

Appendix E - 1-hour TSP Monitoring Results

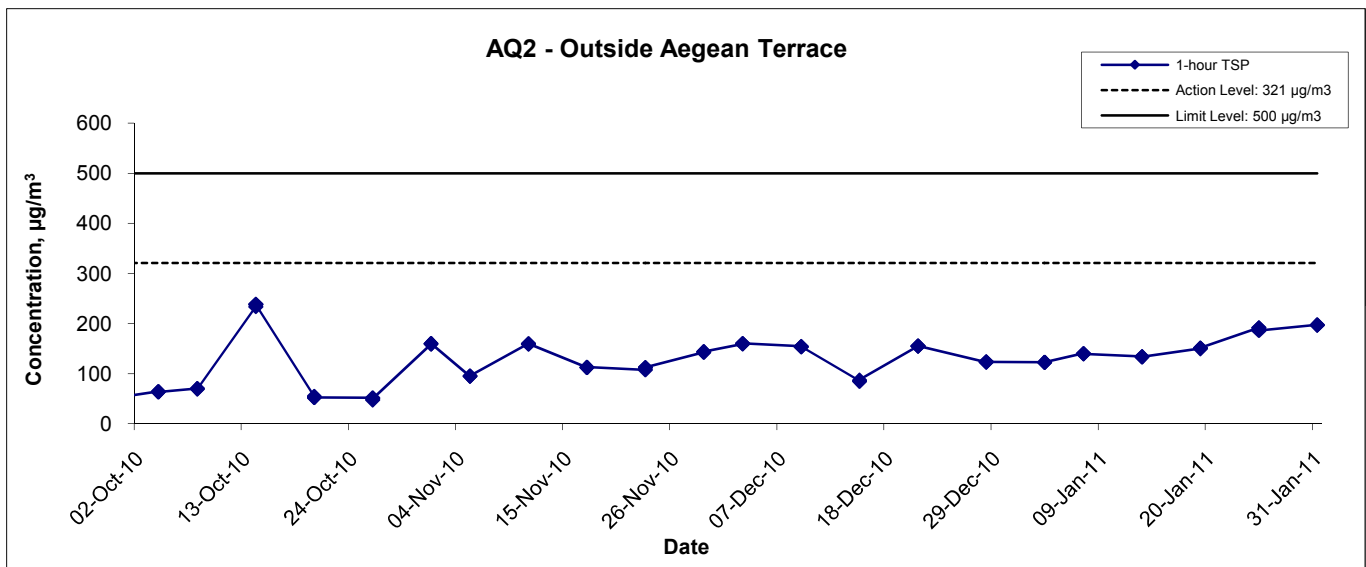
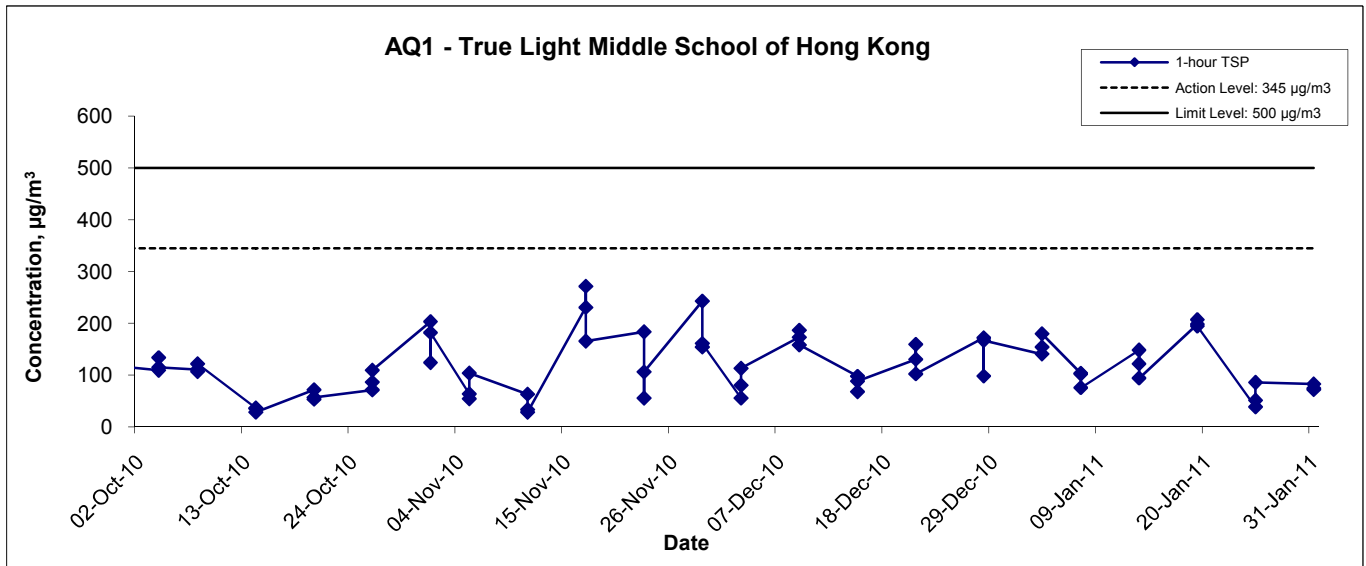
Station AQ1 (True Light Middle School of Hong Kong)

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			
3-Jan-11	9:00	Cloudy	284.2	769.1	3.1890	3.1995	0.0105	5743.3	5744.3	1.0	1.24	1.24	1.24	74.6	140.7
3-Jan-11	10:00	Cloudy	284.4	768.9	3.1640	3.1755	0.0115	5744.3	5745.3	1.0	1.24	1.24	1.24	74.6	154.1
3-Jan-11	11:00	Cloudy	284.6	768.7	3.1839	3.1973	0.0134	5745.3	5746.3	1.0	1.24	1.24	1.24	74.6	179.7
7-Jan-11	9:00	Cloudy	280.7	773.4	3.1787	3.1865	0.0078	5770.3	5771.3	1.0	1.25	1.25	1.25	75.3	103.6
7-Jan-11	10:00	Cloudy	280.9	773.3	3.1987	3.2064	0.0077	5771.3	5772.3	1.0	1.25	1.25	1.25	75.2	102.3
7-Jan-11	11:00	Cloudy	280.7	773.4	3.1760	3.1817	0.0057	5772.3	5773.3	1.0	1.25	1.25	1.25	75.3	75.7
13-Jan-11	9:00	Cloudy	282.8	768.4	3.1367	3.1474	0.0107	5797.3	5798.3	1.0	1.20	1.20	1.20	72.2	148.2
13-Jan-11	10:00	Sunny	283.0	768.2	3.1433	3.1521	0.0088	5798.3	5799.3	1.0	1.20	1.20	1.20	72.2	121.9
13-Jan-11	11:00	Sunny	283.2	768.1	3.1656	3.1724	0.0068	5799.3	5800.3	1.0	1.20	1.20	1.20	72.1	94.3
19-Jan-11	9:00	Sunny	288.0	767.7	3.1946	3.2088	0.0142	5824.3	5825.3	1.0	1.19	1.19	1.19	71.6	198.4
19-Jan-11	10:00	Sunny	288.1	766.9	3.1909	3.2057	0.0148	5825.3	5826.3	1.0	1.19	1.19	1.19	71.5	206.9
19-Jan-11	11:00	Sunny	288.3	766.7	3.1634	3.1773	0.0139	5826.3	5827.3	1.0	1.19	1.19	1.19	71.5	194.4
25-Jan-11	9:00	Sunny	284.3	772.7	3.1684	3.1712	0.0028	5851.3	5852.3	1.0	1.20	1.20	1.20	72.2	38.8
25-Jan-11	10:00	Sunny	284.5	772.5	3.1881	3.1918	0.0037	5852.3	5853.3	1.0	1.20	1.20	1.20	72.2	51.3
25-Jan-11	11:00	Sunny	284.7	772.3	3.1743	3.1805	0.0062	5853.3	5854.3	1.0	1.20	1.20	1.20	72.1	85.9
31-Jan-11	9:00	Sunny	284.5	773.7	3.1976	3.2036	0.0060	5878.3	5879.3	1.0	1.20	1.20	1.20	72.2	83.1
31-Jan-11	10:00	Sunny	284.7	773.5	3.2119	3.2173	0.0054	5879.3	5880.3	1.0	1.20	1.20	1.20	72.2	74.8
31-Jan-11	11:00	Sunny	284.9	773.3	3.1321	3.1373	0.0052	5880.3	5881.3	1.0	1.20	1.20	1.20	72.2	72.1
														Min	38.8
														Max	206.9
														Average	118.1

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Station AQ2 (Outside Aegean Terrace)			
Date	Time	Weather	Particulate Concentration ($\mu\text{g}/\text{m}^3$)
3-Jan-11	13:00	Cloudy	122.5
3-Jan-11	14:00	Cloudy	123.0
3-Jan-11	15:00	Cloudy	122.5
7-Jan-11	13:10	Cloudy	140.4
7-Jan-11	14:10	Cloudy	140.0
7-Jan-11	15:10	Cloudy	139.6
13-Jan-11	13:05	Sunny	134.3
13-Jan-11	14:05	Sunny	133.3
13-Jan-11	15:05	Sunny	133.8
19-Jan-11	13:00	Sunny	149.9
19-Jan-11	14:00	Sunny	151.5
19-Jan-11	15:00	Sunny	151.3
25-Jan-11	13:05	Sunny	191.8
25-Jan-11	14:05	Sunny	191.5
25-Jan-11	15:05	Sunny	185.9
31-Jan-11	13:10	Sunny	197.2
31-Jan-11	14:10	Sunny	197.6
31-Jan-11	15:10	Sunny	196.8
		Average	155.7
		Maximum	197.6
		Minimum	122.5

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 Jan 11	Appendix E	