

## 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    |                     |                            |
| 6-May-10  | Cloudy            | 27.3           | 1007.0                    | 1.343                            | 1.343 | 1.34                           | 1933.92                      | 2.7933            | 2.8411 | 0.0478                | 14661.9     | 14685.9  | 24.0                | 24.7                       |
| 12-May-10 | Sunny             | 24.0           | 1012.2                    | 1.343                            | 1.343 | 1.34                           | 1933.92                      | 3.4155            | 3.4972 | 0.0817                | 14685.9     | 14709.9  | 24.0                | 42.2                       |
| 18-May-10 | Cloudy            | 27.3           | 1010.2                    | 1.343                            | 1.343 | 1.34                           | 1933.92                      | 2.7995            | 2.8395 | 0.0400                | 14709.9     | 14733.9  | 24.0                | 20.7                       |
| 24-May-10 | Sunny             | 25.6           | 1006.9                    | 1.343                            | 1.343 | 1.34                           | 1933.92                      | 2.839             | 2.911  | 0.0720                | 14733.9     | 14757.9  | 24.0                | 37.2                       |
| 29-May-10 | Cloudy            | 27.0           | 1006.9                    | 1.34                             | 1.34  | 1.34                           | 1933.92                      | 2.8321            | 2.8875 | 0.0554                | 14757.86    | 14781.86 | 24.00               | 28.6                       |

### 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    |                     |                            |
| 6-May-10  | Cloudy            | 27.3           | 1007.0                    | 1.35                             | 1.35  | 1.35                           | 1938.24                      | 2.8267            | 2.8787 | 0.0520                | 11310.17    | 11334.17 | 24.00               | 26.8                       |
| 12-May-10 | Sunny             | 24.0           | 1012.2                    | 1.35                             | 1.35  | 1.35                           | 1938.24                      | 2.8042            | 2.9394 | 0.1352                | 11334.17    | 11358.17 | 24.00               | 69.8                       |
| 18-May-10 | Cloudy            | 27.3           | 1010.2                    | 1.35                             | 1.35  | 1.35                           | 1938.24                      | 2.8415            | 2.8974 | 0.0559                | 11358.17    | 11382.17 | 24.00               | 28.8                       |
| 24-May-10 | Sunny             | 25.6           | 1006.9                    | 1.32                             | 1.32  | 1.32                           | 1905.12                      | 2.8015            | 2.8778 | 0.0763                | 11382.17    | 11406.17 | 24.00               | 40.0                       |
| 29-May-10 | Cloudy            | 27.0           | 1006.9                    | 1.35                             | 1.35  | 1.35                           | 1938.24                      | 2.8505            | 2.8847 | 0.0342                | 11406.17    | 11430.17 | 24.00               | 17.6                       |

### 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    |                     |                            |
| 6-May-10  | Cloudy            | 27.3           | 1007.0                    | 1.35                             | 1.35  | 1.35                           | 1941.12                      | 2.7765            | 2.8401 | 0.0636                | 15041.57    | 15065.57 | 24.00               | 32.8                       |
| 12-May-10 | Sunny             | 24.0           | 1012.2                    | 1.35                             | 1.35  | 1.35                           | 1941.12                      | 2.8210            | 2.9277 | 0.1067                | 15065.57    | 15089.57 | 24.00               | 55.0                       |
| 18-May-10 | Cloudy            | 27.3           | 1010.2                    | 1.35                             | 1.35  | 1.35                           | 1941.12                      | 2.8167            | 2.8852 | 0.0685                | 15089.57    | 15113.57 | 24.00               | 35.3                       |
| 24-May-10 | Sunny             | 25.6           | 1006.9                    | 1.35                             | 1.35  | 1.35                           | 1941.12                      | 2.8506            | 2.9613 | 0.1107                | 15113.57    | 15137.57 | 24.00               | 57.0                       |
| 29-May-10 | Cloudy            | 27.0           | 1006.9                    | 1.35                             | 1.35  | 1.35                           | 1941.12                      | 2.8410            | 2.8872 | 0.0462                | 15137.59    | 15161.59 | 24.00               | 23.8                       |

### 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    |                     |                            |
| 6-May-10  | Cloudy            | 27.3           | 1007.0                    | 1.34                             | 1.34  | 1.34                           | 1928.16                      | 2.8166            | 2.8540 | 0.0374                | 11230.35    | 11254.35 | 24.00               | 19.4                       |
| 12-May-10 | Sunny             | 24.0           | 1012.2                    | 1.34                             | 1.34  | 1.34                           | 1928.16                      | 2.8037            | 2.8841 | 0.0804                | 11254.35    | 11278.35 | 24.00               | 41.7                       |
| 18-May-10 | Cloudy            | 27.3           | 1010.2                    | 1.34                             | 1.34  | 1.34                           | 1928.16                      | 2.8180            | 2.8666 | 0.0486                | 11248.35    | 11272.35 | 24.00               | 25.2                       |
| 24-May-10 | Sunny             | 25.6           | 1006.9                    | 1.34                             | 1.34  | 1.34                           | 1928.16                      | 2.8134            | 2.8796 | 0.0662                | 11272.35    | 11296.35 | 24.00               | 34.3                       |
| 29-May-10 | Cloudy            | 27.0           | 1006.9                    | 1.34                             | 1.34  | 1.34                           | 1928.16                      | 2.8292            | 2.8794 | 0.0502                | 11292.35    | 11316.35 | 24.00               | 26.0                       |