

## Appendix E - 1-hour TSP Monitoring Results

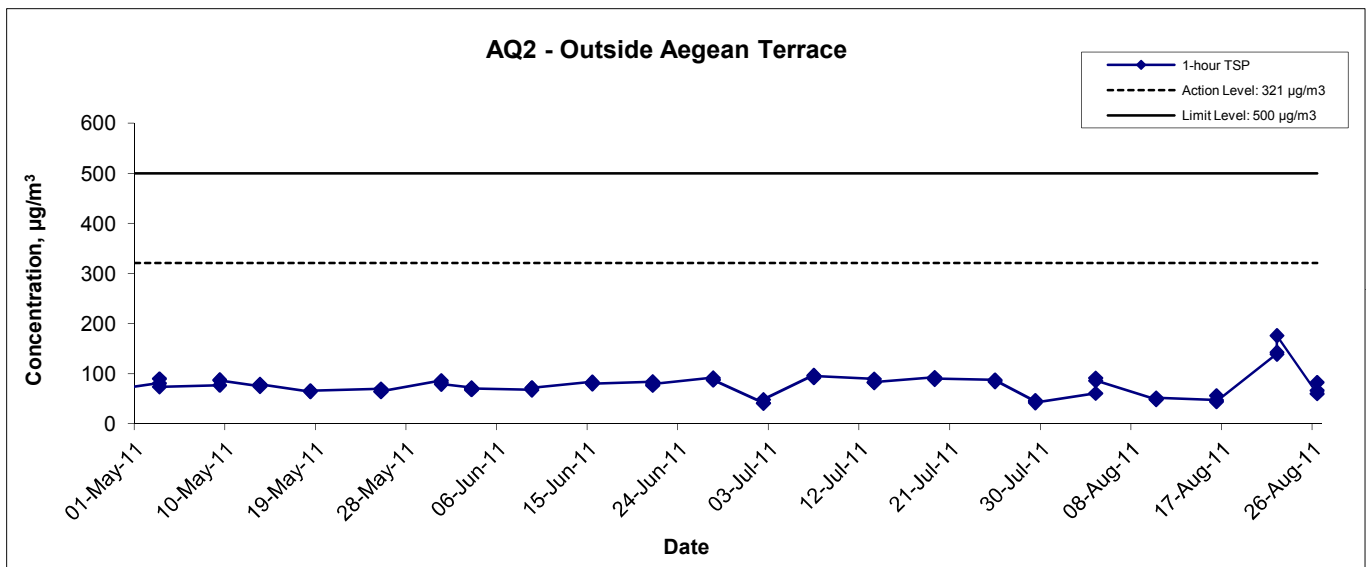
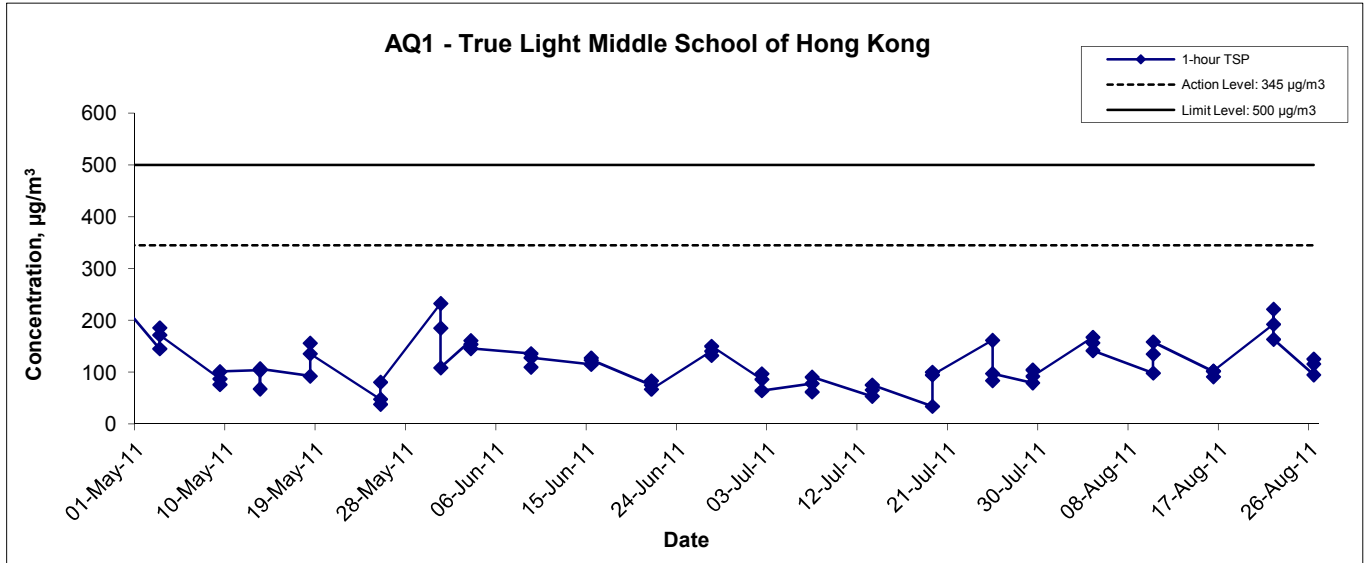
### Station AQ1 (True Light Middle School of Hong Kong)

| Date      | Sampling Time | Weather Condition | Air Temp. (K) | Atmospheric Pressure (Pa) | Filter Weight (g) |        | Particulate weight (g) | Elapse Time |        | Sampling Time(hrs.) | Flow Rate (m <sup>3</sup> /min.) |       | Av. flow (m <sup>3</sup> /min) | Total vol. (m <sup>3</sup> ) | Conc. (µg/m <sup>3</sup> ) |
|-----------|---------------|-------------------|---------------|---------------------------|-------------------|--------|------------------------|-------------|--------|---------------------|----------------------------------|-------|--------------------------------|------------------------------|----------------------------|
|           |               |                   |               |                           | Initial           | Final  |                        | Initial     | Final  |                     | Initial                          | Final |                                |                              |                            |
| 4-Aug-11  | 9:00          | Sunny             | 302.4         | 755.7                     | 3.3442            | 3.3564 | 0.0122                 | 6743.3      | 6744.3 | 1.0                 | 1.21                             | 1.21  | 1.21                           | 72.8                         | 167.6                      |
| 4-Aug-11  | 10:00         | Sunny             | 302.6         | 755.5                     | 3.3425            | 3.3539 | 0.0114                 | 6744.3      | 6745.3 | 1.0                 | 1.21                             | 1.21  | 1.21                           | 72.8                         | 156.7                      |
| 4-Aug-11  | 11:00         | Sunny             | 302.8         | 755.3                     | 3.3849            | 3.3952 | 0.0103                 | 6745.3      | 6746.3 | 1.0                 | 1.21                             | 1.21  | 1.21                           | 72.7                         | 141.6                      |
| 10-Aug-11 | 9:00          | Cloudy            | 298.9         | 757.2                     | 3.3798            | 3.3870 | 0.0072                 | 6770.3      | 6771.3 | 1.0                 | 1.22                             | 1.22  | 1.22                           | 73.2                         | 98.4                       |
| 10-Aug-11 | 10:00         | Cloudy            | 299.1         | 757.1                     | 3.3999            | 3.4098 | 0.0099                 | 6771.3      | 6772.3 | 1.0                 | 1.22                             | 1.22  | 1.22                           | 73.2                         | 135.3                      |
| 10-Aug-11 | 11:00         | Cloudy            | 299.3         | 756.9                     | 3.3999            | 3.4115 | 0.0116                 | 6772.3      | 6773.3 | 1.0                 | 1.22                             | 1.22  | 1.22                           | 73.2                         | 158.6                      |
| 16-Aug-11 | 9:00          | Sunny             | 302.7         | 757.1                     | 3.3617            | 3.3691 | 0.0074                 | 6797.3      | 6798.3 | 1.0                 | 1.21                             | 1.21  | 1.21                           | 72.8                         | 101.6                      |
| 16-Aug-11 | 13:00         | Cloudy            | 306.3         | 754.9                     | 3.4003            | 3.4069 | 0.0066                 | 6798.3      | 6799.3 | 1.0                 | 1.21                             | 1.21  | 1.21                           | 72.4                         | 91.2                       |
| 16-Aug-11 | 14:06         | Sunny             | 306.5         | 754.7                     | 3.3442            | 3.3516 | 0.0074                 | 6799.3      | 6800.3 | 1.0                 | 1.21                             | 1.21  | 1.21                           | 72.3                         | 102.3                      |
| 22-Aug-11 | 13:00         | Sunny             | 303.7         | 757.3                     | 3.3504            | 3.3644 | 0.0140                 | 6824.3      | 6825.3 | 1.0                 | 1.21                             | 1.21  | 1.21                           | 72.7                         | 192.5                      |
| 22-Aug-11 | 14:00         | Sunny             | 303.8         | 757.2                     | 3.4224            | 3.4385 | 0.0161                 | 6825.3      | 6826.3 | 1.0                 | 1.21                             | 1.21  | 1.21                           | 72.7                         | 221.4                      |
| 22-Aug-11 | 15:00         | Sunny             | 303.6         | 757.1                     | 3.4212            | 3.4331 | 0.0119                 | 6826.3      | 6827.3 | 1.0                 | 1.21                             | 1.21  | 1.21                           | 72.7                         | 163.6                      |
| 26-Aug-11 | 13:00         | Sunny             | 305.0         | 753.5                     | 3.3936            | 3.4005 | 0.0069                 | 6851.3      | 6852.3 | 1.0                 | 1.21                             | 1.21  | 1.21                           | 72.5                         | 95.1                       |
| 26-Aug-11 | 14:03         | Sunny             | 305.2         | 753.4                     | 3.3765            | 3.3849 | 0.0084                 | 6852.3      | 6853.3 | 1.0                 | 1.21                             | 1.21  | 1.21                           | 72.5                         | 115.9                      |
| 26-Aug-11 | 15:05         | Sunny             | 305.6         | 753.2                     | 3.3965            | 3.4056 | 0.0091                 | 6853.3      | 6854.3 | 1.0                 | 1.21                             | 1.21  | 1.21                           | 72.5                         | 125.6                      |
|           |               |                   |               |                           |                   |        |                        |             |        |                     |                                  |       |                                | Min                          | 91.2                       |
|           |               |                   |               |                           |                   |        |                        |             |        |                     |                                  |       |                                | Max                          | 221.4                      |
|           |               |                   |               |                           |                   |        |                        |             |        |                     |                                  |       |                                | Average                      | 137.8                      |

## Appendix E - 1-hour TSP Monitoring Results

| Station AQ2 (Outside Aegean Terrace) |       |         |  |
|--------------------------------------|-------|---------|--|
| Date                                 | Time  | Weather | Particulate Concentration ( $\mu\text{g}/\text{m}^3$ ) |
| 4-Aug-11                             | 13:00 | Sunny   | 60.8   |
| 4-Aug-11                             | 14:00 | Sunny   | 91.5   |
| 4-Aug-11                             | 15:00 | Sunny   | 86.1   |
| 10-Aug-11                            | 13:00 | Cloudy  | 48.4   |
| 10-Aug-11                            | 14:00 | Cloudy  | 49.6   |
| 10-Aug-11                            | 15:00 | Cloudy  | 51.9   |
| 16-Aug-11                            | 9:00  | Sunny   | 47.4   |
| 16-Aug-11                            | 10:00 | Sunny   | 56.3   |
| 16-Aug-11                            | 11:00 | Sunny   | 44.2   |
| 22-Aug-11                            | 9:00  | Sunny   | 139.1  |
| 22-Aug-11                            | 10:00 | Sunny   | 143.0  |
| 22-Aug-11                            | 11:00 | Sunny   | 175.9  |
| 26-Aug-11                            | 9:00  | Sunny   | 60.2   |
| 26-Aug-11                            | 10:00 | Sunny   | 66.6   |
| 26-Aug-11                            | 11:00 | Sunny   | 82.6   |
| Average                              |       |         | 80.2   |
| Maximum                              |       |         | 175.9  |
| Minimum                              |       |         | 44.2   |

### 1-hr TSP Concentration Levels



|  |                |                       |  |
|--|----------------|-----------------------|--|
| Title<br>Contract No. DC/2007/10<br>Design and Construction of Hong Kong West Drainage Tunnel<br>Graphical Presentation of 1-hour TSP Monitoring Results | Scale<br>N.T.S | Project No.<br>MA8001 |  |
|  | Date<br>Aug 11 | Appendix<br>E         |  |