

**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					
5-Mar-20	Cloudy	291.2	764.6	2.6638	2.7126	0.0488	24	1.60	1.57	1.59	2284.4	27	176	260
11-Mar-20	Cloudy	292.2	763.3	2.7249	2.8245	0.0996	24	1.72	1.65	1.68	2426.1	44		
17-Mar-20	Cloudy	293.3	764.1	2.6984	2.8886	0.1902	24	1.67	1.65	1.66	2394.9	79		
23-Mar-20	Fine	297.6	760.7	2.6708	2.7637	0.0929	24	1.65	1.65	1.65	2381.1	39		
28-Mar-20	Fine	295.8	760.0	2.5380	2.7247	0.1867	24	1.42	1.57	1.50	2153.4	87		
													Max	87
													Average	55

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					
5-Mar-20	Cloudy	291.2	764.6	2.6671	2.7418	0.0747	24	1.70	1.67	1.68	2422.2	31	167	260
11-Mar-20	Cloudy	292.2	763.3	2.7199	2.8907	0.1708	24	1.57	1.55	1.56	2245.4	76		
17-Mar-20	Cloudy	293.3	764.1	2.7068	2.9371	0.2303	24	1.69	1.67	1.68	2416.8	95		
23-Mar-20	Fine	297.6	760.7	2.6611	2.8234	0.1623	24	1.75	1.75	1.75	2518.5	64		
28-Mar-20	Fine	295.8	760.0	2.6593	2.7345	0.0752	24	1.35	1.35	1.35	1946.9	39		
													Max	95
													Average	61

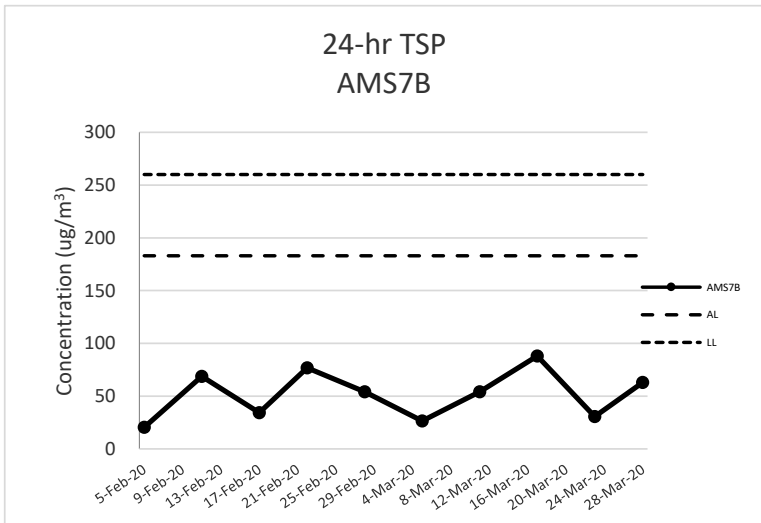
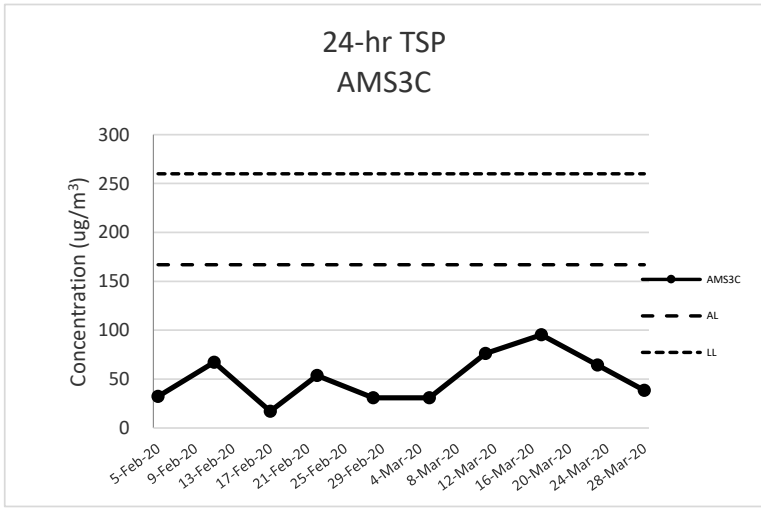
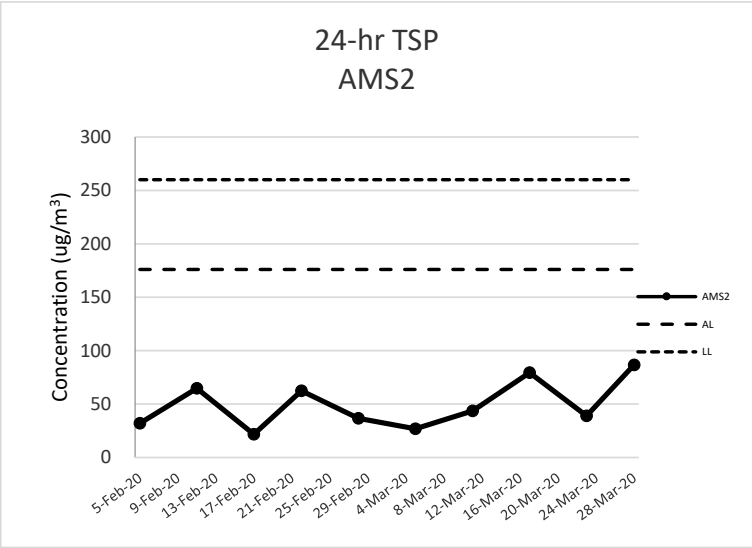
AMS7B - 3RS Site Offices

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					
5-Mar-20	Cloudy	291.2	764.6	2.6638	2.7126	0.0488	24	1.29	1.27	1.28	1839.0	27	183	260
11-Mar-20	Cloudy	292.2	763.3	2.7249	2.8245	0.0996	24	1.28	1.27	1.28	1836.5	54		
17-Mar-20	Cloudy	293.3	764.1	2.6897	2.8598	0.1701	24	1.35	1.33	1.34	1932.2	88		
23-Mar-20	Fine	297.6	760.7	2.6481	2.7039	0.0558	24	1.27	1.27	1.27	1825.9	31		
28-Mar-20	Fine	295.8	760.0	2.6782	2.7936	0.1154	24	1.27	1.27	1.27	1828.4	63		
													Max	88
													Average	52

Note:

Underline: Exceedance of Action Level

Underline and Bold: Exceedance of Limit Level



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		
5-Mar-20	Cloudy	10:42	106	106	115	374	500
11-Mar-20	Cloudy	09:47	55	58	58		
17-Mar-20	Cloudy	13:42	58	54	60		
23-Mar-20	Fine	13:22	52	50	52		
28-Mar-20	Fine	09:00	68	60	58		
		Min	50				
		Max	115				
		Average	67				

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		
5-Mar-20	Cloudy	10:55	102	106	104	368	500
11-Mar-20	Cloudy	10:04	52	50	46		
17-Mar-20	Cloudy	13:30	64	74	71		
23-Mar-20	Fine	14:20	55	58	62		
28-Mar-20	Fine	09:35	52	54	48		
		Min	46				
		Max	106				
		Average	67				

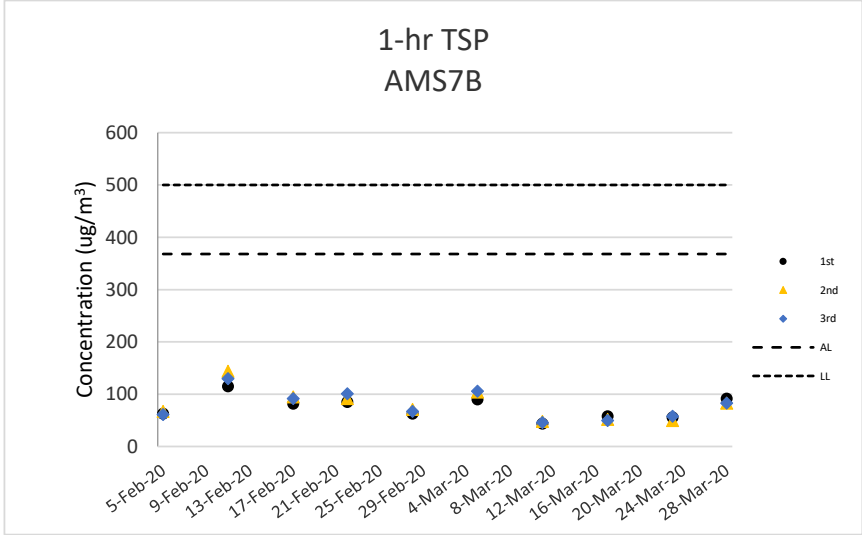
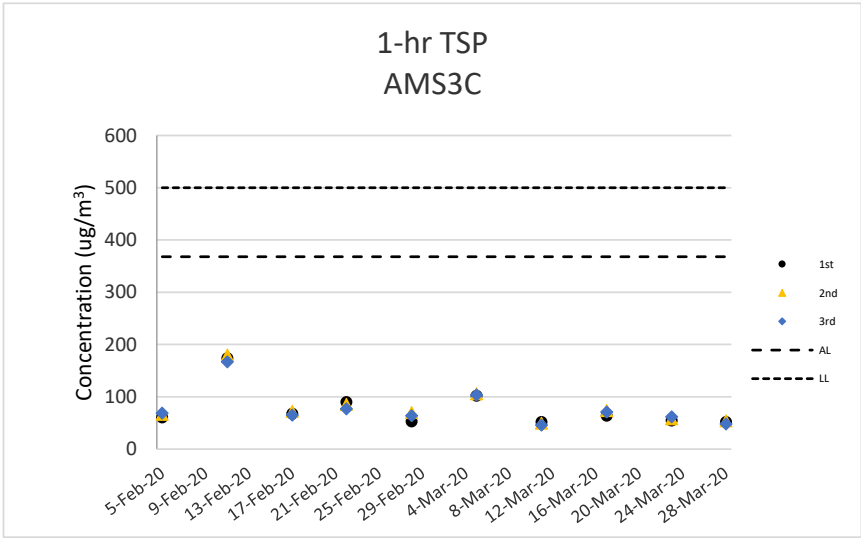
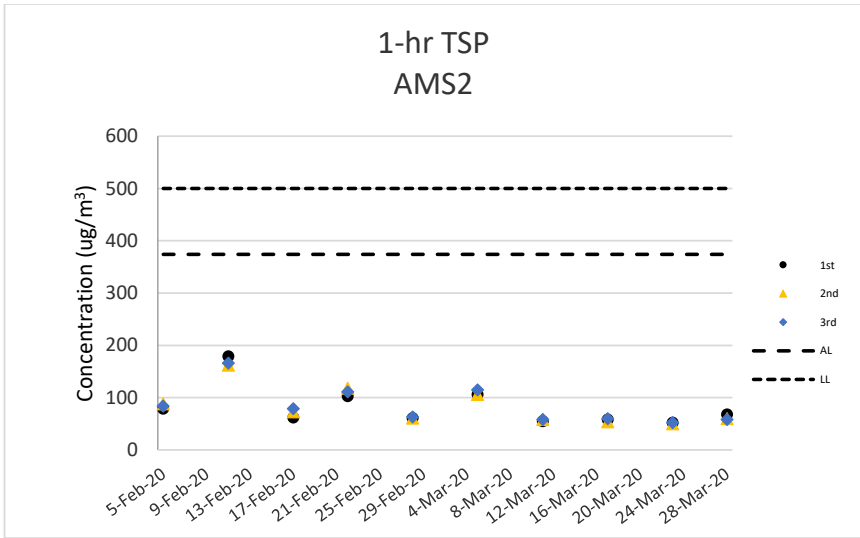
AMS7B - 3RS Site Offices

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		
5-Mar-20	Cloudy	10:30	90	104	106	370	500
11-Mar-20	Cloudy	09:32	44	48	46		
17-Mar-20	Cloudy	13:05	58	52	50		
23-Mar-20	Fine	13:47	56	50	58		
28-Mar-20	Fine	10:00	92	83	83		
		Min	44				
		Max	106				
		Average	68				

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)
5-Mar-20	11:48	62	65	58	3.0	Cloudy	75
11-Mar-20	11:47	54	56	53	2.4	Cloudy	75
17-Mar-20	14:17	57	58	48	2.7	Cloudy	75
23-Mar-20	15:07	62	65	57	4.0	Fine	75
	Max	62					
	Min	54					

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)
5-Mar-20	10:59	64	66	61	2.8	Cloudy	70
11-Mar-20	10:04	66	67	63	2.3	Cloudy	70
17-Mar-20	13:30	68	71	56	1.7	Cloudy	70
23-Mar-20	14:20	68	70	60	2.2	Fine	70
	Max	68					
	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.

