

1-hour TSP Monitoring Result for Hong Kong-Zhuhai-Macao Bridge Hong Kong Boundary Crossing Facilities – Phase 2 and Other Works

AMS2 - Tung Chung Development Pier

Date	Weather Condition	Start Time	1-hour TSP ($\mu\text{g}/\text{m}^3$)			Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
			1st Measurement	2nd Measurement	3rd Measurement		
1-Jun-20	Fine	11:35	28	32	32	374	500
6-Jun-20	Fine	09:40	90	83	85		
12-Jun-20	Fine	11:13	48	44	44		
18-Jun-20	Fine	09:22	28	40	44		
24-Jun-20	Cloudy	11:44	52	56	56		
30-Jun-20	Fine	09:40	94	90	81		
		Min	28				
		Max	94				
		Average	57				

AMS3C - Ying Tung Estate Market Rooftop

Date	Weather Condition	Start Time	1-hour TSP ($\mu\text{g}/\text{m}^3$)			Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
			1st Measurement	2nd Measurement	3rd Measurement		
1-Jun-20	Fine	12:00	32	32	28	368	500
6-Jun-20	Fine	09:11	46	52	46		
12-Jun-20	Fine	11:20	40	42	48		
18-Jun-20	Fine	09:43	52	44	56		
24-Jun-20	Cloudy	12:01	64	60	60		
30-Jun-20	Fine	09:31	52	50	62		
		Min	28				
		Max	64				
		Average	48				

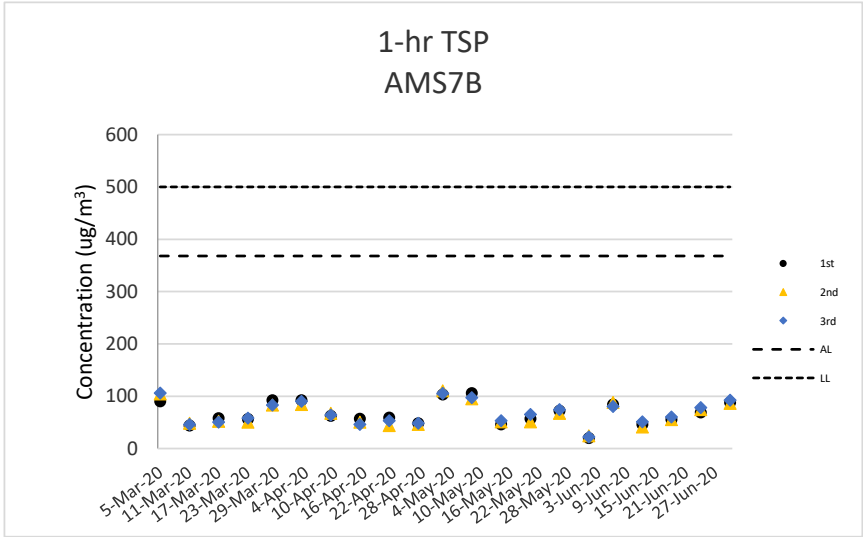
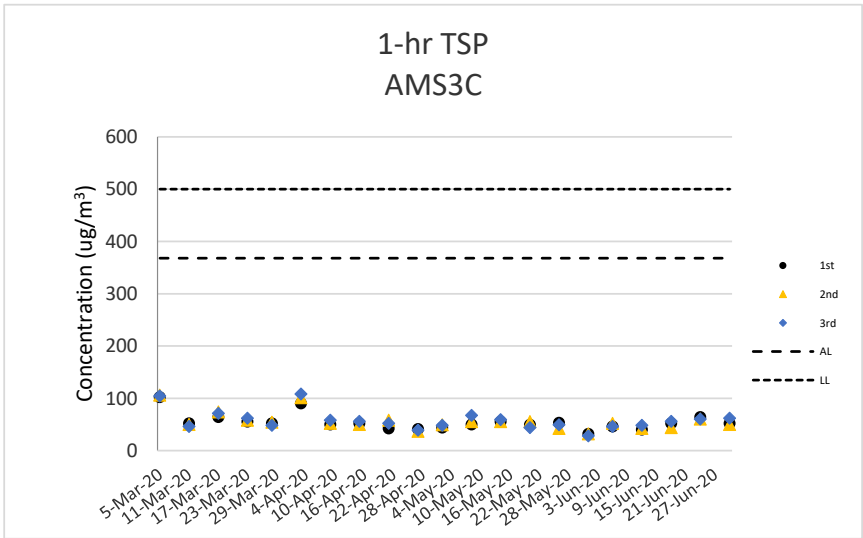
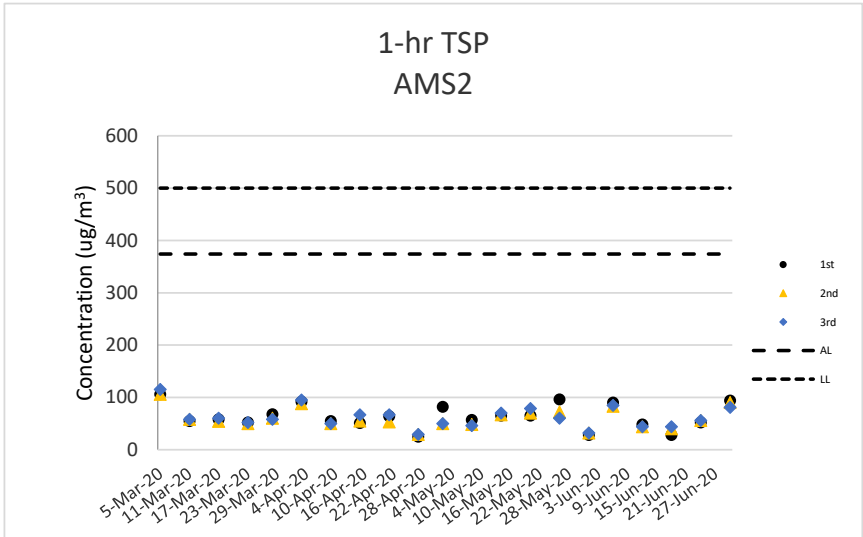
AMS7B - 3RS Site Offices

Date	Weather Condition	Start Time	1-hour TSP ($\mu\text{g}/\text{m}^3$)			Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
			1st Measurement	2nd Measurement	3rd Measurement		
1-Jun-20	Fine	11:15	20	24	22	370	500
6-Jun-20	Fine	08:39	84	88	80		
12-Jun-20	Fine	10:59	46	41	51		
18-Jun-20	Fine	09:02	55	55	60		
24-Jun-20	Cloudy	11:26	69	74	78		
30-Jun-20	Fine	09:09	88	86	92		
		Min	20				
		Max	92				
		Average	62				

Note:

Underline: Exceedance of Action Level

Underline and Bold: Exceedance of Limit Level



**24-hour TSP Monitoring Result for
Hong Kong-Zhuhai-Macao Bridge
Hong Kong Boundary Crossing Facilities – Phase 2 and Other Works**

AMS2 - Tung Chung Development Pier

Start Date	Weather Condition	Air Temperature (K)	Atmospheric Pressure, Pa (mmHg)	Filter Weight (g)		Particulate weight (g)	Sampling Time(hrs)	Flow Rate (m ³ /min.)		Average flow (m ³ /min.)	Total volume (m ³)	Conc. (ug/m ³)	Action Level (ug/m ³)	Limit Level (ug/m ³)
				Initial	Final			Initial	Final					
1-Jun-20	Fine	302.9	757.7	2.7095	2.7451	0.0356	24	1.24	1.25	1.24	1790.3	20	176	260
6-Jun-20	Fine	299.8	755.5	2.7538	2.7998	0.0460	24	1.55	1.56	1.56	2243.0	21		
12-Jun-20	Fine	303.4	754.1	2.7452	2.8006	0.0554	24	1.23	1.25	1.24	1787.5	31		
18-Jun-20	Fine	302.5	756.4	2.6952	2.7595	0.0643	24	1.24	1.25	1.24	1790.2	36		
24-Jun-20	Cloudy	303.4	754.9	2.7099	2.7729	0.0630	24	1.54	1.56	1.55	2235.9	28		
30-Jun-20	Fine	303.7	753.5	2.7227	2.7828	0.0601	24	1.23	1.25	1.24	1786.7	34		
											Min	20		
											Max	36		
											Average	28		

AMS3C - Ying Tung Estate Market Rooftop

Start Date	Weather Condition	Air Temperature (K)	Atmospheric Pressure, Pa (mmHg)	Filter Weight (g)		Particulate weight (g)	Sampling Time(hrs)	Flow Rate (m ³ /min.)		Average flow (m ³ /min.)	Total volume (m ³)	Conc. (ug/m ³)	Action Level (ug/m ³)	Limit Level (ug/m ³)
				Initial	Final			Initial	Final					
1-Jun-20	Fine	302.9	757.7	2.7088	2.7389	0.0301	24	1.08	1.09	1.09	1566.8	19	167	260
6-Jun-20	Fine	299.8	755.5	2.7424	2.7775	0.0351	24	1.09	1.09	1.09	1570.5	22		
12-Jun-20	Fine	303.4	754.1	2.7359	2.7706	0.0347	24	1.01	1.03	1.02	1468.0	24		
18-Jun-20	Fine	302.5	756.4	2.6808	2.7071	0.0263	24	1.01	1.03	1.02	1470.9	18		
24-Jun-20	Cloudy	303.4	754.9	2.7396	2.7798	0.0402	24	1.01	1.03	1.02	1468.5	27		
30-Jun-20	Fine	303.7	753.5	2.6989	2.7319	0.0330	24	1.08	1.09	1.09	1562.7	21		
											Min	18		
											Max	27		
											Average	22		

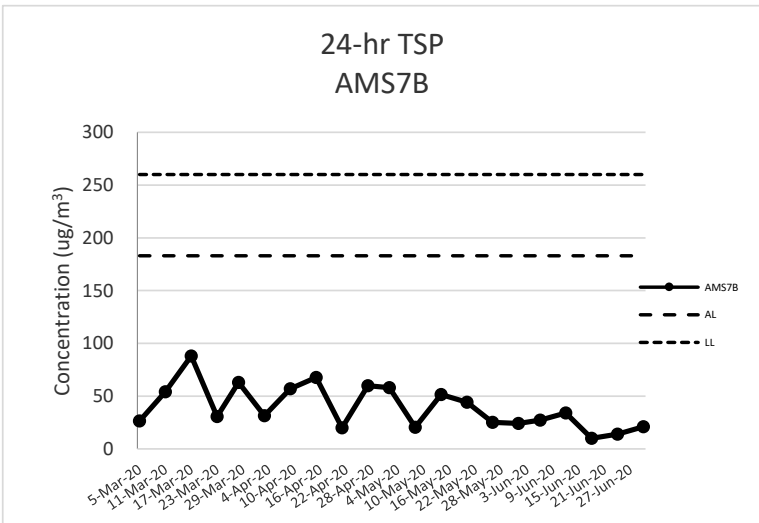
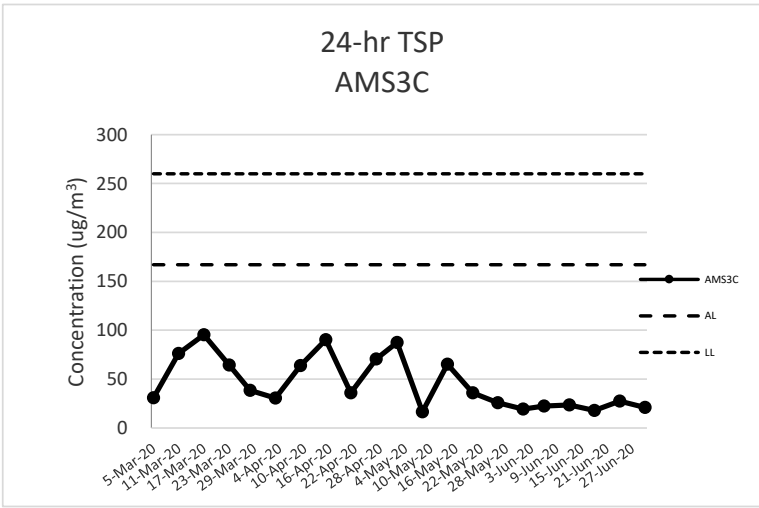
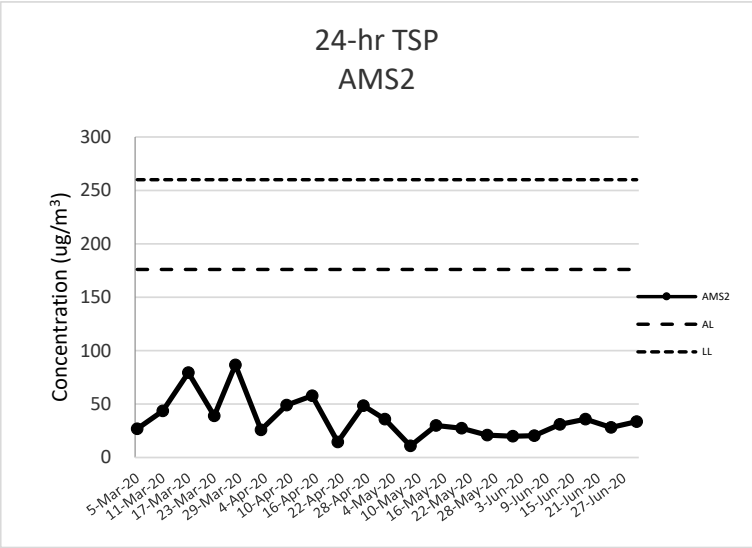
AMS7B - 3RS Site Offices

Start Date	Weather Condition	Air Temperature (K)	Atmospheric Pressure, Pa (mmHg)	Filter Weight (g)		Particulate weight (g)	Sampling Time(hrs)	Flow Rate (m ³ /min.)		Average flow (m ³ /min.)	Total volume (m ³)	Conc. (ug/m ³)	Action Level (ug/m ³)	Limit Level (ug/m ³)
				Initial	Final			Initial	Final					
1-Jun-20	Fine	302.9	757.7	2.7185	2.7683	0.0498	24	1.43	1.44	1.43	2064.0	24	183	260
6-Jun-20	Fine	299.8	755.5	2.7534	2.8096	0.0562	24	1.43	1.44	1.44	2067.9	27		
12-Jun-20	Fine	303.4	754.1	2.7802	2.8502	0.0700	24	1.42	1.44	1.43	2060.6	34		
18-Jun-20	Fine	302.5	756.4	2.6833	2.7040	0.0207	24	1.43	1.44	1.43	2063.8	10		
24-Jun-20	Cloudy	303.4	754.9	2.7285	2.7573	0.0288	24	1.42	1.44	1.43	2061.2	14		
30-Jun-20	Fine	303.7	753.5	2.7086	2.7519	0.0433	24	1.42	1.44	1.43	2059.7	21		
											Min	10		
											Max	34		
											Average	22		

Note:

Underline: Exceedance of Action Level

Underline and Bold: Exceedance of Limit Level



**Noise Impact Monitoring Result for
Hong Kong-Zhuhai-Macao Bridge
Hong Kong Boundary Crossing Facilities – Phase 2 and Other Works**

NMS2 - Seaview Crescent

Date	Start Time	L _{eq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
1-Jun-20	10:28	66	69	62	2.4	Fine	75
12-Jun-20	14:15	60	63	58	0.3	Fine	75
18-Jun-20	10:52	60	63	53	2.6	Fine	75
24-Jun-20	13:45	60	64	54	2.0	Cloudy	75
30-Jun-20	10:40	59	60	56	0.5	Fine	75
	Max	66					
	Min	59					

NMS3C - Ying Tung Estate Refuse Collection Point

Date	Start Time	L _{eq} 30min dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
1-Jun-20	12:10	65	69	62	0.8	Fine	70
12-Jun-20	11:20	65	67	62	0.4	Fine	70
18-Jun-20	09:46	66	69	57	0.2	Fine	70
24-Jun-20	12:05	66	72	59	0.4	Cloudy	70
30-Jun-20	09:55	64	66	63	0.0	Fine	70
	Max	66					
	Min	64					

Note:

NMS2: Façade Measurement

NMS3C: Free-field measurement (+3dB(A) correction has been applied), reduction to 65dB(A) during school examination periods will be applied.

No raining or wind with speed over 5 m/s was observed during noise monitoring according to the onsite observation.

