

## Impact Air Quality Monitoring Results

### 24-hour TSP Monitoring Results at Station AM1 (13 Ha 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		
4-Jan-10	Sunny	17.9	1015.1	1.343	1.343	1.3	1933.9	3.4571	3.546	0.09	14524.2	14548.2	24.0	46.0
9-Jan-10	Cloudy	15.1	1018.9	1.343	1.343	1.3	1933.9	3.45	3.5119	0.06	14548.2	14572.2	24.0	32.0
15-Jan-10	Sunny	15.8	1025.0	1.34	1.34	1.34	1933.9	3.4439	3.5634	0.1195	14572.18	14596.18	24.00	61.8
21-Jan-10	Sunny	22.3	1018.5	1.34	1.34	1.34	1933.9	3.5091	3.5790	0.0699	14597.18	14621.18	24.00	36.1
27-Jan-10	Sunny	16.9	1019.6	1.34	1.34	1.34	1933.9	3.5160	3.6369	0.1209	14621.18	14645.18	24.00	62.5

### 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-Jan-10	Cloudy	20.0	1020.1	1.323	1.323	1.3	1905.1	3.4526	3.5442	0.09	10805.2	10829.2	24.0	48.1
8-Jan-10	Cloudy	15.5	1020.3	1.323	1.323	1.3	1905.1	3.4461	3.5156	0.07	10829.2	10853.2	24.0	36.5
14-Jan-10	Sunny	14.2	1019.8	1.35	1.35	1.35	1938.2	3.4482	3.5761	0.1279	10853.17	10877.17	24.00	66.0
20-Jan-10	Fine	20.3	1019.9	1.35	1.35	1.35	1938.2	3.5001	3.5341	0.0340	10878.17	10902.17	24.00	17.5
26-Jan-10	Fine	17.0	1020.5	1.35	1.35	1.35	1938.2	3.5145	3.6135	0.0990	10902.17	10926.17	24.00	51.1

### 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		
4-Jan-10	Sunny	17.9	1015.1	1.35	1.35	1.35	1941.1	3.4526	3.5750	0.1224	14536.59	14560.59	24.00	63.1
9-Jan-10	Cloudy	15.1	1018.9	1.35	1.35	1.35	1941.1	3.4475	3.5220	0.0745	14560.59	14584.59	24.00	38.4
15-Jan-10	Sunny	15.8	1025.0	1.35	1.35	1.35	1941.1	3.4485	3.5711	0.1226	14584.59	14608.59	24.00	63.2
21-Jan-10	Sunny	22.3	1018.5	1.35	1.35	1.35	1941.1	3.5101	3.5918	0.0817	14609.59	14633.59	24.00	42.1
27-Jan-10	Sunny	16.9	1019.6	1.35	1.35	1.35	1941.1	3.5147	3.6632	0.1485	14633.59	14657.59	24.00	76.5

### 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		
4-Jan-10	Sunny	17.9	1015.1	1.34	1.34	1.34	1928.2	3.4478	3.5512	0.1034	10725.55	10749.55	24.00	53.6
9-Jan-10	Cloudy	15.1	1018.9	1.34	1.34	1.34	1928.2	3.4540	3.5226	0.0686	10749.55	10773.55	24.00	35.6
15-Jan-10	Sunny	15.8	1025.0	1.34	1.34	1.34	1928.2	3.4618	3.5832	0.1214	10773.55	10797.55	24.00	63.0
21-Jan-10	Sunny	22.3	1018.5	1.34	1.34	1.34	1928.2	3.5037	3.5713	0.0676	10798.55	10822.55	24.00	35.1
27-Jan-10	Sunny	16.9	1019.6	1.34	1.34	1.34	1928.2	3.5160	3.6310	0.1150	10822.55	10846.55	24.00	59.6