

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		
2-Sep-20	Fine	09:40	34	42	38	374	500
8-Sep-20	Fine	11:43	48	42	44		
14-Sep-20	Fine	10:52	38	42	42		
19-Sep-20	Fine	10:30	46	50	50		
25-Sep-20	Fine	13:45	28	30	26		
30-Sep-20	Fine	09:44	58	56	56		
		Min	26				
		Max	58				
		Average	43				

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		
2-Sep-20	Fine	10:10	44	52	50	368	500
8-Sep-20	Fine	12:04	58	60	58		
14-Sep-20	Fine	11:17	50	48	54		
19-Sep-20	Fine	10:46	42	56	54		
25-Sep-20	Fine	13:55	36	40	42		
30-Sep-20	Fine	10:06	46	52	54		
		Min	36				
		Max	60				
		Average	50				

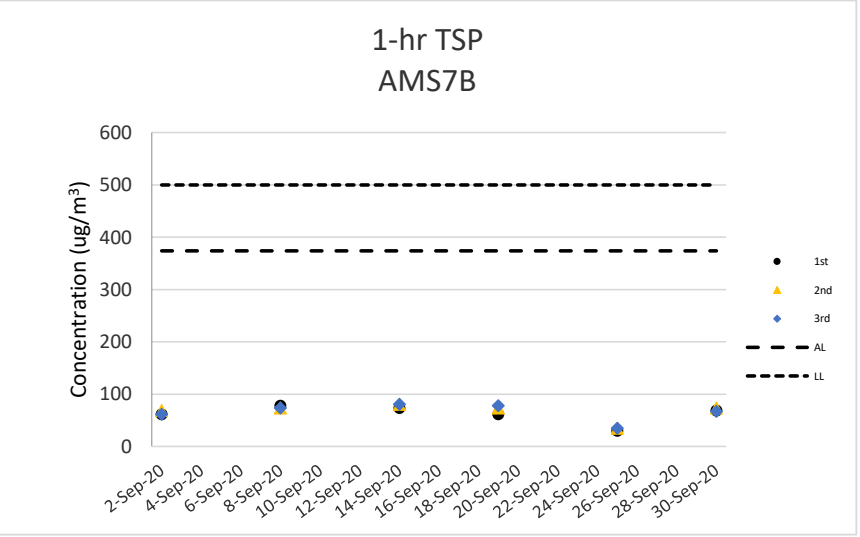
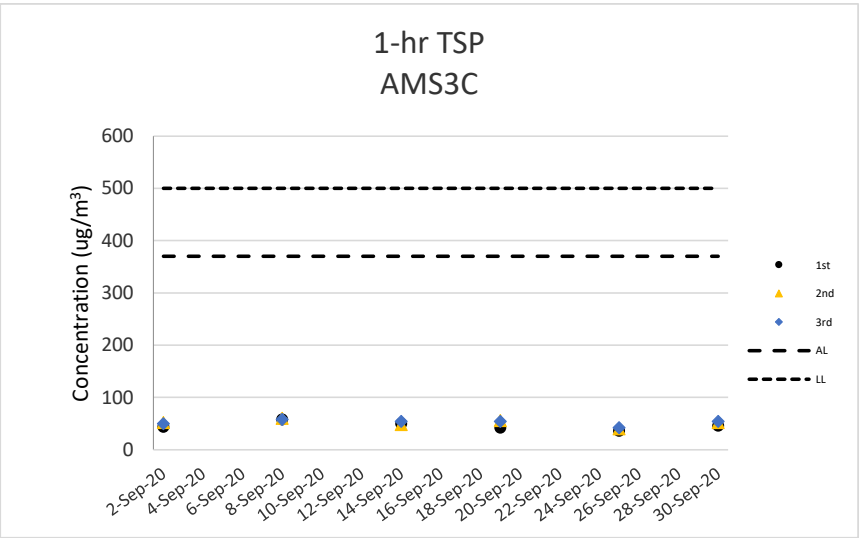
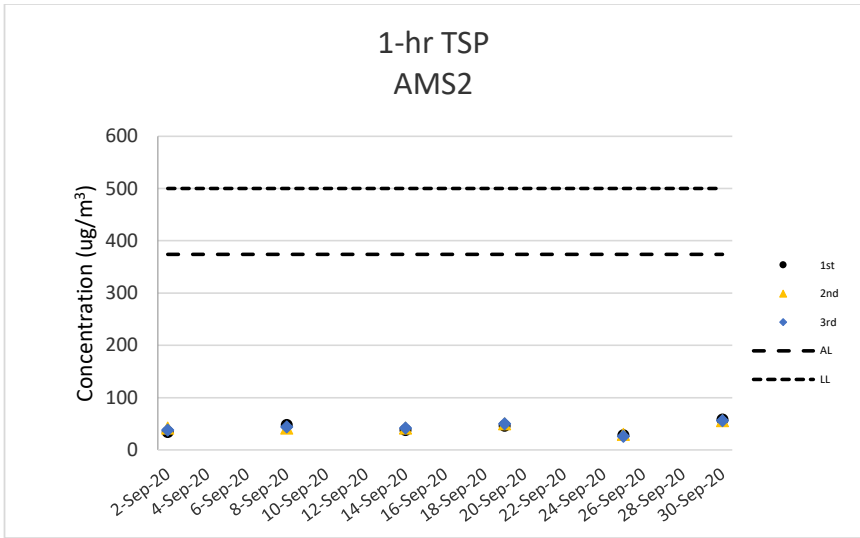
AMS7B - 3RS Site Offices

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		
2-Sep-20	Fine	09:27	62	69	62	370	500
8-Sep-20	Fine	11:25	78	74	74		
14-Sep-20	Fine	10:34	74	81	81		
19-Sep-20	Fine	11:02	62	74	78		
25-Sep-20	Fine	13:28	30	35	35		
30-Sep-20	Fine	09:30	69	74	67		
		Min	30				
		Max	81				
		Average	66				

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 (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					
2-Sep-20	Fine	303.0	754.7	2.6890	2.7941	0.1051	24	1.18	1.20	1.19	1712.7	61	176	260
8-Sep-20	Fine	300.1	758.2	2.6426	2.7236	0.0810	24	1.19	1.20	1.19	1719.6	47		
14-Sep-20	Fine	301.1	757.7	2.6863	2.7474	0.0611	24	1.19	1.20	1.19	1717.7	36		
19-Sep-20	Fine	300.2	759.0	2.5854	2.6216	0.0362	24	1.19	1.20	1.19	1720.0	21		
25-Sep-20	Fine	301.3	757.3	2.5994	2.6519	0.0525	24	1.19	1.20	1.19	1717.2	31		
30-Sep-20	Fine	300.4	755.6	2.6820	2.7492	0.0672	24	1.19	1.20	1.19	1717.5	39		
												Min	21	
												Max	61	
												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 (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					
2-Sep-20	Fine	303.0	754.7	2.6854	2.8987	0.2133	24	1.52	1.53	1.53	2196.2	97	167	260
8-Sep-20	Fine	300.1	758.2	2.6582	2.6974	0.0392	24	1.24	1.24	1.24	1786.0	22		
14-Sep-20	Fine	301.1	757.7	2.6717	2.7326	0.0609	24	1.24	1.24	1.24	1784.3	34		
19-Sep-20	Fine	300.2	759.0	2.6020	2.6360	0.0340	24	1.24	1.24	1.24	1786.3	19		
25-Sep-20	Fine	301.3	757.3	2.6086	2.6449	0.0363	24	1.23	1.24	1.24	1783.9	20		
30-Sep-20	Fine	300.4	755.6	2.6970	2.7495	0.0525	24	1.23	1.24	1.24	1784.2	29		
												Min	19	
												Max	97	
												Average	37	

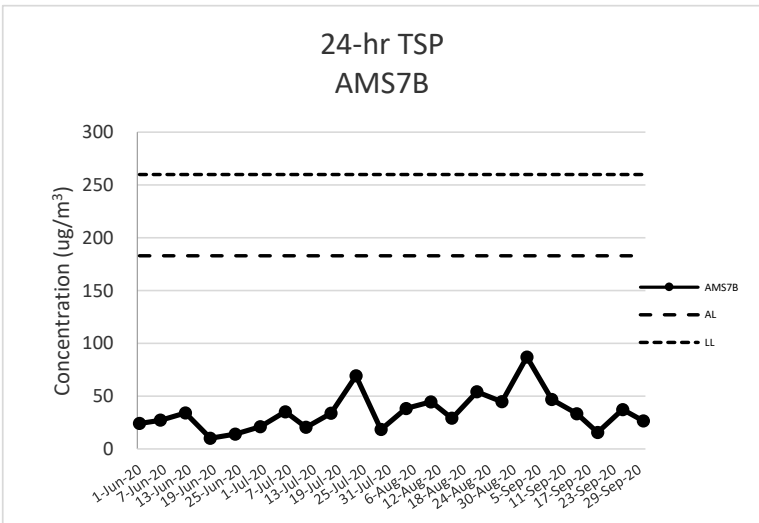
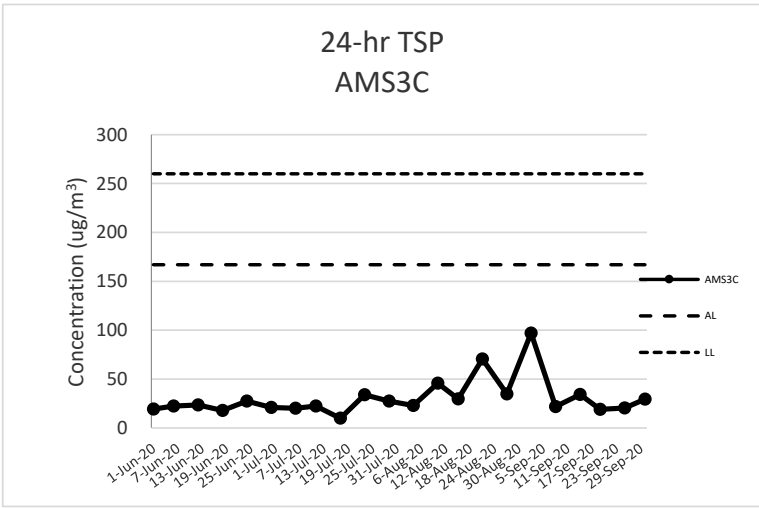
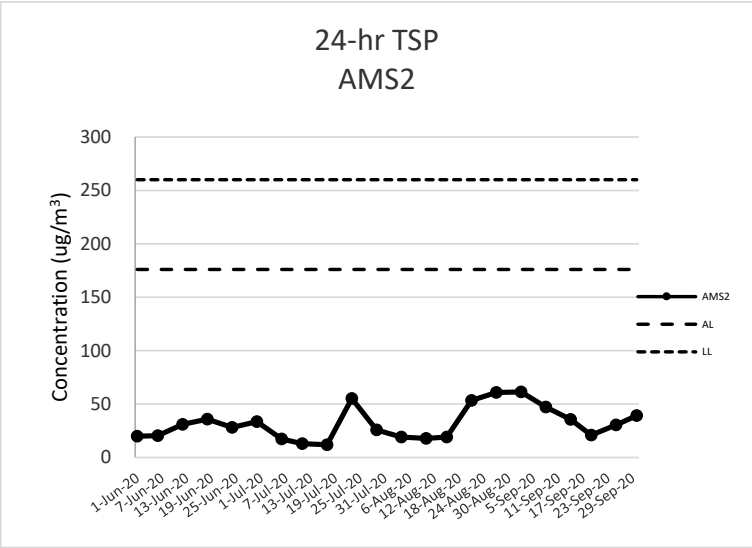
AMS7B - 3RS Site Offices

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					
2-Sep-20	Fine	303.0	754.7	2.6839	2.8805	0.1966	24	1.56	1.58	1.57	2258.6	87	183	260
8-Sep-20	Fine	300.1	758.2	2.6627	2.7689	0.1062	24	1.57	1.58	1.57	2266.1	47		
14-Sep-20	Fine	301.1	757.7	2.6603	2.7273	0.0670	24	1.39	1.40	1.40	2011.0	33		
19-Sep-20	Fine	300.2	759.0	2.6034	2.6319	0.0285	24	1.28	1.28	1.28	1844.4	15		
25-Sep-20	Fine	301.3	757.3	2.6047	2.6797	0.0750	24	1.39	1.40	1.40	2010.5	37		
30-Sep-20	Fine	300.4	755.6	2.7049	2.7537	0.0488	24	1.28	1.28	1.28	1842.2	26		
												Min	15	
												Max	87	
												Average	41	

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)
2-Sep-20	11:00	60	64	56	1.2	Fine	75
8-Sep-20	12:54	59	62	54	0.9	Fine	75
14-Sep-20	12:14	59	62	54	2.0	Fine	75
25-Sep-20	14:43	64	66	63	0.7	Fine	75
30-Sep-20	10:58	65	67	60	0.7	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)
2-Sep-20	10:16	69	72	64	0.2	Fine	70
8-Sep-20	12:09	70	73	65	0.4	Fine	70
14-Sep-20	11:25	69	72	65	0.8	Fine	70
25-Sep-20	14:00	69	71	65	0.4	Fine	70
30-Sep-20	10:10	62	64	61	0.0	Fine	70
	Max	70					
	Min	62					

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.

