

## Impact Air Quality Monitoring Results

### 24-hour TSP Monitoring Results at Station AM1A (Fan Sin Temple, 3 Sheung Wun Yiu G/F)

| Date      | Weather Condition | Air Temp. (°C) | Atmospheric Pressure(hPa) | Flow Rate (m <sup>3</sup> /min.) |       | Av. flow (m <sup>3</sup> /min) | Total vol. (m <sup>3</sup> ) | Filter Weight (g) |       | Particulate weight(g) | Elapse Time |         | Sampling Time(hrs.) | Conc. (µg/m <sup>3</sup> ) |
|-----------|-------------------|----------------|---------------------------|----------------------------------|-------|--------------------------------|------------------------------|-------------------|-------|-----------------------|-------------|---------|---------------------|----------------------------|
|           |                   |                |                           | Initial                          | Final |                                |                              | Initial           | Final |                       | Initial     | Final   |                     |                            |
| 11-Sep-10 | Fine              | 25.5           | 1008.9                    | 1.34                             | 1.34  | 1.34                           | 1933.92                      | 2.7606            | 2.805 | 0.0444                | 15179.9     | 15203.9 | 24.0                | 23.0                       |

### 24-hour TSP Monitoring Results at Station AM2 (12 Shan Tong New Village G/F)

| Date      | Weather Condition | Air Temp. (°C) | Atmospheric Pressure(hPa) | Flow Rate (m <sup>3</sup> /min.) |       | Av. flow (m <sup>3</sup> /min) | Total vol. (m <sup>3</sup> ) | Filter Weight (g) |        | Particulate weight(g) | Elapse Time |          | Sampling Time(hrs.) | Conc. (µg/m <sup>3</sup> ) |
|-----------|-------------------|----------------|---------------------------|----------------------------------|-------|--------------------------------|------------------------------|-------------------|--------|-----------------------|-------------|----------|---------------------|----------------------------|
|           |                   |                |                           | Initial                          | Final |                                |                              | Initial           | Final  |                       | Initial     | Final    |                     |                            |
| 11-Sep-10 | Fine              | 25.5           | 1008.9                    | 1.29                             | 1.29  | 1.29                           | 1859.04                      | 2.7593            | 2.8105 | 0.0512                | 11838.17    | 11862.17 | 24.00               | 27.5                       |

### 24-hour TSP Monitoring Results at Station AM3 (Roof of Switch Room at Riverain Bayside)

| Date      | Weather Condition | Air Temp. (°C) | Atmospheric Pressure(hPa) | Flow Rate (m <sup>3</sup> /min.) |       | Av. flow (m <sup>3</sup> /min) | Total vol. (m <sup>3</sup> ) | Filter Weight (g) |        | Particulate weight(g) | Elapse Time |          | Sampling Time(hrs.) | Conc. (µg/m <sup>3</sup> ) |
|-----------|-------------------|----------------|---------------------------|----------------------------------|-------|--------------------------------|------------------------------|-------------------|--------|-----------------------|-------------|----------|---------------------|----------------------------|
|           |                   |                |                           | Initial                          | Final |                                |                              | Initial           | Final  |                       | Initial     | Final    |                     |                            |
| 11-Sep-10 | Fine              | 25.5           | 1008.9                    | 1.35                             | 1.35  | 1.35                           | 1941.12                      | 2.7846            | 2.8393 | 0.0547                | 15569.59    | 15593.59 | 24.00               | 28.2                       |

### 24-hour TSP Monitoring Results at Station AM4 (Roof of Tai Kwong Secondary School)

| Date      | Weather Condition | Air Temp. (°C) | Atmospheric Pressure(hPa) | Flow Rate (m <sup>3</sup> /min.) |       | Av. flow (m <sup>3</sup> /min) | Total vol. (m <sup>3</sup> ) | Filter Weight (g) |        | Particulate weight(g) | Elapse Time |          | Sampling Time(hrs.) | Conc. (µg/m <sup>3</sup> ) |
|-----------|-------------------|----------------|---------------------------|----------------------------------|-------|--------------------------------|------------------------------|-------------------|--------|-----------------------|-------------|----------|---------------------|----------------------------|
|           |                   |                |                           | Initial                          | Final |                                |                              | Initial           | Final  |                       | Initial     | Final    |                     |                            |
| 11-Sep-10 | Fine              | 25.5           | 1008.9                    | 1.34                             | 1.34  | 1.34                           | 1928.16                      | 2.7899            | 2.8312 | 0.0413                | 11697.35    | 11721.35 | 24.00               | 21.4                       |