

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		
4-Nov-20	Fine	09:17	32	30	36	374	500
10-Nov-20	Fine	11:38	42	48	52		
16-Nov-20	Fine	09:39	46	42	40		
21-Nov-20	Fine	12:01	48	52	52		
27-Nov-20	Fine	09:20	34	36	36		
Min			30				
Max			52				
Average			42				

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		
4-Nov-20	Fine	09:32	48	52	52	368	500
10-Nov-20	Fine	11:55	52	54	48		
16-Nov-20	Fine	09:18	50	46	52		
21-Nov-20	Fine	12:16	56	58	64		
27-Nov-20	Fine	09:35	48	50	52		
Min			46				
Max			64				
Average			52				

AMS7B - 3RS Site Offices

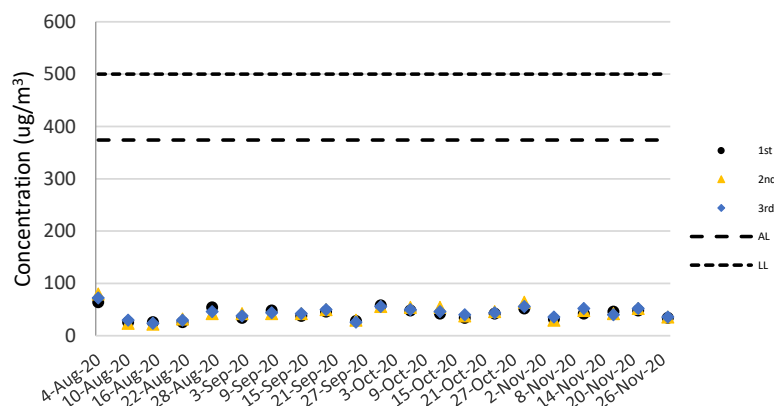
Date	Weather Condition	Start Time	1-hour TSP ($\mu\text{g}/\text{m}^3$)			Action Level (ug/m^3)	Limit Level (ug/m^3)
			1st Measurement	2nd Measurement	3rd Measurement		
4-Nov-20	Fine	09:08	51	55	58	370	500
10-Nov-20	Fine	11:20	64	55	51		
16-Nov-20	Fine	09:00	64	58	58		
21-Nov-20	Fine	11:44	78	85	78		
27-Nov-20	Fine	09:05	46	41	46		
Min			41				
Max			85				
Average			59				

Note:

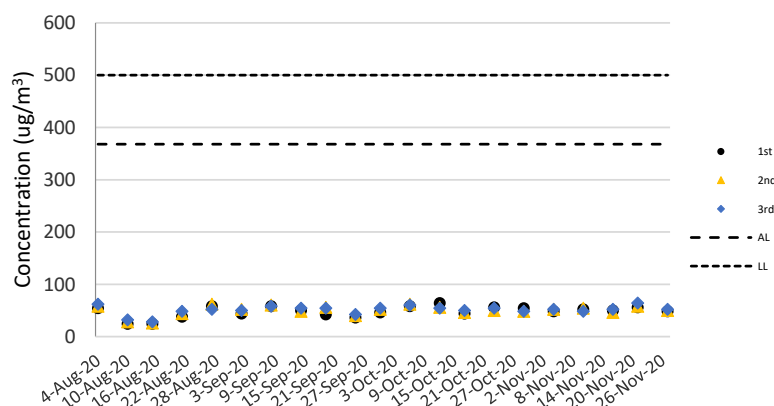
Underline: Exceedance of Action Level

Underline and Bold: Exceedance of Limit Level

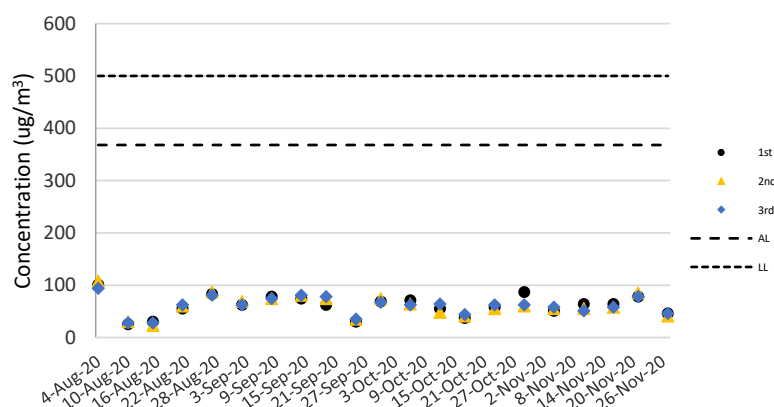
1-hr TSP AMS2



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					
4-Nov-20	Fine	296.0	763.2	2.6155	2.7060	0.0905	24	1.57	1.56	1.56	2249.8	40	176	260
10-Nov-20	Fine	295.9	764.5	2.6757	2.8399	0.1642	24	1.57	1.56	1.56	2250.7	73		
16-Nov-20	Fine	297.0	763.5	2.7062	2.7894	0.0832	24	1.56	1.56	1.56	2248.5	37		
21-Nov-20	Fine	296.5	761.2	2.7124	2.8043	0.0919	24	1.68	1.67	1.68	2414.7	38		
27-Nov-20	Fine	295.8	765.5	2.6847	2.7832	0.0985	24	1.57	1.56	1.56	2251.3	44		
											Min	37		
											Max	73		
											Average	46		

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					
4-Nov-20	Fine	296.0	763.2	2.6118	2.6947	0.0829	24	1.42	1.41	1.42	2039.7	41	167	260
10-Nov-20	Fine	295.9	764.5	2.6040	2.7378	0.1338	24	1.42	1.41	1.42	2040.8	66		
16-Nov-20	Fine	297.0	763.5	2.6917	2.7938	0.1021	24	1.42	1.41	1.42	2038.1	50		
21-Nov-20	Fine	296.5	761.2	2.7135	2.7883	0.0748	24	1.86	1.86	1.86	2677.8	28		
27-Nov-20	Fine	295.8	765.5	2.6558	2.7764	0.1206	24	1.50	1.49	1.49	2148.6	56		
											Min	28		
											Max	66		
											Average	48		

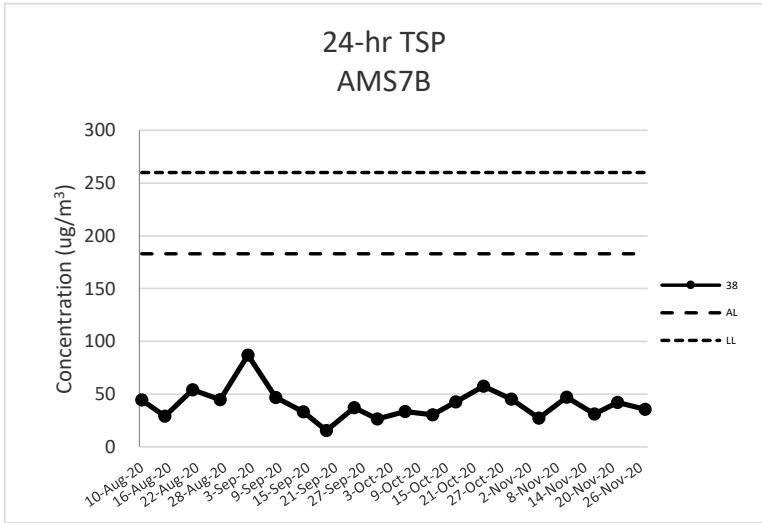
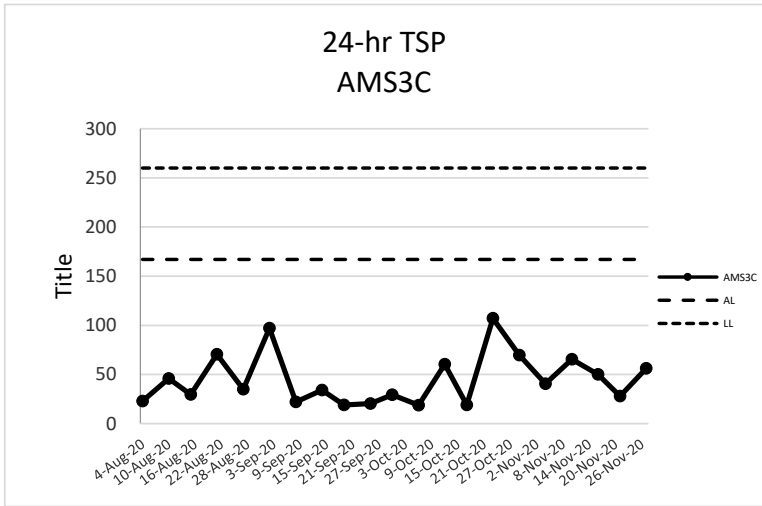
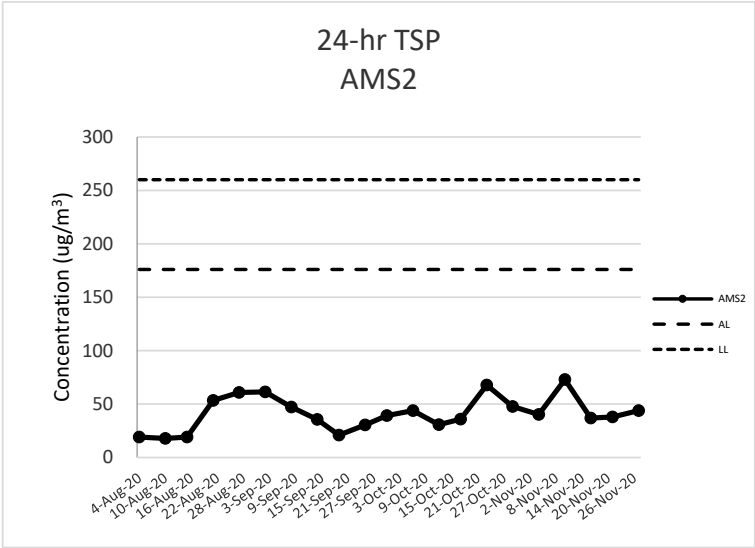
AMS7B - 3RS Site Offices

Start Date	Weather Condition	Air Temperature (K)	Atmospheric Pressure, Pa (mmHg)	Filter Weight (g)		Particulate weight (g)	Sampling Time(hrs)	Flow Rate (m³/min.)		Average flow (m³/min.)	Total volume (m³)	Conc. (ug/m³)	Action Level (ug/m³)	Limit Level (ug/m³)
				Initial	Final			Initial	Final					
4-Nov-20	Fine	296.0	763.2	2.6059	2.6694	0.0635	24	1.63	1.62	1.62	2339.0	27	183	260
10-Nov-20	Fine	295.9	764.5	2.5981	2.7083	0.1102	24	1.63	1.62	1.63	2340.3	47		
16-Nov-20	Fine	297.0	763.5	2.6898	2.7536	0.0638	24	1.42	1.42	1.42	2044.9	31		
21-Nov-20	Fine	296.5	761.2	2.6915	2.7693	0.0778	24	1.29	1.28	1.28	1849.4	42		
27-Nov-20	Fine	295.8	765.5	2.6426	2.7153	0.0727	24	1.43	1.42	1.42	2048.5	35		
											Min	27		
											Max	47		
											Average	37		

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)
4-Nov-20	10:37	65	67	61	0.8	Fine	75
10-Nov-20	12:49	59	62	50	0.8	Fine	75
16-Nov-20	10:39	63	66	60	0.9	Fine	75
27-Nov-20	10:49	66	68	64	0.2	Fine	75
	Max	66					
	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)
4-Nov-20	09:35	70	74	67	1.2	Fine	70
10-Nov-20	12:08	68	72	64	1.0	Fine	70
16-Nov-20	09:45	69	72	66	0.3	Fine	70
27-Nov-20	09:35	69	71	67	0.6	Fine	70
	Max	70					
	Min	68					

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.

