

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-Feb-21	Fine	11:45	68	72	72	374	500
9-Feb-21	Fine	11:48	64	70	68		
11-Feb-21	Fine	11:45	62	64	64		
17-Feb-21	Fine	09:32	52	48	44		
23-Feb-21	Fine	08:55	58	50	42		
Min			42				
Max			72				
Average			60				

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-Feb-21	Fine	11:56	72	76	78	368	500
9-Feb-21	Fine	12:00	76	76	80		
11-Feb-21	Fine	12:05	66	62	68		
17-Feb-21	Fine	11:24	56	50	50		
23-Feb-21	Fine	09:19	78	88	84		
Min			50				
Max			88				
Average			71				

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		
						370	500
Min							
Max							
Average							

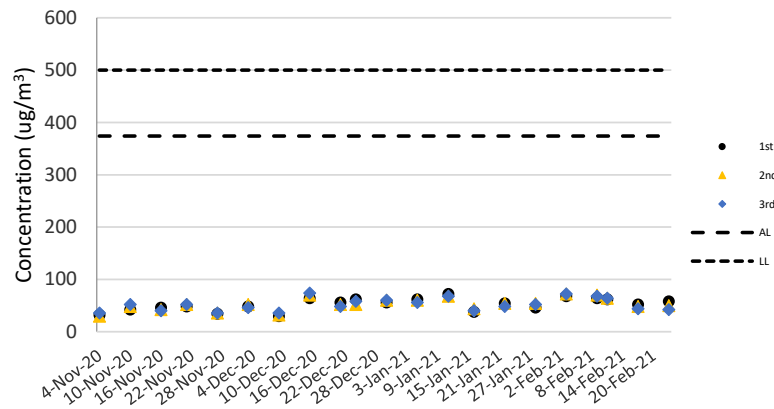
Note:

Underline: Exceedance of Action Level

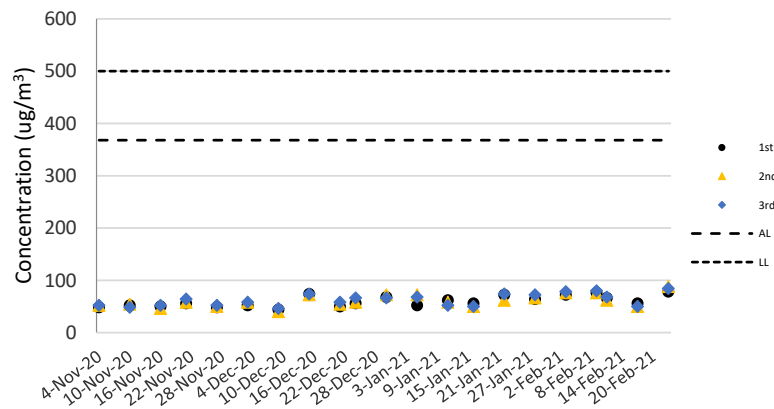
Underline and Bold: Exceedance of Limit Level

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

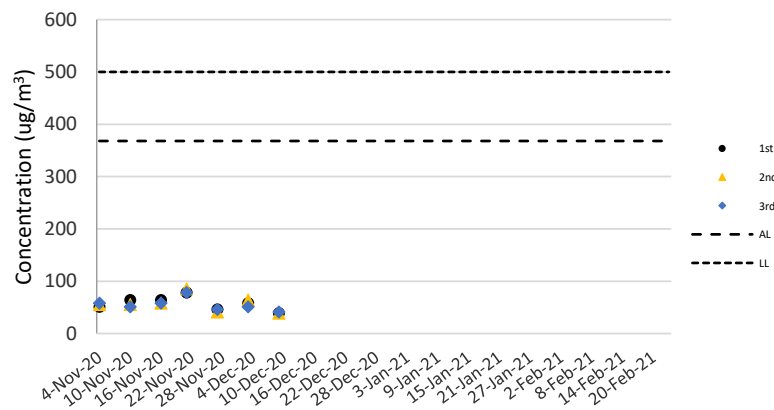
1-hr TSP AMS2



1-hr TSP AMS3C



1-hr TSP AMS7B



**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-Feb-21	Fine	291.9	766.6	2.6505	2.7569	0.1064	24	1.58	1.56	1.57	2257.5	47	176	260
9-Feb-21	Fine	292.0	763.2	2.6678	2.8197	0.1519	24	1.57	1.56	1.57	2255.5	67		
11-Feb-21	Fine	290.9	761.1	2.7120	2.7310	0.0190	24	1.69	1.67	1.68	2423.5	8		
17-Feb-21	Fine	293.9	764.8	2.6658	2.7220	0.0562	24	1.57	1.56	1.57	2253.6	25		
23-Feb-21	Fine	295.2	761.3	2.6876	2.7683	0.0807	24	1.57	1.56	1.56	2249.9	36		
											Min	8		
											Max	67		
											Average	37		

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-Feb-21	Fine	291.9	766.6	2.6236	2.6797	0.0561	24	1.43	1.41	1.42	2049.6	27	167	260
9-Feb-21	Fine	292.0	763.2	2.6636	2.8146	0.1510	24	1.43	1.41	1.42	2047.0	74		
11-Feb-21	Fine	290.9	761.1	2.7061	2.7534	0.0473	24	1.58	1.56	1.57	2262.1	21		
17-Feb-21	Fine	293.9	764.8	2.6776	2.7671	0.0895	24	1.43	1.41	1.42	2044.6	44		
23-Feb-21	Fine	295.2	761.3	2.7015	2.7639	0.0624	24	1.42	1.41	1.42	2039.8	31		
											Min	21		
											Max	74		
											Average	39		

AMS7B - 3RS Site Offices

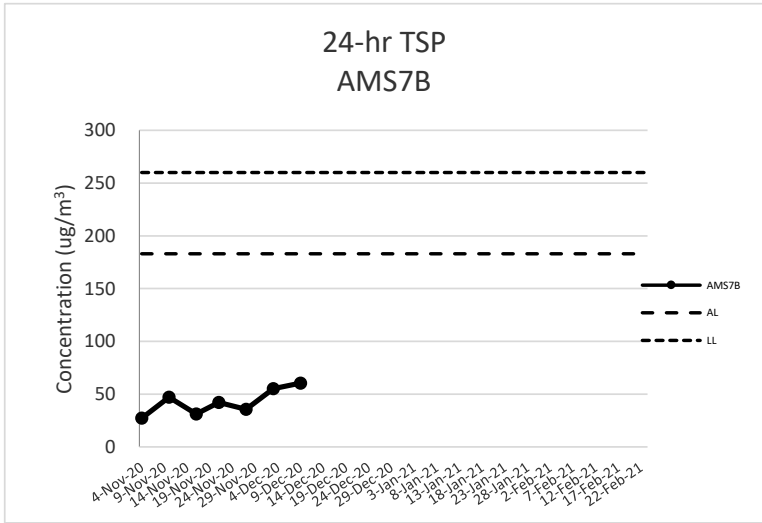
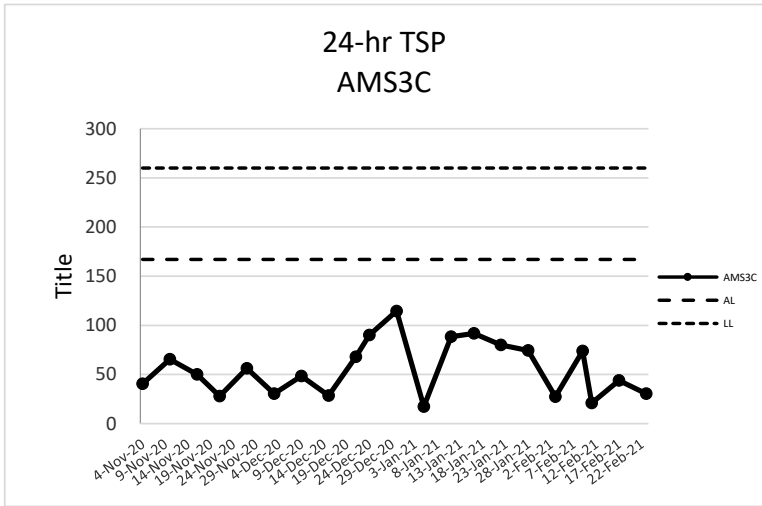
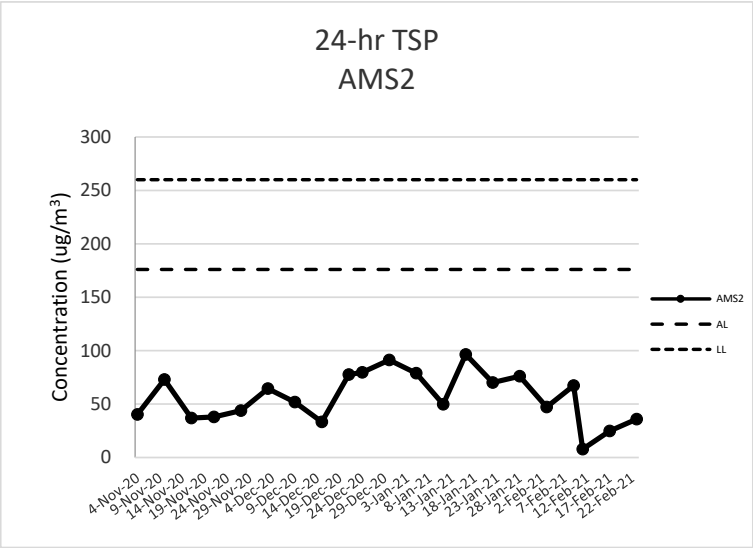
Start Date	Weather Condition	Air Temperature (K)	Atmospheric Pressure, Pa (mmHg)	Filter Weight (g)		Particulate weight (g)	Sampling Time(hrs)	Flow Rate (m³/min.)		Average flow (m³/min.)	Total volume (m³)	Conc. (ug/m³)	Action Level (ug/m³)	Limit Level (ug/m³)
				Initial	Final			Initial	Final					
													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.



**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-Feb-21	13:04	58	63	56	0.9	Fine	75
9-Feb-21	13:11	58	63	56	1.0	Fine	75
17-Feb-21	10:30	64	62	68	1.3	Fine	75
23-Feb-21	10:30	64	62	66	1.0	Fine	75
	Max	64					
	Min	58					

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-Feb-21	12:03	67	69	62	0.6	Fine	65
9-Feb-21	12:14	67	69	62	0.5	Fine	70
17-Feb-21	11:10	70	66	71	0.4	Fine	70
23-Feb-21	09:37	65	63	66	0.4	Fine	65
	Max	70					
	Min	65					

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.

