydney region (Cont'd) | | | |
| MACARTHUR | | | |
| UWS Campbelltown campus | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 94 | 95 | 92 |
| Average | 0.1 | 0.1 | 0.2 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 0.3 | 0.3 | 0.3 |
| 90-percentile Value | 0.6 | 0.6 | 0.7 |
| Maximum 1-hour Value | 0.9 | 0.7 | 1.0 |
| Maximum 24-hour Value | 0.3 | 0.3 | 0.3 |
| NEPM STANDARD LEVEL: | | | |
| No. Events Above Level | 0 (0) | 0 (0) | 0 (0) |
| Illawarra region | | | |
| ALBION PARK SOUTH | | | |
| Hughes Dr | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 65 | 41 | 62 |
| Average | 0.2 | 0.2 | 0.2 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 0.9 | 0.6 | 0.6 |
| 90-percentile Value | 3.1 | 1.5 | 1.5 |
| Maximum 1-hour Value | 3.4 | 2.2 | 1.9 |
| Maximum 24-hour Value | 1.1 | 0.3 | 0.6 |
| NEPM STANDARD LEVEL: | | | |
| No. Events Above Level | 0 (0) | 0 (0) | 0 (0) |
| WOLLONGONG | | | |
| Gipps St | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 34 | 29 | 79 |
| Average | 0.1 | 0.2 | 0.1 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 0.4 | 0.4 | 0.5 |
| 90-percentile Value | 1.1 | 1.2 | 1.1 |
| Maximum 1-hour Value | 2.3 | 2.2 | 1.8 |
| Maximum 24-hour Value | 0.2 | 0.3 | 0.3 |
| NEPM STANDARD LEVEL: | | | |
| No. Events Above Level | 0 (0) | 0 (0) | 0 (0) |
| Lower Hunter region | | | |
| BERESFIELD | | | |
| Francis Greenway | | | |
| High School | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | *** | *** | 91 |
| Average | *** | *** | 0.2 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | *** | *** | 0.7 |
| 90-percentile Value | *** | *** | 1.3 |
| Maximum 1-hour Value | *** | *** | 1.7 |
| Maximum 24-hour Value | *** | *** | 0.5 |
| NEPM STANDARD LEVEL: | | | |
| No. Events Above Level | *** (***) | *** (***) | 0 (0) |

*** Data not available

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

2007 Data

TABLE 5 (Cont'd)

SULFUR DIOXIDE (SO₂)

Parts per hundred million (pphm)

1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL:

1-hour average = 20 pphm

24-hour average = 8 pphm

| MONITORING SITE | | OCT | NOV | DEC |
|-------------------------------------|------------------------|-----------|-----------|-------|
| Lower Hunter region (Cont'd) | | | | |
| NEWCASTLE | | | | |
| Athletics Field | | | | |
| Smith St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | *** | *** | 43 |
| | Average | *** | *** | 0.4 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | *** | *** | 0.8 |
| | 90-percentile Value | *** | *** | 2.4 |
| | Maximum 1-hour Value | *** | *** | 2.5 |
| | Maximum 24-hour Value | *** | *** | 1.2 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Events Above Level | *** (***) | *** (***) | 0 (0) |
| WALLSEND | | | | |
| Swimming Pool | | | | |
| Frances St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 80 | 37 | 67 |
| | Average | 0.1 | 0.1 | 0.1 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 0.6 | 0.4 | 0.4 |
| | 90-percentile Value | 1.6 | 1.3 | 1.1 |
| | Maximum 1-hour Value | 2.3 | 1.9 | 2.1 |
| | Maximum 24-hour Value | 0.4 | 0.2 | 0.4 |
| | NEPM STANDARD LEVEL: | | | |
| | No. Events Above Level | 0 (0) | 0 (0) | 0 (0) |

*** Data not available

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

TABLE 6

CARBON MONOXIDE (CO)

NEPM STANDARD LEVEL: 8-hour average = 9 ppm

Parts per million (ppm)

1-HOUR CLOCK AVERAGE

| MONITORING SITE | | OCT | NOV | DEC |
|-----------------------------------|-----------------------|-----|-----|-----|
| Central East Sydney region | | | | |
| CHULLORA | | | | |
| Southern Sydney TAFE | | | | |
| Worth St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 95 | 95 | 93 |
| | Average | 0.1 | 0.1 | 0.1 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 0.5 | 0.3 | 0.3 |
| | 90-percentile Value | 0.8 | 0.6 | 0.5 |
| | Maximum 1-hour Value | 1.0 | 0.9 | 0.7 |
| | Maximum 8-hour Value | 0.6 | 0.5 | 0.5 |
| | NEPM STANDARD LEVEL: | | | |
| | No.Events Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |
| ROZELLE | | | | |
| Rozelle Hospital | | | | |
| Balmain Rd | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 91 | 89 | 91 |
| | Average | 0.1 | 0.1 | 0.1 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 0.3 | 0.3 | 0.2 |
| | 90-percentile Value | 0.5 | 0.5 | 0.5 |
| | Maximum 1-hour Value | 1.0 | 0.7 | 0.5 |
| | Maximum 8-hour Value | 0.8 | 0.4 | 0.3 |
| | NEPM STANDARD LEVEL: | | | |
| | No.Events Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |
| North West Sydney region | | | | |
| PROSPECT | | | | |
| William Lawson Park | | | | |
| Myrtle St | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 90 | 95 | 90 |
| | Average | 0.1 | 0.1 | 0.1 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 0.5 | 0.3 | 0.2 |
| | 90-percentile Value | 0.8 | 0.6 | 0.5 |
| | Maximum 1-hour Value | 1.4 | 0.9 | 0.7 |
| | Maximum 8-hour Value | 0.6 | 0.4 | 0.4 |
| | NEPM STANDARD LEVEL: | | | |
| | No.Events Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |
| South West Sydney region | | | | |
| LIVERPOOL | | | | |
| Rose St | | | | |
| | ALL HOURS IN MONTH: | | | |
| | % Sampling Time | 92 | 94 | 82 |
| | Average | 0.1 | 0.1 | 0.2 |
| | DAILY 1-HOUR MAXIMA: | | | |
| | Monthly Average | 0.4 | 0.3 | 0.5 |
| | 90-percentile Value | 0.8 | 0.5 | 0.7 |
| | Maximum 1-hour Value | 1.3 | 0.7 | 0.8 |
| | Maximum 8-hour Value | 0.8 | 0.4 | 0.6 |
| | NEPM STANDARD LEVEL: | | | |
| | No.Events Above Level | 0 | 0 | 0 |
| | No. Days Above Level | 0 | 0 | 0 |

*** Data not available

2007 Data

TABLE 6 (Cont'd)
CARBON MONOXIDE (CO)
 Parts per million (ppm)
 1-HOUR CLOCK AVERAGE

NEPM STANDARD LEVEL: 8-hour average = 9 ppm

| MONITORING SITE | OCT | NOV | DEC |
|--|-----|-----|-----|
| South West Sydney region (Cont'd) | | | |
| MACARTHUR | | | |
| UWS Campbelltown campus | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | 95 | 93 | 92 |
| Average | 0.2 | 0.3 | 0.3 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 0.4 | 0.5 | 0.5 |
| 90-percentile Value | 0.6 | 0.7 | 0.7 |
| Maximum 1-hour Value | 0.6 | 1.0 | 0.9 |
| Maximum 8-hour Value | 0.5 | 0.7 | 0.7 |
| 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 | 89 | 95 | 93 |
| Average | 0.1 | 0.1 | 0.2 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | 0.6 | 0.5 | 0.5 |
| 90-percentile Value | 1.2 | 1.2 | 1.1 |
| Maximum 1-hour Value | 1.4 | 2.0 | 1.5 |
| Maximum 8-hour Value | 0.6 | 1.1 | 0.6 |
| NEPM STANDARD LEVEL: | | | |
| No.Events Above Level | 0 | 0 | 0 |
| No. Days Above Level | 0 | 0 | 0 |
| Lower Hunter region | | | |
| NEWCASTLE | | | |
| Athletics Field | | | |
| Smith St | | | |
| ALL HOURS IN MONTH: | | | |
| % Sampling Time | *** | *** | 44 |
| Average | *** | *** | 0.2 |
| DAILY 1-HOUR MAXIMA: | | | |
| Monthly Average | *** | *** | 0.3 |
| 90-percentile Value | *** | *** | 0.9 |
| Maximum 1-hour Value | *** | *** | 1.0 |
| Maximum 8-hour Value | *** | *** | 0.8 |
| NEPM STANDARD LEVEL: | | | |
| No.Events Above Level | *** | *** | 0 |
| No. Days Above Level | *** | *** | 0 |

*** Data not available

2007 Data

TABLE 7

REGIONAL POLLUTION INDEX (RPI)

Sydney region

| RPI | Low 0 - 24 | | | | | | Medium 25 - 49 | | | | | | High > 49 | | | | | |
|-----|-------------|----------------|----|-----|----|-----|----------------|---------------|----|-----|----|-----|-----------|---------------|----|-----|----|----|
| | REGIONS | | | | | | | | | | | | | | | | | |
| | D A Y | Eastern Sydney | | | | | | South Western | | | | | | North Western | | | | |
| OCT | | NOV | | DEC | | OCT | | NOV | | DEC | | OCT | | NOV | | DEC | | |
| | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm |
| 1 | 20 | 40 | 16 | 17 | 13 | 14 | 22 | 24 | 22 | 27 | 14 | 13 | 20 | 24 | 21 | 26 | 16 | 14 |
| 2 | 24 | 24 | 16 | 24 | 13 | 16 | 24 | 24 | 27 | 22 | 14 | 24 | 24 | 27 | 25 | 17 | 16 | 21 |
| 3 | 31 | 23 | 17 | 16 | 14 | 18 | 22 | 23 | 23 | 15 | 24 | 22 | 26 | 22 | 18 | 14 | 21 | 18 |
| 4 | 23 | 22 | 22 | 22 | 14 | 28 | 23 | 18 | 25 | 17 | 26 | 33 | 21 | 20 | 30 | 18 | 19 | 27 |
| 5 | 23 | 24 | 18 | 14 | 31 | 17 | 20 | 22 | 17 | 13 | 35 | 15 | 21 | 28 | 18 | 14 | 29 | 28 |
| 6 | 23 | 24 | 33 | 12 | 16 | 17 | 24 | 20 | 13 | 12 | 14 | 24 | 30 | 23 | 13 | 12 | 15 | 21 |
| 7 | 17 | 19 | 12 | 11 | 15 | 16 | 16 | 18 | 12 | 11 | 26 | 23 | 18 | 21 | 11 | 11 | 20 | 21 |
| 8 | 18 | 17 | 12 | 12 | 17 | 13 | 23 | 19 | 10 | 12 | 18 | 15 | 21 | 22 | 10 | 12 | 18 | 17 |
| 9 | 22 | 17 | 12 | 12 | 16 | 29 | 18 | 20 | 11 | 11 | 22 | 34 | 21 | 22 | 11 | 10 | 20 | 29 |
| 10 | 17 | 17 | 13 | 13 | 22 | 20 | 17 | 21 | 11 | 16 | 29 | 23 | 18 | 20 | 8 | 15 | 30 | 20 |
| 11 | 17 | 29 | 13 | 17 | 10 | 11 | 20 | 28 | 16 | 25 | 13 | 10 | 20 | 28 | 15 | 25 | 9 | 9 |
| 12 | 29 | 17 | 32 | 21 | 10 | 9 | 26 | 27 | 25 | 25 | 10 | 9 | 28 | 20 | 27 | 25 | 7 | 9 |
| 13 | 24 | 17 | 17 | 19 | 10 | 11 | 18 | 17 | 29 | 30 | 9 | 10 | 19 | 19 | 26 | 31 | 9 | 9 |
| 14 | 16 | 23 | 17 | 31 | 11 | 14 | 17 | 22 | 36 | 35 | 10 | 17 | 20 | 20 | 32 | 34 | 10 | 21 |
| 15 | 22 | 26 | 24 | 21 | 12 | 29 | 22 | 28 | 33 | 37 | 21 | 30 | 22 | 32 | 29 | 36 | 24 | 33 |
| 16 | 30 | 18 | 21 | 30 | 27 | 18 | 25 | 19 | 44 | 36 | 33 | 20 | 29 | 18 | 36 | 32 | 31 | 20 |
| 17 | 17 | 14 | 19 | 26 | 17 | 11 | 20 | 15 | 47 | 38 | 22 | 12 | 20 | 16 | 31 | 32 | 21 | 14 |
| 18 | 15 | 16 | 21 | 17 | 10 | 11 | 15 | 20 | 35 | 34 | 11 | 12 | 16 | 19 | 32 | 33 | 13 | 14 |
| 19 | 27 | 30 | 15 | 20 | 10 | 12 | 20 | 26 | 38 | 32 | 13 | 16 | 19 | 27 | 34 | 31 | 13 | 16 |
| 20 | 127 | 20 | 16 | 14 | 12 | 10 | 26 | 45 | 38 | 29 | 19 | 14 | 29 | 63 | 35 | 29 | 18 | 16 |
| 21 | 18 | 28 | 11 | 18 | 11 | 29 | 36 | 31 | 34 | 30 | 19 | 39 | 25 | 40 | 31 | 29 | 17 | 30 |
| 22 | 27 | 44 | 17 | 14 | 27 | 12 | 31 | 28 | 29 | 26 | 36 | 15 | 35 | 34 | 25 | 19 | 30 | 15 |
| 23 | 40 | 22 | 11 | 11 | 12 | 12 | 40 | 32 | 17 | 11 | 14 | 17 | 36 | 34 | 18 | 12 | 15 | 22 |
| 24 | 20 | 18 | 10 | 12 | 11 | 18 | 33 | 21 | 11 | 12 | 13 | 20 | 23 | 19 | 12 | 14 | 22 | 20 |
| 25 | 17 | 24 | 12 | 16 | 15 | 10 | 19 | 28 | 14 | 25 | 23 | 10 | 18 | 30 | 14 | 27 | 20 | 10 |
| 26 | 20 | 24 | 13 | 14 | 11 | 15 | 25 | 27 | 27 | 17 | 11 | 17 | 21 | 27 | 23 | 26 | 10 | 15 |
| 27 | 26 | 32 | 11 | 12 | 13 | 16 | 25 | 32 | 16 | 12 | 20 | 19 | 29 | 30 | 23 | 13 | 19 | 18 |
| 28 | 32 | 48 | 10 | 20 | 17 | 23 | 35 | 32 | 11 | 22 | 21 | 29 | 28 | 33 | 17 | 19 | 21 | 28 |
| 29 | 28 | 24 | 18 | 10 | 15 | 20 | 25 | 19 | 28 | 22 | 35 | 27 | 24 | 21 | 22 | 19 | 26 | 27 |
| 30 | 26 | 26 | 10 | 15 | 17 | 14 | 21 | 29 | 15 | 17 | 34 | 28 | 21 | 28 | 16 | 17 | 29 | 28 |
| 31 | 29 | 20 | | | 14 | 15 | 30 | 28 | | | 31 | 26 | 28 | 29 | | | 22 | 18 |

| | PERCENTAGE FREQUENCY | | | | | | | | | | | | | | | | | |
|-------------|----------------------|----|-----|----|-----|----|---------------|----|-----|----|-----|----|---------------|----|-----|----|-----|----|
| | Eastern Sydney | | | | | | South Western | | | | | | North Western | | | | | |
| | OCT | | NOV | | DEC | | OCT | | NOV | | DEC | | OCT | | NOV | | DEC | |
| | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm |
| LOW | 61 | 71 | 93 | 90 | 90 | 87 | 61 | 55 | 50 | 53 | 71 | 74 | 65 | 52 | 57 | 53 | 81 | 74 |
| MED | 35 | 29 | 7 | 10 | 10 | 13 | 39 | 45 | 50 | 47 | 29 | 26 | 35 | 45 | 43 | 47 | 19 | 26 |
| HIGH | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 |

2007 Data

TABLE 7 (Cont'd)
REGIONAL POLLUTION INDEX (RPI)
 Lower Hunter region

| RPI | Low 0 - 24 | | | | | | Medium 25 - 49 | | | | | | High > 49 | | | | | |
|-------------|------------|----|----------|----|------------|----|----------------|----|----------|----|------------|----|-----------|----|----------|----|------------|----|
| | Newcastle | | Wallsend | | Beresfield | | Newcastle | | Wallsend | | Beresfield | | Newcastle | | Wallsend | | Beresfield | |
| D A Y | OCT | | NOV | | DEC | | OCT | | NOV | | DEC | | OCT | | NOV | | DEC | |
| | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm |
| 1 | | | | | | | 4 | 6 | 16 | 17 | 10 | 13 | 17 | 24 | 16 | 16 | 9 | 5 |
| 2 | | | | | | | 12 | 27 | 16 | 15 | 13 | 13 | 24 | 26 | 15 | 14 | 6 | 2 |
| 3 | | | | | | | 49 | 42 | 15 | 16 | 12 | 19 | 29 | 35 | 16 | 18 | 6 | 5 |
| 4 | | | | | | | 22 | 20 | 16 | 18 | 15 | 22 | 20 | 18 | 15 | 17 | 6 | 5 |
| 5 | | | | | | | 49 | 19 | 18 | 13 | 21 | 23 | 20 | 18 | 17 | 12 | 7 | 5 |
| 6 | | | | | | | 26 | 21 | 13 | 12 | 16 | 13 | 23 | 21 | 12 | 12 | 5 | 7 |
| 7 | | | | | | | 20 | 18 | 12 | 11 | 11 | 15 | 21 | 18 | 10 | 10 | 6 | 5 |
| 8 | | | | | | | 17 | 18 | 10 | 12 | 9 | 22 | 14 | 16 | 8 | 11 | 5 | 10 |
| 9 | | | | | | | 16 | 19 | 11 | 11 | 18 | 18 | 16 | 19 | 10 | 11 | 9 | 8 |
| 10 | | | | | | | 5 | 15 | 9 | 14 | 16 | 18 | 17 | 19 | 10 | 14 | 8 | 14 |
| 11 | | | | | | | 15 | 26 | 14 | 13 | 11 | 10 | 17 | 27 | 13 | 13 | 8 | 5 |
| 12 | | | | | 8 | 5 | 23 | 24 | 13 | 15 | 11 | 10 | 24 | 22 | 13 | 14 | 5 | 3 |
| 13 | | | | | 2 | 5 | 15 | 17 | 13 | 17 | 9 | 10 | 13 | 17 | 13 | 17 | 7 | 9 |
| 14 | | | | | 6 | 12 | 17 | 19 | 15 | 22 | 8 | 14 | 17 | 15 | 16 | 26 | 6 | 14 |
| 15 | | | | | 11 | 14 | 19 | 18 | 20 | 20 | 11 | 27 | 17 | 19 | 29 | 17 | 10 | 20 |
| 16 | | | | | 20 | 19 | 21 | 19 | 21 | 21 | 25 | 18 | 18 | 18 | 17 | 21 | 26 | 16 |
| 17 | | | | | 16 | 12 | 17 | 14 | 22 | 19 | 15 | 13 | 17 | 14 | 19 | 17 | 11 | 12 |
| 18 | | | | | 11 | 10 | 15 | 15 | 15 | 23 | 11 | 11 | 12 | 16 | 15 | 20 | 9 | 9 |
| 19 | | | | | | | 13 | 25 | 27 | 16 | 10 | 10 | 15 | 24 | 23 | 17 | 8 | 9 |
| 20 | | | | | 5 | 5 | 26 | 16 | 15 | 13 | 9 | 13 | 25 | 16 | 16 | 14 | 8 | 10 |
| 21 | | | | | 7 | 8 | 15 | 24 | 10 | 22 | 9 | 22 | 13 | 23 | 12 | 20 | 9 | 18 |
| 22 | | | | | 8 | 7 | 19 | 26 | 18 | 23 | 16 | 10 | 21 | 26 | 22 | 22 | 13 | 10 |
| 23 | | | | | 8 | 6 | 22 | 21 | 24 | 19 | 13 | 13 | 27 | 20 | 23 | 17 | 11 | 11 |
| 24 | | | | | 5 | 4 | 21 | 17 | 14 | 12 | 11 | 16 | 17 | 19 | 13 | 11 | 9 | 12 |
| 25 | | | | | 5 | 6 | 15 | 21 | 10 | 14 | 13 | 10 | 14 | 13 | 9 | 11 | 11 | 8 |
| 26 | | | | | 5 | 4 | 23 | 19 | 11 | 11 | 10 | 11 | 17 | 21 | 11 | 11 | 8 | 10 |
| 27 | | | | | 4 | 5 | 18 | 30 | 12 | 15 | 10 | 13 | 21 | 28 | 12 | 14 | 10 | 15 |
| 28 | | | | | 7 | 8 | 33 | 30 | 15 | 16 | 16 | 16 | 31 | 30 | 14 | 8 | 12 | 12 |
| 29 | | | | | 8 | 10 | 28 | 22 | 12 | 12 | 10 | 11 | 27 | 22 | 13 | 12 | 9 | 10 |
| 30 | | | | | 8 | 9 | 22 | 22 | 11 | 8 | 9 | 9 | 21 | 24 | 7 | 5 | 8 | 8 |
| 31 | | | | | 10 | 10 | 20 | 19 | | | 10 | 11 | 21 | 18 | | | 7 | 9 |

| | PERCENTAGE FREQUENCY | | | | | | | | | | | | | | | | | |
|------|----------------------|----|-----|----|-----|-----|----------|----|-----|-----|-----|----|------------|----|-----|----|-----|-----|
| | Newcastle | | | | | | Wallsend | | | | | | Beresfield | | | | | |
| | OCT | | NOV | | DEC | | OCT | | NOV | | DEC | | OCT | | NOV | | DEC | |
| | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm |
| LOW | 0 | 0 | 0 | 0 | 100 | 100 | 81 | 77 | 97 | 100 | 97 | 97 | 84 | 81 | 97 | 97 | 97 | 100 |
| MED | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 23 | 3 | 0 | 3 | 3 | 16 | 19 | 3 | 3 | 3 | 0 |
| HIGH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

2007 Data

TABLE 7 (Cont'd)
REGIONAL POLLUTION INDEX (RPI)
 Illawarra region

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

| D A Y | Albion Park | | | | | | REGIONS Wollongong | | | | | |
|-------------|-------------|----|-----|----|-----|----|-----------------------|----|-----|----|-----|----|
| | OCT | | NOV | | DEC | | OCT | | NOV | | DEC | |
| | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm |
| 1 | 19 | 22 | 16 | 17 | 14 | 13 | 20 | 22 | 15 | 16 | 13 | 12 |
| 2 | 22 | 18 | 16 | 22 | 13 | 13 | 22 | 18 | 15 | 21 | 13 | 13 |
| 3 | 18 | 23 | 19 | 16 | 11 | 13 | 17 | 24 | 19 | 16 | 11 | 17 |
| 4 | 22 | 18 | 16 | 17 | 16 | 25 | 21 | 18 | 16 | 17 | 17 | 29 |
| 5 | 15 | 19 | 17 | 13 | 28 | 13 | 18 | 23 | 17 | 13 | 31 | 13 |
| 6 | 20 | 19 | 13 | 12 | 11 | 17 | 25 | 20 | 12 | 11 | 11 | 18 |
| 7 | 15 | 16 | 11 | 10 | 23 | 15 | 14 | 17 | 11 | 11 | 16 | 17 |
| 8 | 14 | 15 | 10 | 11 | 13 | 10 | 14 | 15 | 10 | 11 | 15 | 10 |
| 9 | 15 | 16 | 11 | 12 | 17 | 25 | 15 | 15 | 12 | 12 | 20 | 24 |
| 10 | 16 | 16 | 12 | 13 | 25 | 14 | 15 | 16 | 11 | 13 | 25 | 16 |
| 11 | 16 | 20 | 13 | 14 | 11 | 10 | 15 | 24 | 13 | 15 | 10 | 9 |
| 12 | 22 | 15 | 13 | 20 | 9 | 9 | 25 | 14 | 14 | 16 | 8 | 8 |
| 13 | 15 | 15 | 18 | 19 | 9 | 10 | 13 | 15 | 20 | 17 | 8 | 9 |
| 14 | 15 | 19 | 15 | 19 | 10 | 13 | 15 | 20 | 15 | 24 | 10 | 12 |
| 15 | 22 | 19 | 26 | 17 | 12 | 19 | 25 | 23 | 24 | 18 | 11 | 22 |
| 16 | 18 | 17 | 16 | 29 | 21 | 16 | 22 | 18 | 16 | 28 | 23 | 19 |
| 17 | 15 | 14 | 26 | 30 | 12 | 10 | 15 | 13 | 34 | 24 | 12 | 10 |
| 18 | 14 | 16 | 17 | 20 | 9 | 12 | 13 | 16 | 21 | 16 | 8 | 11 |
| 19 | 14 | 21 | 14 | 21 | 10 | 11 | 17 | 19 | 13 | 18 | 10 | 15 |
| 20 | 23 | 16 | 12 | 12 | 10 | 13 | 23 | 16 | 13 | 13 | 14 | 12 |
| 21 | 15 | 26 | 10 | 15 | 12 | 28 | 17 | 31 | 11 | 14 | 14 | 29 |
| 22 | 18 | 40 | 15 | 11 | 24 | 14 | 26 | 46 | 18 | 14 | 29 | 14 |
| 23 | 40 | 20 | 12 | 11 | 14 | 11 | 44 | 20 | 11 | 10 | 13 | 10 |
| 24 | 19 | 14 | 10 | 12 | 11 | 12 | 18 | 13 | 9 | 11 | 11 | 12 |
| 25 | 14 | 17 | 12 | 15 | 17 | 10 | 20 | 19 | 10 | 14 | 20 | 11 |
| 26 | 52 | 27 | 14 | 11 | 11 | 13 | 29 | 26 | 13 | 13 | 11 | 12 |
| 27 | 20 | 29 | 12 | 12 | 12 | 16 | 19 | 33 | 16 | 12 | 11 | 16 |
| 28 | 30 | 34 | 12 | 14 | 14 | 17 | 33 | 35 | 10 | 13 | 15 | 17 |
| 29 | 23 | 18 | 13 | 15 | 13 | 16 | 28 | 18 | 14 | 16 | 17 | 21 |
| 30 | 20 | 26 | 14 | 13 | 8 | 16 | 20 | 28 | 14 | 13 | 17 | 14 |
| 31 | 26 | 19 | | | 7 | 16 | 26 | 19 | | | 9 | 14 |

| | Albion Park | | | | | | PERCENTAGE FREQUENCY Wollongong | | | | | |
|------|-------------|----|-----|----|-----|----|------------------------------------|----|-----|----|-----|----|
| | OCT | | NOV | | DEC | | OCT | | NOV | | DEC | |
| | am | pm | am | pm | am | pm | am | pm | am | pm | am | pm |
| LOW | 87 | 81 | 93 | 93 | 94 | 90 | 71 | 81 | 97 | 97 | 90 | 94 |
| MED | 10 | 19 | 7 | 7 | 6 | 10 | 29 | 19 | 3 | 3 | 10 | 6 |
| HIGH | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

2007 Data