

## Appendix F - 24-hour TSP Monitoring Results

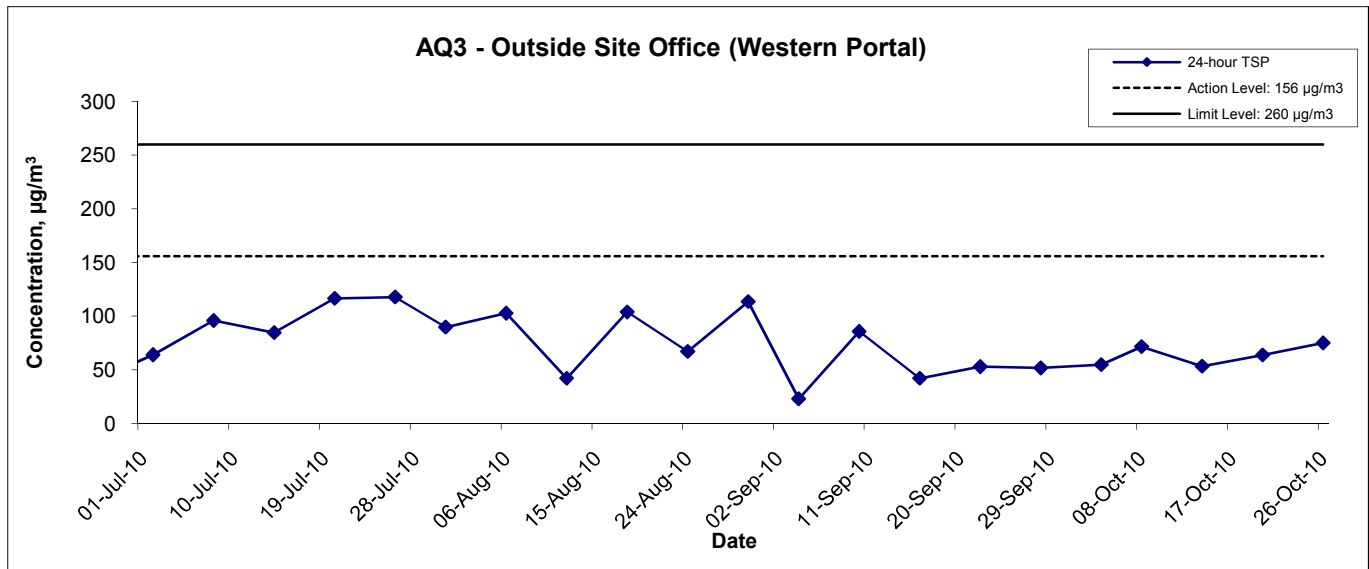
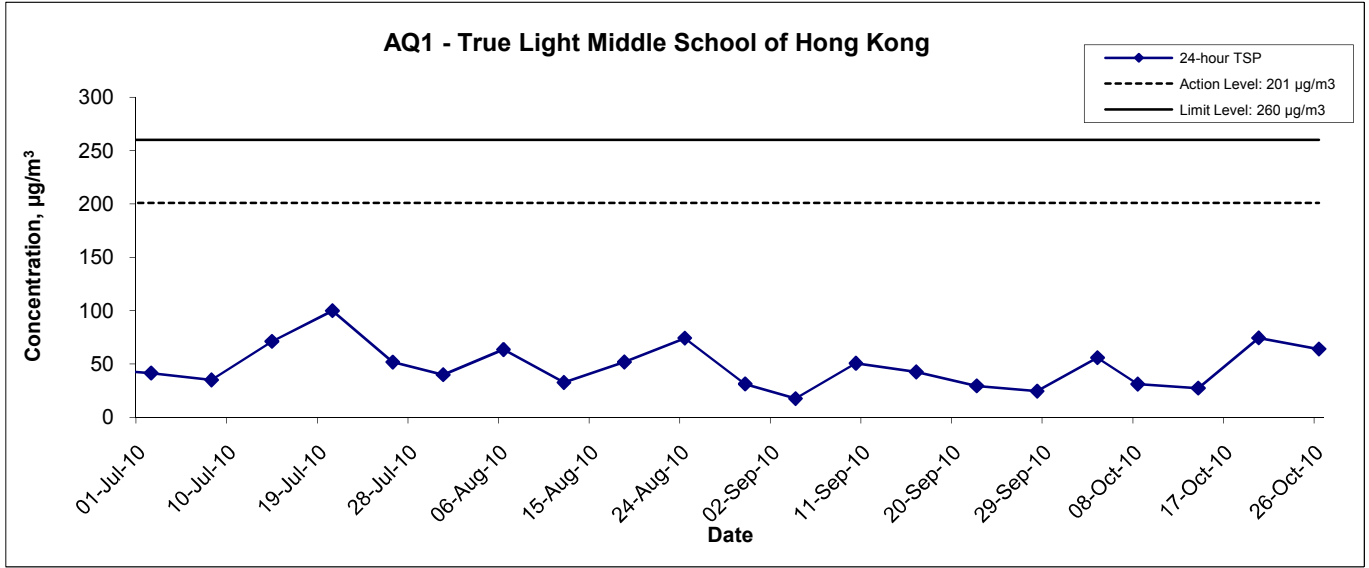
### Station AQ1 - True Light Middle School of Hong Kong

| Start Date | 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-Oct-10   | Cloudy            | 297.5         | 762.7                     | 3.1776            | 3.2767 | 0.0991                 | 5321.3      | 5345.3 | 24.0                | 1.23                             | 1.23  | 1.23                           | 1777.9                       | 55.7                       |
| 8-Oct-10   | Cloudy            | 300.2         | 759.6                     | 3.1495            | 3.2044 | 0.0549                 | 5348.3      | 5372.3 | 24.0                | 1.23                             | 1.23  | 1.23                           | 1767.0                       | 31.1                       |
| 14-Oct-10  | Sunny             | 302.3         | 759.6                     | 3.1825            | 3.2306 | 0.0481                 | 5375.3      | 5399.3 | 24.0                | 1.22                             | 1.22  | 1.22                           | 1761.2                       | 27.3                       |
| 20-Oct-10  | Sunny             | 300.4         | 756.1                     | 3.1687            | 3.2997 | 0.1310                 | 5402.3      | 5426.3 | 24.0                | 1.22                             | 1.22  | 1.22                           | 1762.7                       | 74.3                       |
| 26-Oct-10  | Sunny             | 295.0         | 764.5                     | 3.1557            | 3.2699 | 0.1142                 | 5426.3      | 5450.3 | 24.0                | 1.24                             | 1.24  | 1.24                           | 1786.9                       | 63.9                       |
|            |                   |               |                           |                   |        |                        |             |        |                     |                                  |       |                                | Min                          | 27.3                       |
|            |                   |               |                           |                   |        |                        |             |        |                     |                                  |       |                                | Max                          | 74.3                       |
|            |                   |               |                           |                   |        |                        |             |        |                     |                                  |       |                                | Average                      | 50.5                       |

### Station AQ3 - Outside Site Office (Western Portal)

| Start Date | 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-Oct-10   | Sunny             | 298.3         | 763.2                     | 3.1938            | 3.2909 | 0.0971                 | 9227.1      | 9251.1 | 24.0                | 1.23                             | 1.23  | 1.23                           | 1773.8                       | 54.7                       |
| 8-Oct-10   | Sunny             | 298.2         | 761.8                     | 3.2230            | 3.3499 | 0.1269                 | 9251.1      | 9275.1 | 24.0                | 1.23                             | 1.23  | 1.23                           | 1772.7                       | 71.6                       |
| 14-Oct-10  | Sunny             | 300.1         | 762.1                     | 3.1989            | 3.2931 | 0.0942                 | 9275.1      | 9299.1 | 24.0                | 1.23                             | 1.23  | 1.23                           | 1767.8                       | 53.3                       |
| 20-Oct-10  | Sunny             | 297.9         | 758.8                     | 3.1406            | 3.2535 | 0.1129                 | 9299.1      | 9323.1 | 24.0                | 1.23                             | 1.23  | 1.23                           | 1770.3                       | 63.8                       |
| 26-Oct-10  | Sunny             | 295.0         | 757.7                     | 3.1728            | 3.3061 | 0.1333                 | 9323.1      | 9347.1 | 24.0                | 1.23                             | 1.23  | 1.23                           | 1777.0                       | 75.0                       |
|            |                   |               |                           |                   |        |                        |             |        |                     |                                  |       |                                | Min                          | 53.3                       |
|            |                   |               |                           |                   |        |                        |             |        |                     |                                  |       |                                | Max                          | 75.0                       |
|            |                   |               |                           |                   |        |                        |             |        |                     |                                  |       |                                | Average                      | 63.7                       |

## 24-hr TSP Concentration Levels



|   |                |                       |          |
|---|----------------|-----------------------|----------|
| Title<br>Contract No. DC/2007/10<br>Design and Construction of Hong Kong West Drainage Tunnel<br><br>Graphical Presentation of 24-hour TSP Monitoring Results | Scale<br>N.T.S | Project No.<br>MA8001 | CINOTECH |
|   | Date<br>Oct 10 | Appendix<br>F         |          |