

## 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		
2-May-12	Sunny	29.2	1006.6	1.34	1.34	1.34	1933.9	2.7746	2.8126	0.0380	17786.46	17810.46	24.00	19.6
8-May-12	Sunny	28.6	1008.8	1.34	1.34	1.34	1933.9	2.8362	2.8906	0.0544	17810.46	17834.46	24.00	28.1
14-May-12	Sunny	28.8	1006.9	1.33	1.33	1.33	1916.6	2.8313	2.8597	0.0284	17834.46	17858.46	24.00	14.8
19-May-12	Rainy	26.5	1007.1	1.33	1.33	1.33	1916.6	2.7492	2.7809	0.0317	17858.46	17882.46	24.00	16.5
25-May-12	Sunny	27.9	1006.3	1.33	1.33	1.33	1916.6	2.8133	2.8363	0.0230	17882.46	17906.46	24.00	12.0
31-May-12	Sunny	27.0	1007.8	1.34	1.34	1.34	1925.3	2.7381	2.7682	0.0301	17906.46	17930.46	24.00	15.6

### 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		
2-May-12	Sunny	29.2	1006.6	1.35	1.35	1.35	1938.2	2.8405	2.8941	0.0536	14359.12	14383.12	24.00	27.7
8-May-12	Sunny	28.6	1008.8	1.35	1.35	1.35	1938.2	2.8425	2.8945	0.0520	14383.12	14407.12	24.00	26.8
14-May-12	Sunny	28.8	1006.9	1.33	1.33	1.33	1921.0	2.8278	2.8830	0.0552	14407.12	14431.12	24.00	28.7
19-May-12	Rainy	26.5	1007.1	1.33	1.33	1.33	1921.0	2.7345	2.7727	0.0382	14431.12	14455.12	24.00	19.9
25-May-12	Sunny	27.9	1006.3	1.33	1.33	1.33	1921.0	2.8257	2.8403	0.0146	14455.12	14479.12	24.00	7.6
31-May-12	Sunny	27.0	1007.8	1.33	1.33	1.33	1921.0	2.7402	2.7970	0.0568	14479.12	14503.12	24.00	29.6

### 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		
2-May-12	Sunny	29.2	1006.6	1.35	1.35	1.35	1941.1	2.7847	2.826	0.0413	18090.59	18114.59	24.00	21.3
8-May-12	Sunny	28.6	1008.8	1.35	1.35	1.35	1941.1	2.8331	2.8717	0.0386	18114.59	18138.59	24.00	19.9
#17-May-12	Rainy	27.0	1006.5	1.34	1.34	1.34	1925.3	2.8209	2.8373	0.0164	18138.59	18162.59	24.00	8.5
19-May-12	Rainy	26.5	1007.1	1.34	1.34	1.34	1925.3	2.7519	2.7907	0.0388	18162.59	18186.59	24.00	20.2
25-May-12	Sunny	27.9	1006.3	1.34	1.34	1.34	1925.3	2.8203	2.8595	0.0392	18186.59	18210.59	24.00	20.4
31-May-12	Sunny	27.0	1007.8	1.33	1.33	1.33	1918.2	2.7538	2.7945	0.0407	18210.59	18234.59	24.00	21.2

# Due to the power supply to the high volume sampler being interrupted on 14 May 2012, the 1-hour and 24-hr TSP monitoring were rescheduled to 17 May 2012.

### 24-hour TSP Monitoring Results at Station AM4A (Roof of Switch Room at 168 Shek Kwu Lung Village)

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		
2-May-12	Sunny	29.2	1006.6	1.34	1.34	1.34	1931.0	2.7745	2.8521	0.0776	14218.36	14242.36	24.00	40.2
8-May-12	Sunny	28.6	1008.8	1.34	1.34	1.34	1931.0	2.7572	2.8243	0.0671	14242.36	14266.36	24.00	34.7
14-May-12	Sunny	28.8	1006.9	1.34	1.34	1.34	1928.2	2.8197	2.8772	0.0575	14266.36	14290.36	24.00	29.8
19-May-12	Rainy	26.5	1007.1	1.34	1.34	1.34	1928.2	2.7678	2.8094	0.0416	14290.36	14314.36	24.00	21.6
25-May-12	Sunny	27.9	1006.3	1.34	1.34	1.34	1928.2	2.8329	2.8746	0.0417	14314.36	14338.36	24.00	21.6
31-May-12	Sunny	27.0	1007.8	1.34	1.34	1.34	1928.2	2.7573	2.8382	0.0809	14338.36	14362.36	24.00	42.0