

Appendix E - 1-hour TSP Monitoring Results

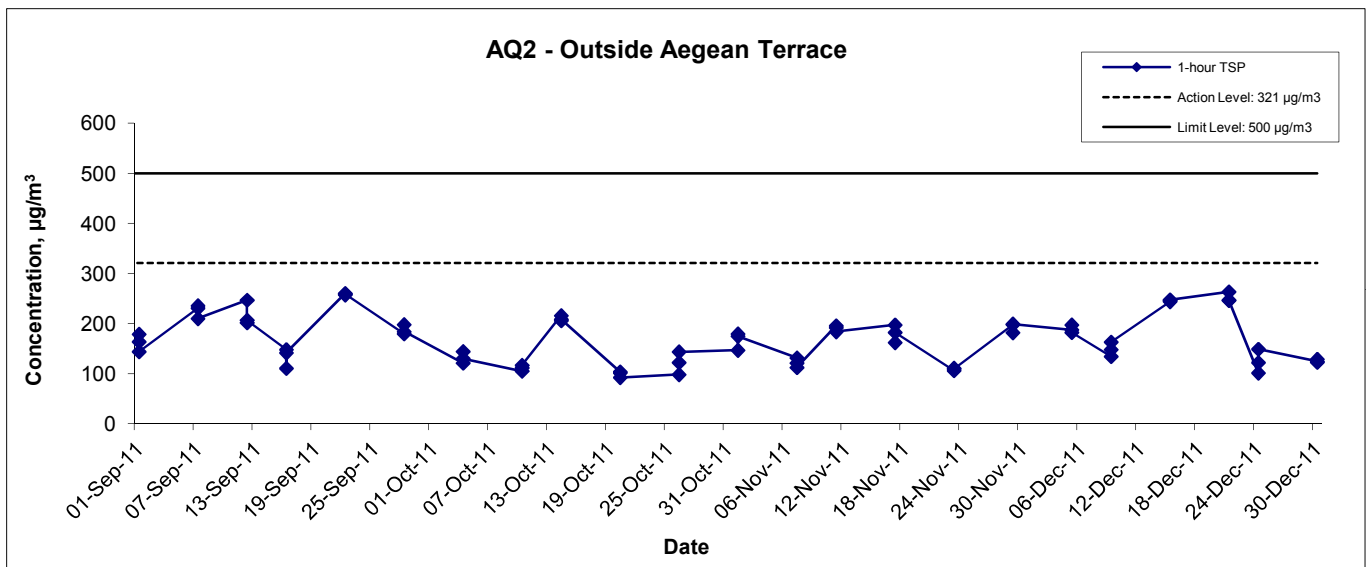
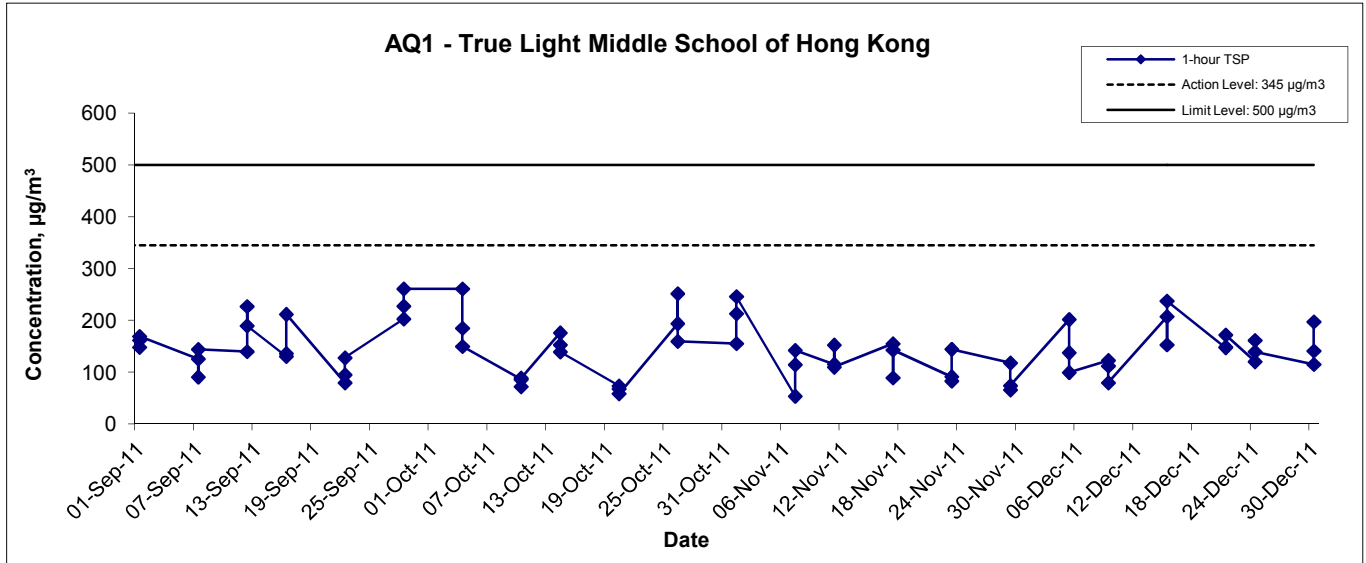
Station AQ1 (True Light Middle School of Hong Kong)

Date	Sampling Time	Weather Condition	Air Temp. (K)	Atmospheric Pressure (Pa)	Filter Weight (g)		Particulate weight (g)	Elapse Time		Sampling Time (hrs.)	Flow Rate (m ³ /min.)		Av. flow (m ³ /min)	Total vol. (m ³)	Conc. (µg/m ³)
					Initial	Final		Initial	Final		Initial	Final			
5-Dec-11	13:00	Cloudy	293.1	765.9	3.3636	3.3784	0.0148	7313.3	7314.3	1.0	1.22	1.22	1.22	73.4	201.7
5-Dec-11	14:00	Cloudy	293.2	765.8	3.4015	3.4116	0.0101	7314.3	7315.3	1.0	1.22	1.22	1.22	73.4	137.6
5-Dec-11	15:00	Cloudy	293.3	765.6	3.4108	3.4181	0.0073	7315.3	7316.3	1.0	1.22	1.22	1.22	73.4	99.5
9-Dec-11	13:00	Sunny	288.0	769.1	3.1246	3.1337	0.0091	7340.3	7341.3	1.0	1.24	1.24	1.24	74.1	122.7
9-Dec-11	14:00	Sunny	288.2	768.9	3.1218	3.1301	0.0083	7341.3	7342.3	1.0	1.24	1.23	1.24	74.1	112.0
9-Dec-11	15:00	Sunny	288.4	768.7	3.1199	3.1258	0.0059	7342.3	7343.3	1.0	1.23	1.23	1.23	74.1	79.7
15-Dec-11	13:00	Sunny	293.9	766.9	3.2743	3.2895	0.0152	7367.3	7368.3	1.0	1.22	1.22	1.22	73.3	207.3
15-Dec-11	14:00	Sunny	294.1	766.7	3.2724	3.2836	0.0112	7368.3	7369.3	1.0	1.22	1.22	1.22	73.3	152.8
15-Dec-11	15:00	Sunny	294.1	766.5	3.2799	3.2973	0.0174	7369.3	7370.3	1.0	1.22	1.22	1.22	73.3	237.4
21-Dec-11	9:00	Sunny	291.3	768.1	3.0998	3.1107	0.0109	7394.3	7395.3	1.0	1.23	1.23	1.23	73.9	147.5
21-Dec-11	13:00	Sunny	291.5	768.4	3.1926	3.2036	0.0110	7395.3	7396.3	1.0	1.23	1.23	1.23	73.9	148.8
21-Dec-11	14:05	Sunny	291.7	767.7	3.1883	3.2010	0.0127	7396.3	7397.3	1.0	1.23	1.23	1.23	73.9	172.0
24-Dec-11	9:00	Cloudy	284.6	772.3	3.2501	3.2590	0.0089	7421.3	7422.3	1.0	1.23	1.23	1.23	73.9	120.4
24-Dec-11	10:02	Cloudy	286.3	772.1	3.2522	3.2641	0.0119	7422.3	7423.3	1.0	1.23	1.23	1.23	73.7	161.4
24-Dec-11	11:05	Cloudy	285.0	772.1	3.1101	3.1204	0.0103	7423.3	7424.3	1.0	1.23	1.23	1.23	73.9	139.4
30-Dec-11	13:00	Cloudy	291.2	769.3	3.2877	3.2961	0.0084	7448.3	7449.3	1.0	1.22	1.22	1.22	73.1	115.0
30-Dec-11	14:02	Cloudy	291.4	769.1	3.2923	3.3026	0.0103	7449.3	7450.3	1.0	1.22	1.22	1.22	73.0	141.0
30-Dec-11	15:05	Cloudy	291.6	769.0	3.2775	3.2919	0.0144	7450.3	7451.3	1.0	1.22	1.22	1.22	73.0	197.2
														Min	79.7
														Max	237.4
														Average	149.6

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Station AQ2 (Outside Aegean Terrace)			
Date	Time	Weather	Particulate Concentration ($\mu\text{g}/\text{m}^3$)
5-Dec-11	9:00	Cloudy	187.4
5-Dec-11	10:00	Cloudy	197.0
5-Dec-11	11:00	Cloudy	182.2
9-Dec-11	9:00	Cloudy	134.2
9-Dec-11	10:00	Cloudy	147.8
9-Dec-11	11:00	Cloudy	163.0
15-Dec-11	11:00	Sunny	243.6
15-Dec-11	13:00	Sunny	246.0
15-Dec-11	14:00	Sunny	247.4
21-Dec-11	9:00	Sunny	263.4
21-Dec-11	10:00	Sunny	246.9
21-Dec-11	11:00	Sunny	246.1
24-Dec-11	14:00	Cloudy	101.2
24-Dec-11	15:00	Cloudy	122.0
24-Dec-11	16:00	Cloudy	148.9
30-Dec-11	9:00	Cloudy	124.5
30-Dec-11	10:00	Cloudy	128.6
30-Dec-11	11:00	Cloudy	122.8
		Average	180.7
		Maximum	263.4
		Minimum	101.2

1-hr TSP Concentration Levels



Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of 1-hour TSP Monitoring Results	Scale N.T.S	Project No. MA8001	
	Date Dec 11	Appendix E	