

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 ³ /min.)		Av. flow (m ³ /min)	Total vol. (m ³)	Filter Weight (g)		Particulate weight(g)	Elapse Time		Sampling Time(hrs.)	Conc. (µg/m ³)
				Initial	Final			Initial	Final		Initial	Final		
5-Feb-14	Fine	17.1	1013.9	1.33	1.33	1.33	1916.6	2.6867	2.7644	0.0777	20523.46	20547.46	24.00	40.5
11-Feb-14	Fine	8.4	1019.9	1.33	1.33	1.33	1916.6	2.5431	2.5973	0.0542	20547.46	20571.46	24.00	28.3
17-Feb-14	Fine	17.6	1018.1	1.33	1.33	1.33	1916.6	2.7140	2.7846	0.0706	20571.46	20595.46	24.00	36.8
22-Feb-14	Fine	14.7	1023.0	1.33	1.33	1.33	1916.6	2.5380	2.6297	0.0917	20595.46	20619.46	24.00	47.8
28-Feb-14	Fine	18.3	1017.0	1.33	1.33	1.33	1916.6	2.6631	2.7100	0.0469	20619.46	20643.46	24.00	24.5

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 ³ /min.)		Av. flow (m ³ /min)	Total vol. (m ³)	Filter Weight (g)		Particulate weight(g)	Elapse Time		Sampling Time(hrs.)	Conc. (µg/m ³)
				Initial	Final			Initial	Final		Initial	Final		
5-Feb-14	Fine	17.1	1013.9	1.34	1.34	1.34	1925.3	2.6644	2.7348	0.0704	17095.12	17119.12	24.00	36.6
11-Feb-14	Fine	8.4	1019.9	1.34	1.34	1.34	1925.3	2.7382	2.8104	0.0722	17119.12	17143.12	24.00	37.5
19-Feb-14	Fine	10.0	1021.5	1.34	1.34	1.34	1925.3	2.7180	2.7989	0.0809	17143.12	17167.12	24.00	42.0
22-Feb-14	Fine	14.7	1023.0	1.31	1.31	1.31	1882.1	2.6562	2.6660	0.0098	17167.12	17191.12	24.00	5.2
28-Feb-14	Fine	18.3	1017.0	1.34	1.34	1.34	1925.3	2.6692	2.7228	0.0536	17191.12	17215.12	24.00	27.8

Remarks: Due to power failure in AM2 on 17 February 2014, the 24-hr TSP monitoring was postponed to 19 February 2014.

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 ³ /min.)		Av. flow (m ³ /min)	Total vol. (m ³)	Filter Weight (g)		Particulate weight(g)	Elapse Time		Sampling Time(hrs.)	Conc. (µg/m ³)
				Initial	Final			Initial	Final		Initial	Final		
5-Feb-14	Fine	17.1	1013.9	1.33	1.33	1.33	1921.0	2.6388	2.7276	0.0888	20824.59	20848.59	24.00	46.2
11-Feb-14	Fine	8.4	1019.9	1.33	1.33	1.33	1921.0	2.7180	2.8311	0.1131	20848.59	20872.59	24.00	58.9
17-Feb-14	Fine	17.6	1018.1	1.33	1.33	1.33	1921.0	2.7353	2.8293	0.0940	20872.59	20896.59	24.00	48.9
22-Feb-14	Fine	14.7	1023.0	1.33	1.33	1.33	1921.0	2.6819	2.7805	0.0986	20896.59	20920.59	24.00	51.3
28-Feb-14	Fine	18.3	1017.0	1.33	1.33	1.33	1921.0	2.5192	2.6070	0.0878	20920.59	20944.59	24.00	45.7

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 ³ /min.)		Av. flow (m ³ /min)	Total vol. (m ³)	Filter Weight (g)		Particulate weight(g)	Elapse Time		Sampling Time(hrs.)	Conc. (µg/m ³)
				Initial	Final			Initial	Final		Initial	Final		
5-Feb-14	Fine	17.1	1013.9	1.33	1.33	1.33	1918.1	2.5990	2.6532	0.0542	16954.36	16978.36	24.00	28.3
11-Feb-14	Fine	8.4	1019.9	1.33	1.33	1.33	1918.1	2.7293	2.7953	0.0660	16978.36	17002.36	24.00	34.4
17-Feb-14	Fine	17.6	1018.1	1.33	1.33	1.33	1918.1	2.6951	2.7746	0.0795	17002.36	17026.36	24.00	41.4
22-Feb-14	Fine	14.7	1023.0	1.33	1.33	1.33	1918.1	2.6940	2.7841	0.0901	17026.36	17050.36	24.00	47.0
28-Feb-14	Fine	18.3	1017.0	1.33	1.33	1.33	1918.1	2.6613	2.7187	0.0574	17050.36	17074.36	24.00	29.9