

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		
5-Jan-21	Fine	09:00	62	60	56	374	500
11-Jan-21	Fine	09:07	72	68	68		
16-Jan-21	Fine	08:59	38	44	40		
22-Jan-21	Fine	10:43	54	54	48		
28-Jan-21	Fine	10:30	46	54	52		
Min			38				
Max			72				
Average			54				

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		
5-Jan-21	Fine	09:34	52	72	68	368	500
11-Jan-21	Fine	09:29	62	58	52		
16-Jan-21	Fine	08:46	56	50	50		
22-Jan-21	Fine	10:55	72	62	74		
28-Jan-21	Fine	10:41	64	66	72		
Min			50				
Max			74				
Average			62				

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							

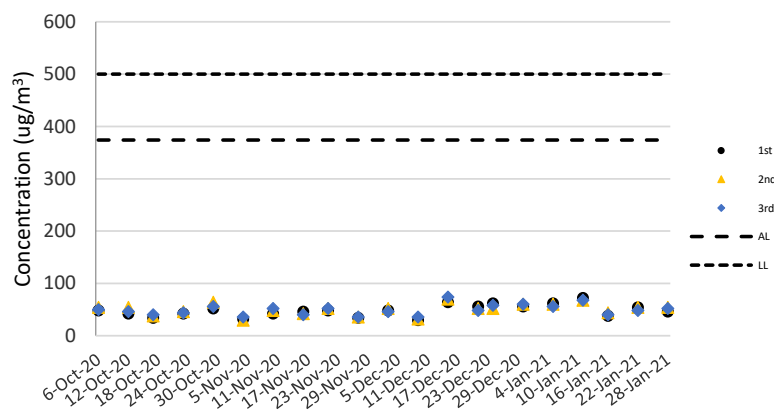
Note:

Underline: Exceedance of Action Level

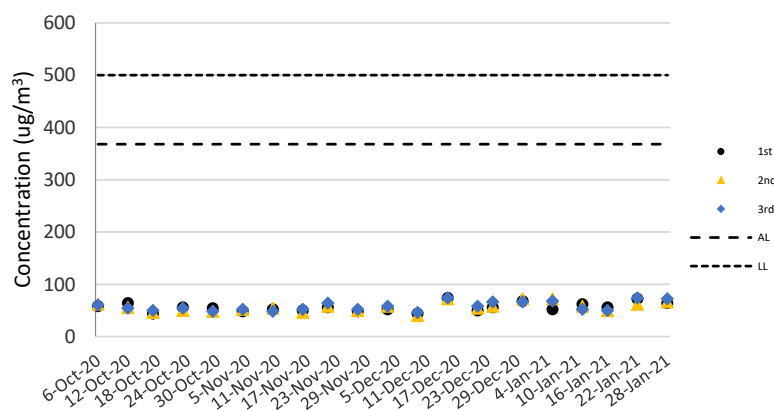
Underline and Bold: Exceedance of Limit Level

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

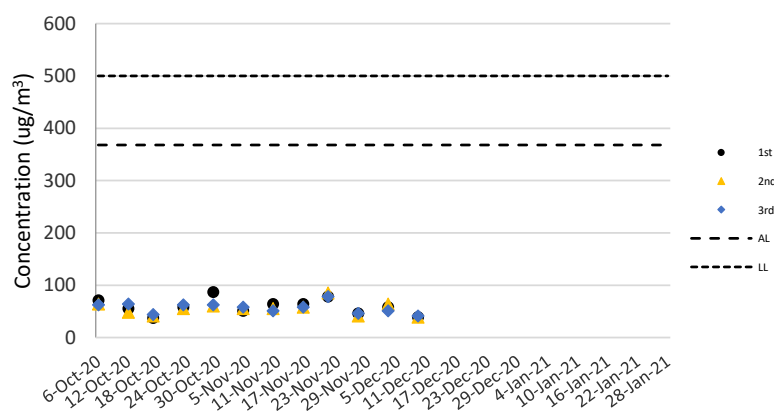
1-hr TSP AMS2



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					
5-Jan-21	Fine	292.0	765.1	2.6143	2.7924	0.1781	24	1.58	1.56	1.57	2256.6	79	176	260
11-Jan-21	Fine	283.8	769.4	2.7034	2.8163	0.1129	24	1.60	1.56	1.58	2271.1	50		
16-Jan-21	Fine	290.8	763.1	2.7058	2.9399	0.2341	24	1.69	1.67	1.68	2425.0	97		
22-Jan-21	Fine	293.5	760.1	2.6531	2.8110	0.1579	24	1.57	1.56	1.56	2251.7	70		
28-Jan-21	Fine	292.3	765.6	2.6284	2.7998	0.1714	24	1.57	1.56	1.57	2256.4	76		
											Min	50		
											Max	97		
											Average	74		

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-Jan-21	Fine	292.0	765.1	2.6248	2.6603	0.0355	24	1.43	1.41	1.42	2048.5	17	167	260	
11-Jan-21	Fine	283.8	769.4	2.7299	2.9125	0.1826	24	1.46	1.41	1.44	2067.0	88			
16-Jan-21	Fine	290.8	763.1	2.6871	2.8949	0.2078	24	1.58	1.56	1.57	2264.0	92			
22-Jan-21	Fine	293.5	760.1	2.6531	2.8162	0.1631	24	1.42	1.41	1.42	2042.2	80			
28-Jan-21	Fine	292.3	765.6	2.6649	2.8173	0.1524	24	1.43	1.41	1.42	2048.2	74			
												Min	17		
												Max	92		
												Average	70		

AMS7B - 3RS Site Offices

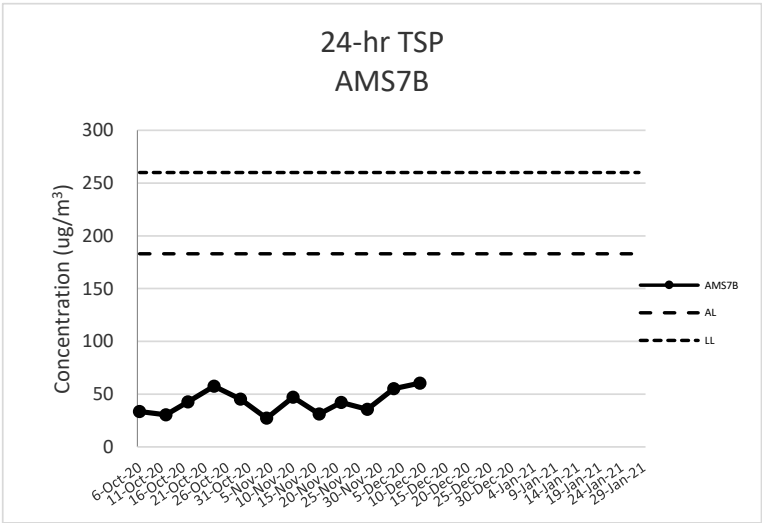
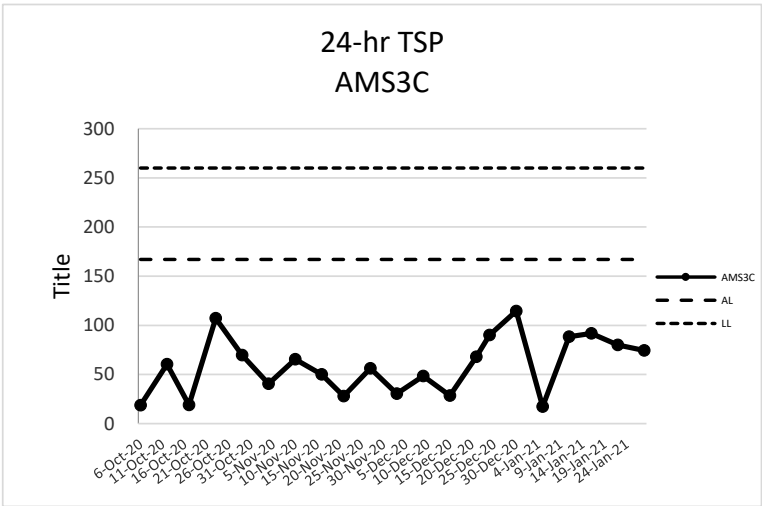
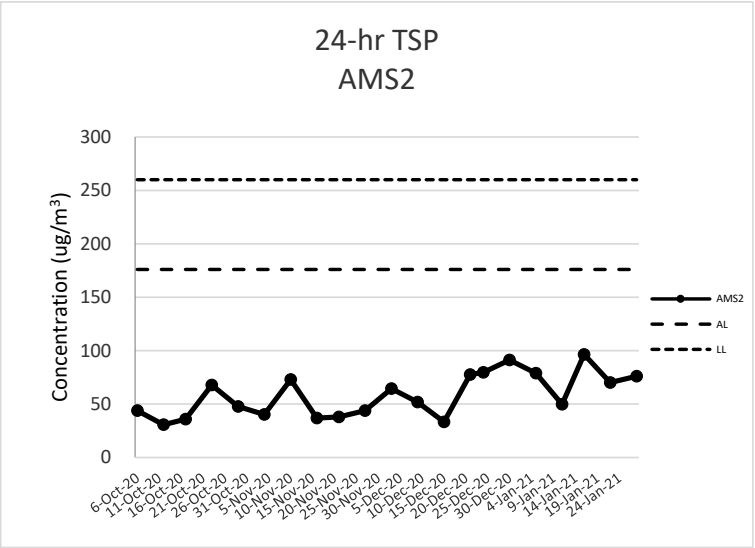
Start Date	Weather Condition	Air Temperature (K)	Atmospheric Pressure, Pa (mmHg)	Filter Weight (g)		Particulate weight (g)	Sampling Time(hrs)	Flow Rate (m³/min.)		Average flow (m³/min.)	Total volume (m³)	Conc. (ug/m³)	Action Level (ug/m³)	Limit Level (ug/m³)
				Initial	Final			Initial	Final					
													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)
5-Jan-21	10:49	65	63	68	0.5	Fine	75
11-Jan-21	10:38	64	61	66	0.8	Fine	75
22-Jan-21	12:03	59	56	63	1.2	Fine	75
28-Jan-21	11:59	63	58	65	0.9	Fine	75
	Max	65					
	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)
5-Jan-21	09:38	66	64	68	0.0	Fine	70
11-Jan-21	09:35	65	63	67	0.0	Fine	70
22-Jan-21	10:58	67	64	68	0.6	Fine	70
28-Jan-21	10:43	67	66	69	0.2	Fine	70
	Max	67					
	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.

