

PM 2.5 MONITORING ANNUAL SUMMARY

SPRINGFIELD CITY HALL - 2004

24 HOUR AVERAGE CONCENTRATION, $\mu\text{g}/\text{m}^3$, LTP

| DAY | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|-----|------|------|------|------|-----|-----|-----|-----|-----|------|------|------|
| 1 | | | | | | | | 8.4 | | | | |
| 2 | | | | | | 5.0 | | | | | | |
| 3 | | | | 8.9 | 3.7 | | | | | | | |
| 4 | 5.6 | | 2.1 | | | | | | | | | |
| 5 | | | | | | | | | | | 20.8 | 6.0 |
| 6 | | | | | | | | | 5.7 | 5.9 | | |
| 7 | | | | | | | | 3.4 | | | | |
| 8 | | | | | | 3.4 | 6.5 | | | | | |
| 9 | | 11.7 | | 13.2 | | | | | | | | |
| 10 | 13.5 | | 12.5 | | | | | | | | | |
| 11 | | | | | | | | | | | 21.0 | 4.7 |
| 12 | | | | | | | | | 3.8 | 11.6 | | |
| 13 | | | | | | | | 9.0 | | | | |
| 14 | | | | | | 4.6 | 9.0 | | | | | |
| 15 | | 2.9 | | 2.5 | 3.8 | | | | | | | |
| 16 | | | 8.8 | | | | | | | | | |
| 17 | | | | | | | | | | | 11.8 | 15.2 |
| 18 | | | | | | | | | 2.2 | 6.1 | | |
| 19 | | | | | | | | 8.6 | | | | |
| 20 | | | | | | 7.5 | 5.1 | | | | | |
| 21 | | 18.8 | | | 3.1 | | | | | | | |
| 22 | 7.7 | | 10.6 | | | | | | | | | |
| 23 | | | | | | | | | | | 8.8 | 7.4 |
| 24 | | | | | | | | | 8.5 | 7.1 | | |
| 25 | | | | | | | | 2.5 | | | | |
| 26 | | | | | | 3.8 | 7.7 | | | | | |
| 27 | | 2.2 | | 9.9 | 2.4 | | | | | | | |
| 28 | 1.8 | | 8.1 | | | | | | | | | |
| 29 | | | | | | | | | | | 8.3 | 11.2 |
| 30 | | | | | | | | | 9.4 | 11.5 | | |
| 31 | | | | | | | | 7.5 | | | | |

| MONTH | | | | | | | | | | | | |
|-------|-------|-------|--------|-------|-------|--------|-------|--------|--------|--------|--------|--------|
| NCAP | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 6 | 5 | 5 | 5 | 5 |
| %CAP | 80.0% | 80.0% | 100.0% | 80.0% | 80.0% | 100.0% | 80.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| MEAN | 7.1 | 8.9 | 8.4 | 8.6 | 3.2 | 4.8 | 7.0 | 6.5 | 5.9 | 8.4 | 14.1 | 8.9 |
| MAX | 13.5 | 18.8 | 12.5 | 13.2 | 3.8 | 7.5 | 9.0 | 9.0 | 9.4 | 11.6 | 21.0 | 15.2 |

| QUARTER | Q1 | | | Q2 | | | Q3 | | | Q4 | | |
|---------|-------|--|--|-------|--|--|-------|--|--|--------|--|--|
| NCAP | 13 | | | 13 | | | 15 | | | 15 | | |
| %CAP | 86.7% | | | 86.7% | | | 93.8% | | | 100.0% | | |
| MEAN | 8.2 | | | 5.5 | | | 6.5 | | | 10.5 | | |

| ANNUAL | Site Statistics | | | | | | | | | | |
|----------|-----------------|------|------|------|------|-----------------|------|------|------|------|------|
| NCAP | 56 | HIGH | 21.0 | 6th | 13.2 | Year | 2000 | 2001 | 2002 | 2003 | 2004 |
| %NCAP | 91.8% | 2nd | 20.8 | 7th | 12.5 | Annual Mean | | | | | 7.7 |
| YMEAN | 7.7 | 3rd | 18.8 | 8th | 11.8 | Annual High | | | | | 21.0 |
| QYMEAN | 7.7 | 4th | 15.2 | 9th | 11.7 | Annual 98 %-ile | | | | | 21 |
| 98 %-ile | 21 | 5th | 13.5 | 10th | 11.6 | 3 Year 98 %-ile | | | | | |