

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		
3-Apr-20	Cloudy	14:18	92	88	95	374	500
9-Apr-20	Fine	13:27	55	50	50		
15-Apr-20	Fine	13:40	51	55	67		
21-Apr-20	Fine	08:30	64	53	67		
27-Apr-20	Fine	11:15	25	29	29		
Min			25				
Max			95				
Average			58				

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		
3-Apr-20	Cloudy	13:35	90	101	108	368	500
9-Apr-20	Fine	13:58	50	52	58		
15-Apr-20	Fine	14:10	52	50	56		
21-Apr-20	Fine	10:25	42	58	52		
27-Apr-20	Fine	11:30	41	37	39		
Min			37				
Max			108				
Average			59				

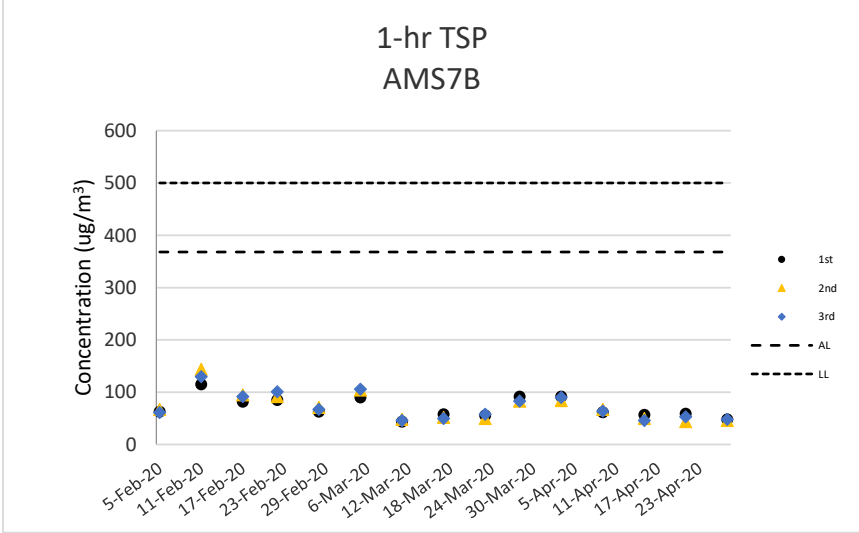
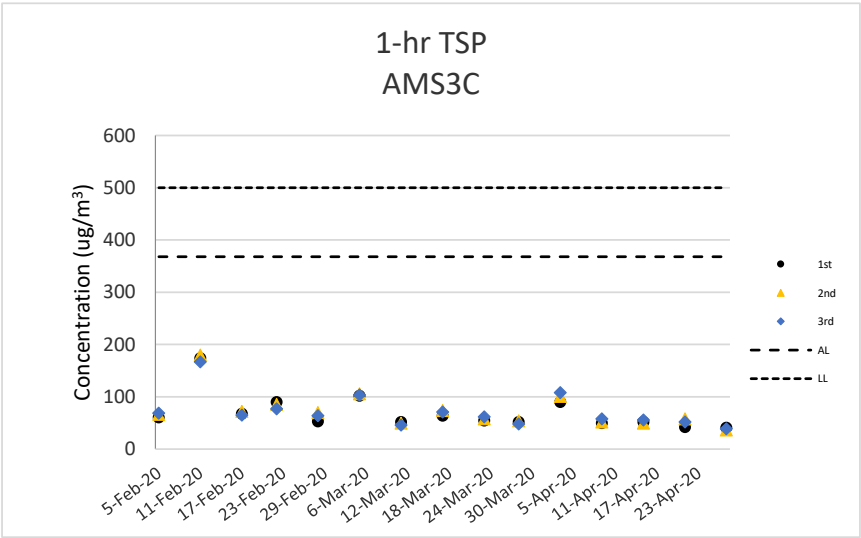
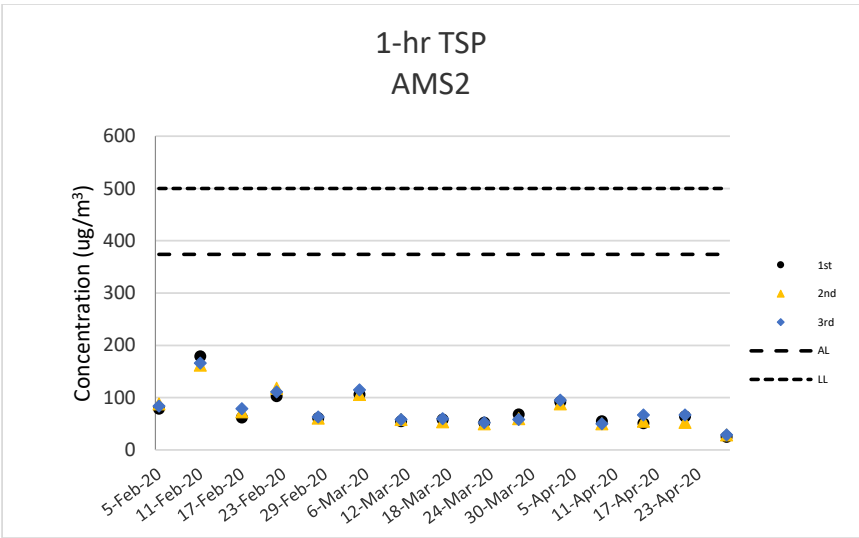
AMS7B - 3RS Site Offices

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		
3-Apr-20	Cloudy	13:17	92	84	90	370	500
9-Apr-20	Fine	13:42	62	67	64		
15-Apr-20	Fine	13:52	57	50	46		
21-Apr-20	Fine	09:00	59	44	53		
27-Apr-20	Fine	10:55	48	46	48		
Min			44				
Max			92				
Average			61				

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 (m³/min.)		Average flow (m³/min.)	Total volume (m³)	Conc. (ug/m³)	Action Level (ug/m³)	Limit Level (ug/m³)
				Initial	Final			Initial	Final					
3-Apr-20	Cloudy	293.4	763.0	2.6795	2.7263	0.0468	24	1.27	1.25	1.26	1813.7	26	176	260
9-Apr-20	Fine	294.6	763.2	2.7311	2.8312	0.1001	24	1.43	1.41	1.42	2043.2	49		
15-Apr-20	Fine	295.2	761.6	2.6976	2.8086	0.1110	24	1.34	1.33	1.34	1924.9	58		
21-Apr-20	Fine	299.7	759.4	2.6689	2.6950	0.0261	24	1.25	1.25	1.25	1798.7	15		
27-Apr-20	Fine	297.4	762.9	2.6703	2.7577	0.0874	24	1.26	1.25	1.25	1805.8	48		
											Min	15		
											Max	58		
											Average	39		

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 (m³/min.)		Average flow (m³/min.)	Total volume (m³)	Conc. (ug/m³)	Action Level (ug/m³)	Limit Level (ug/m³)
				Initial	Final			Initial	Final					
3-Apr-20	Cloudy	293.4	763.0	2.6621	2.7219	0.0598	24	1.36	1.35	1.36	1953.8	31	167	260
9-Apr-20	Fine	294.6	763.2	2.7209	2.8527	0.1318	24	1.44	1.43	1.44	2066.9	64		
15-Apr-20	Fine	295.2	761.6	2.6860	2.8721	0.1861	24	1.44	1.43	1.43	2064.4	90		
21-Apr-20	Fine	299.7	759.4	2.6646	2.7344	0.0698	24	1.34	1.35	1.35	1938.9	36		
27-Apr-20	Fine	297.4	762.9	2.6903	2.8275	0.1372	24	1.35	1.35	1.35	1945.9	71		
											Min	31		
											Max	90		
											Average	58		

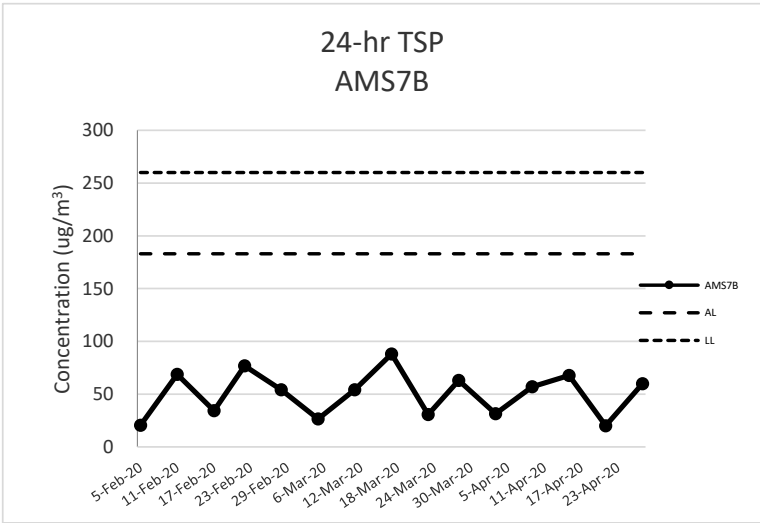
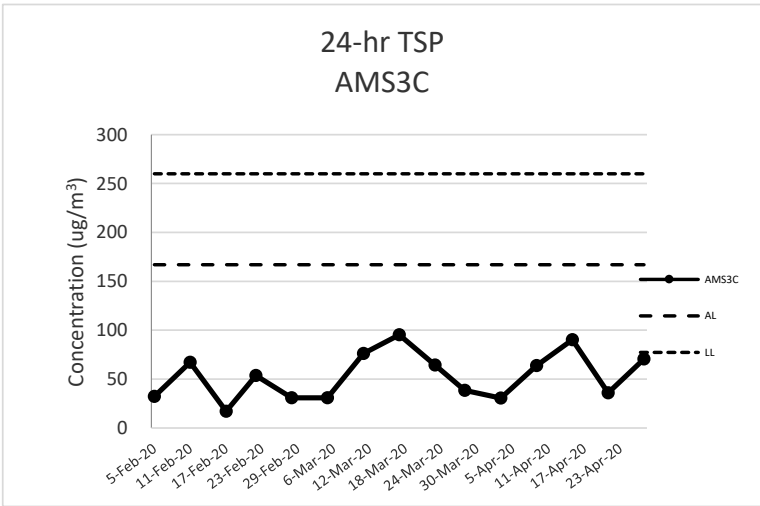
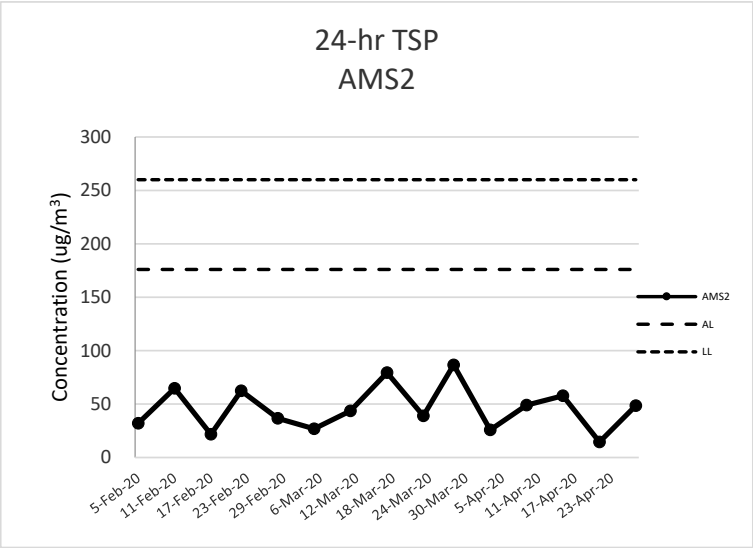
AMS7B - 3RS Site Offices

Start Date	Weather Condition	Air Temperature (K)	Atmospheric Pressure, Pa (mmHg)	Filter Weight (g)		Particulate weight (g)	Sampling Time(hrs)	Flow Rate (m³/min.)		Average flow (m³/min.)	Total volume (m³)	Conc. (ug/m³)	Action Level (ug/m³)	Limit Level (ug/m³)
				Initial	Final			Initial	Final					
3-Apr-20	Cloudy	293.4	763.0	2.6822	2.7521	0.0699	24	1.55	1.54	1.54	2222.5	31	183	260
9-Apr-20	Fine	294.6	763.2	2.6928	2.7972	0.1044	24	1.28	1.27	1.27	1832.4	57		
15-Apr-20	Fine	295.2	761.6	2.6878	2.8444	0.1566	24	1.61	1.60	1.61	2314.8	68		
21-Apr-20	Fine	299.7	759.4	2.6551	2.6917	0.0366	24	1.26	1.27	1.27	1821.7	20		
27-Apr-20	Fine	297.4	762.9	2.6900	2.8285	0.1385	24	1.61	1.60	1.61	2311.3	60		
											Min	20		
											Max	68		
											Average	47		

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)
3-Apr-20	14:41	62	64	57	0.7	Cloudy	75
9-Apr-20	15:00	61	64	58	1.2	Fine	75
15-Apr-20	14:59	62	64	60	1.7	Fine	75
21-Apr-20	09:30	61	62	58	1.0	Fine	75
27-Apr-20	13:41	63	64	54	1.0	Fine	75
	Max	63					
	Min	61					

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)
3-Apr-20	13:35	68	70	61	1.2	Cloudy	70
9-Apr-20	14:02	69	74	67	0.4	Fine	70
15-Apr-20	14:12	67	69	65	0.3	Fine	70
21-Apr-20	10:19	65	68	63	0.4	Fine	70
27-Apr-20	11:36	64	66	56	0.4	Fine	65
	Max	69					
	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.

Ho Yu College was served as the examination centre for Hong Kong Diploma of Secondary Education Examination (HKDSE) on 27 April 2020. Therefore, the Limit Level of NMS3C was 65 dB (A) on 27 April 2020.

