

**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-Mar-21	Fine	295.1	762.2	2.7004	2.7994	0.0990	24	1.57	1.56	1.56	2250.5	44	176	260	
6-Mar-21	Fine	293.7	762.3	2.6579	2.7518	0.0939	24	1.57	1.56	1.56	2252.6	42			
12-Mar-21	Fine	296.4	763.9	2.6754	2.7824	0.1070	24	1.68	1.67	1.68	2416.5	44			
18-Mar-21	Fine	296.6	760.0	2.6840	2.7687	0.0847	24	1.56	1.56	1.56	2247.2	38			
24-Mar-21	Fine	293.9	762.4	2.6948	2.9450	0.2502	24	1.57	1.56	1.56	2252.3	111			
30-Mar-21	Fine	299.8	754.7	2.7396	2.7918	0.0522	24	1.55	1.56	1.56	2239.8	23			
												Min	23		
												Max	111		
												Average	50		

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-Mar-21	Fine	295.1	762.2	2.7042	2.7928	0.0886	24	1.42	1.41	1.42	2040.6	43	167	260	
6-Mar-21	Fine	293.7	762.3	2.7173	2.7935	0.0762	24	1.43	1.41	1.42	2043.3	37			
12-Mar-21	Fine	296.4	763.9	2.6759	2.7722	0.0963	24	1.57	1.56	1.56	2253.2	43			
18-Mar-21	Fine	296.6	760.0	2.6787	2.7638	0.0851	24	1.42	1.41	1.41	2036.4	42			
24-Mar-21	Fine	293.9	762.4	2.6934	2.8919	0.1985	24	1.43	1.41	1.42	2043.0	97			
30-Mar-21	Fine	299.8	754.7	2.7207	2.7772	0.0565	24	1.40	1.41	1.41	2026.9	28			
												Min	28		
												Max	97		
												Average	48		

AMS7B - 3RS Site Offices

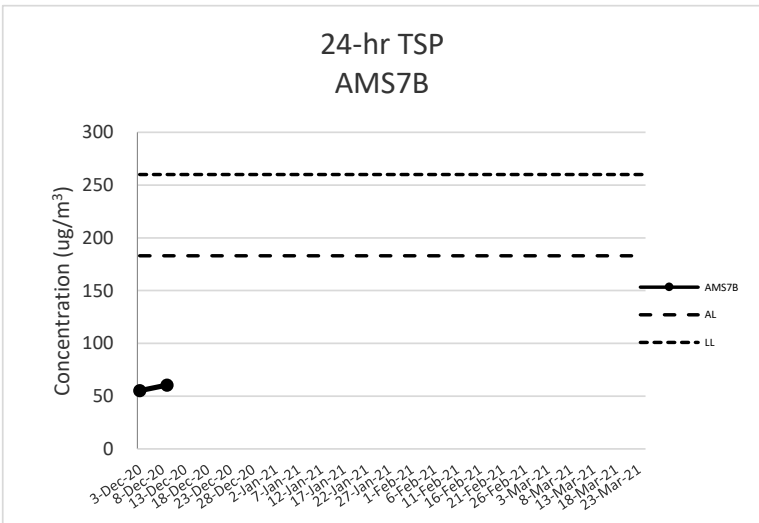
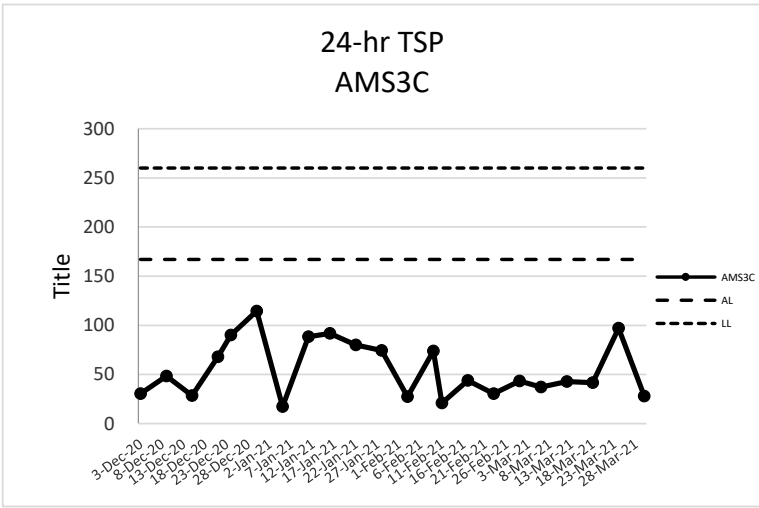
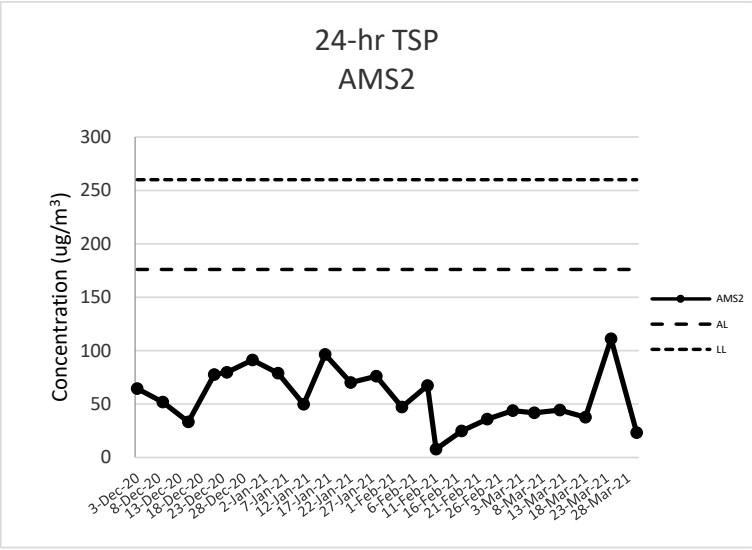
Start Date	Weather Condition	Air Temperature (K)	Atmospheric Pressure, Pa (mmHg)	Filter Weight (g)		Particulate weight (g)	Sampling Time(hrs)	Flow Rate (m ³ /min.)		Average flow (m ³ /min.)	Total volume (m ³)	Conc. (ug/m ³)	Action Level (ug/m ³)	Limit Level (ug/m ³)	
				Initial	Final			Initial	Final						
													183	260	
												Min			
												Max			
												Average			

Note:

Underline: Exceedance of Action Level

Underline and Bold: Exceedance of Limit Level

Air quality monitoring location AMS7B was temporary suspended, effective from 10 December 2020.



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 (ug/m^3)	Limit Level (ug/m^3)
			1st Measurement	2nd Measurement	3rd Measurement		
1-Mar-21	Fine	09:00	48	52	46	374	500
6-Mar-21	Fine	09:25	50	40	52		
12-Mar-21	Fine	09:00	56	60	50		
18-Mar-21	Fine	13:13	54	50	56		
24-Mar-21	Fine	09:00	54	48	48		
30-Mar-21	Fine	09:27	62	70	64		
		Min	40				
		Max	70				
		Average	53				

AMS3C - Ying Tung Estate Market Rooftop

Date	Weather Condition	Start Time	1-hour TSP ($\mu\text{g}/\text{m}^3$)			Action Level (ug/m^3)	Limit Level (ug/m^3)
			1st Measurement	2nd Measurement	3rd Measurement		
1-Mar-21	Fine	09:55	58	54	58	368	500
6-Mar-21	Fine	09:00	62	50	66		
12-Mar-21	Fine	09:30	60	72	78		
18-Mar-21	Fine	13:25	52	58	58		
24-Mar-21	Fine	09:36	66	82	86		
30-Mar-21	Fine	09:50	90	94	94		
		Min	50				
		Max	94				
		Average	69				

AMS7B - 3RS Site Offices

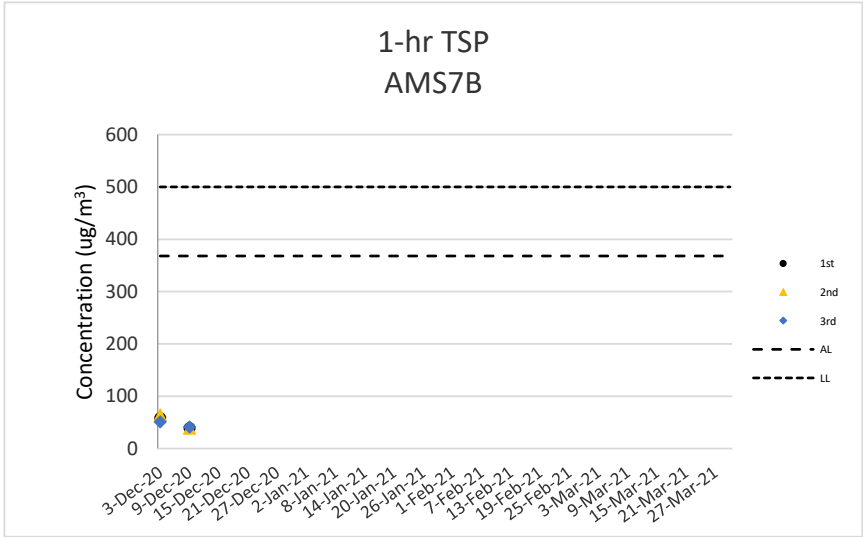
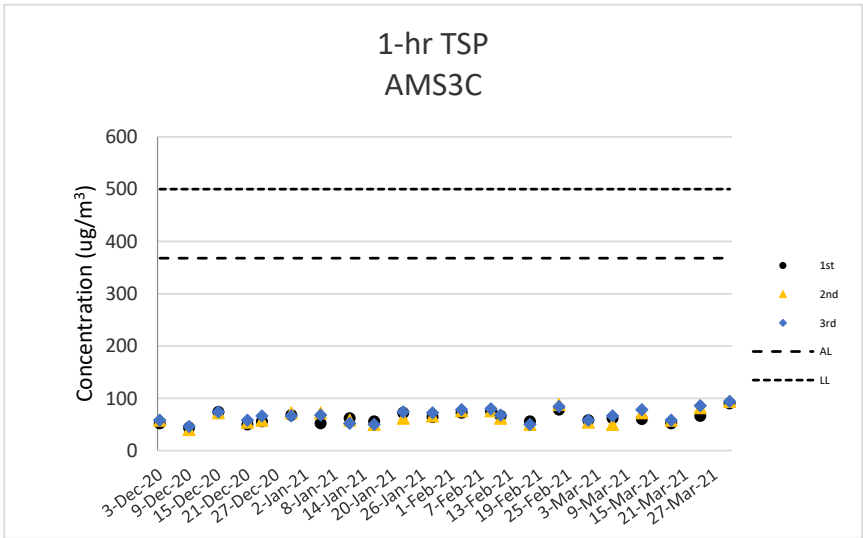
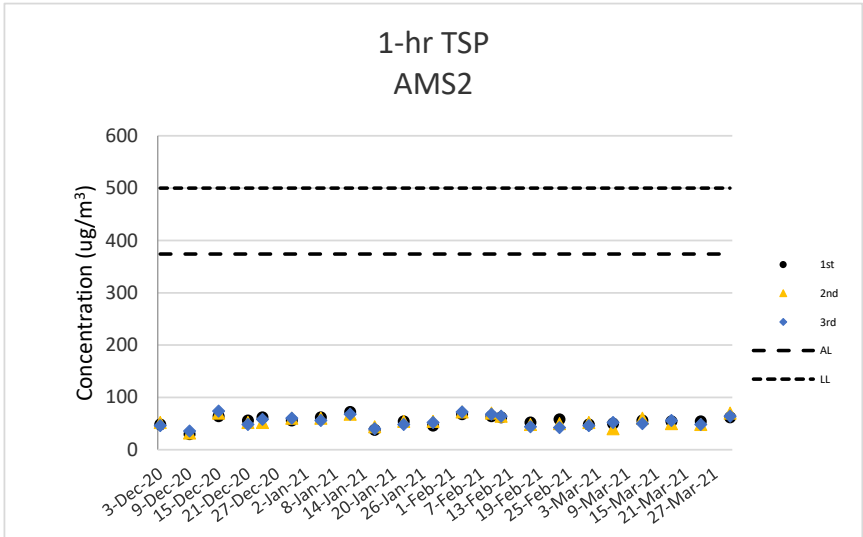
Date	Weather Condition	Start Time	1-hour TSP ($\mu\text{g}/\text{m}^3$)			Action Level (ug/m^3)	Limit Level (ug/m^3)
			1st Measurement	2nd Measurement	3rd Measurement		
						370	500
		Min					
		Max					
		Average					

Note:

Underline: Exceedance of Action Level

Underline and Bold: Exceedance of Limit Level

Air quality monitoring location AMS7B was temporary suspended, effective from 10 December 2020.



**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-Mar-21	10:00	63	64	58	1.3	Fine	75
12-Mar-21	10:59	65	68	60	1.0	Fine	75
18-Mar-21	14:08	62	65	60	1.2	Fine	75
24-Mar-21	10:41	67	70	63	0.7	Fine	75
30-Mar-21	11:08	65	68	61	0.7	Fine	75
	Max	67					
	Min	62					

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-Mar-21	09:20	67	70	62	0.6	Fine	70
12-Mar-21	10:09	68	70	65	0.3	Fine	70
18-Mar-21	13:22	68	71	66	0.5	Fine	70
24-Mar-21	10:00	68	69	65	0.2	Fine	65
30-Mar-21	10:10	64	68	63	0.0	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.

