

**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 <sub>eq</sub> 30min dB(A)	L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
8-May-20	11:20	60	63	58	0.0	Cloudy	75
14-May-20	11:43	60	62	59	2.5	Fine	75
20-May-20	11:03	61	62	59	0.5	Cloudy	75
26-May-20	11:00	59	63	57	0.0	Cloudy	75
	<b>Max</b>	61					
	<b>Min</b>	59					

**NMS3C - Ying Tung Estate Refuse Collection Point**

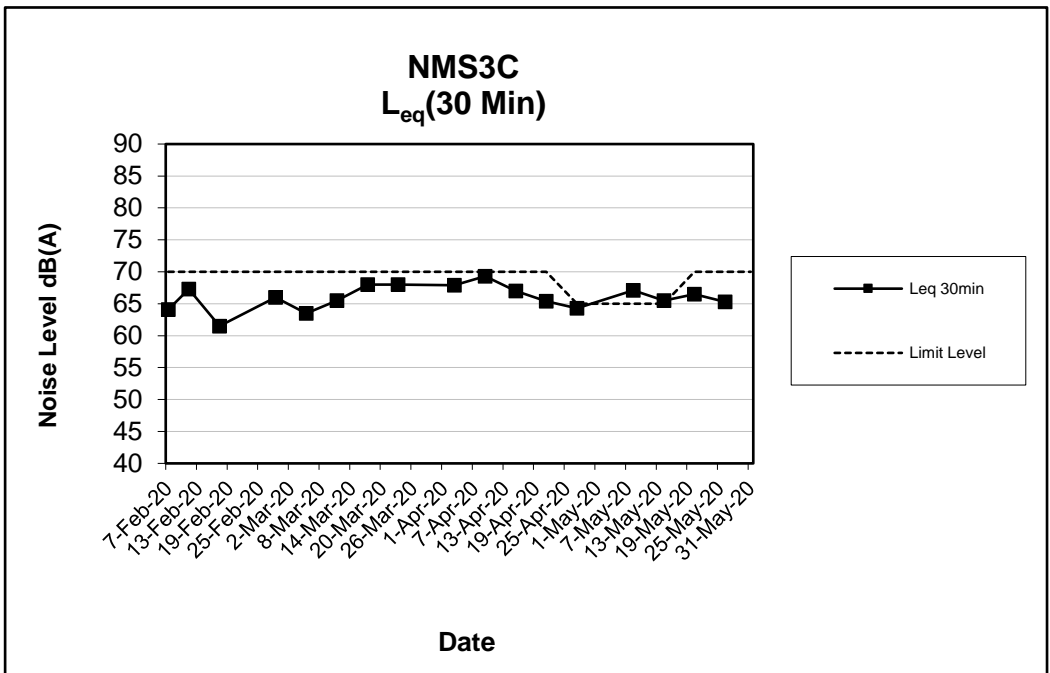
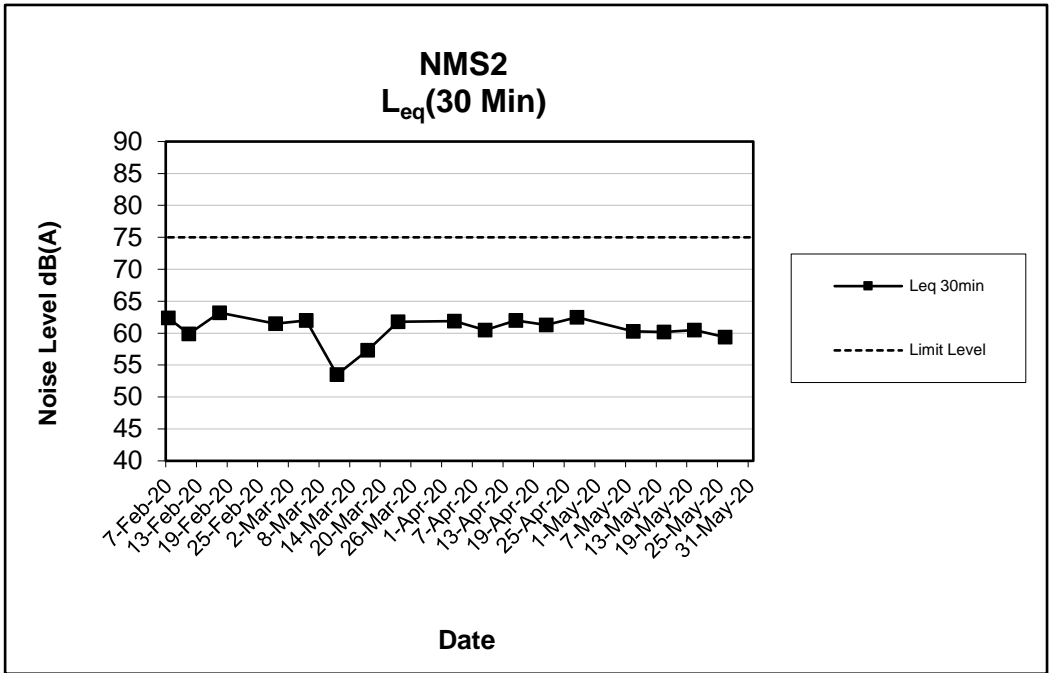
Date	Start Time	L <sub>eq</sub> 30min dB(A)	L <sub>10</sub> dB(A)	L <sub>90</sub> dB(A)	Wind Speed (m/s)	Weather	Limit Level dB(A)
8-May-20	10:35	67	69	62	0.0	Cloudy	65
14-May-20	10:04	66	68	62	1.2	Fine	65
20-May-20	13:17	67	70	63	0.7	Cloudy	70
26-May-20	09:05	65	68	63	0.0	Cloudy	70
	<b>Max</b>	67					
	<b>Min</b>	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.



# 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-May-20	Fine	08:30	82	50	50	374	500
8-May-20	Cloudy	09:00	57	48	46		
14-May-20	Fine	10:21	65	67	70		
20-May-20	Cloudy	13:49	65	70	79		
26-May-20	Cloudy	09:50	96	72	60		
		Min	46				
		Max	96				
		Average	65				

## 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-May-20	Fine	09:20	44	49	48	368	500
8-May-20	Cloudy	10:30	50	55	67		
14-May-20	Fine	11:00	55	55	59		
20-May-20	Cloudy	13:17	49	55	44		
26-May-20	Cloudy	09:00	53	42	49		
		Min	42				
		Max	67				
		Average	52				

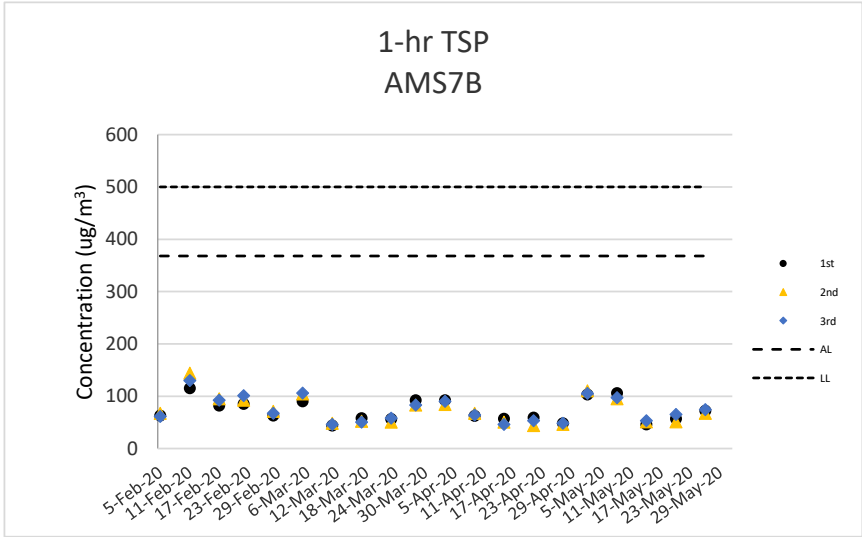
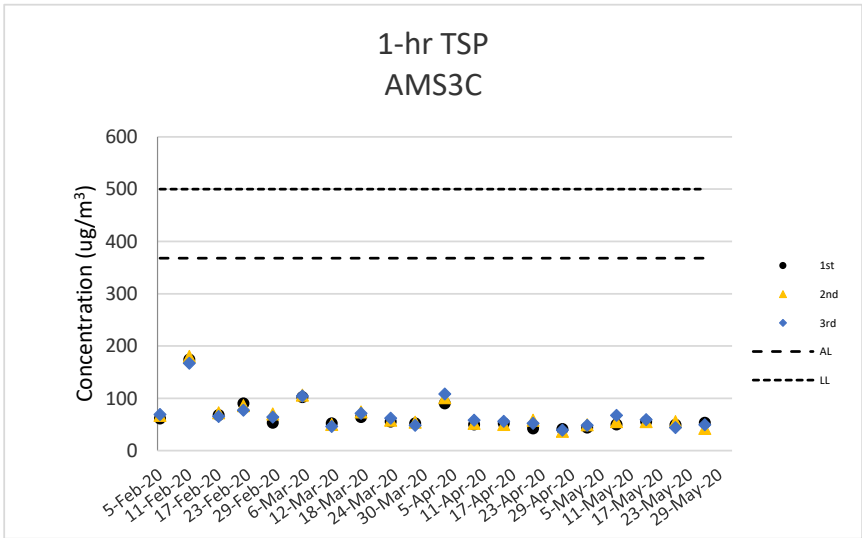
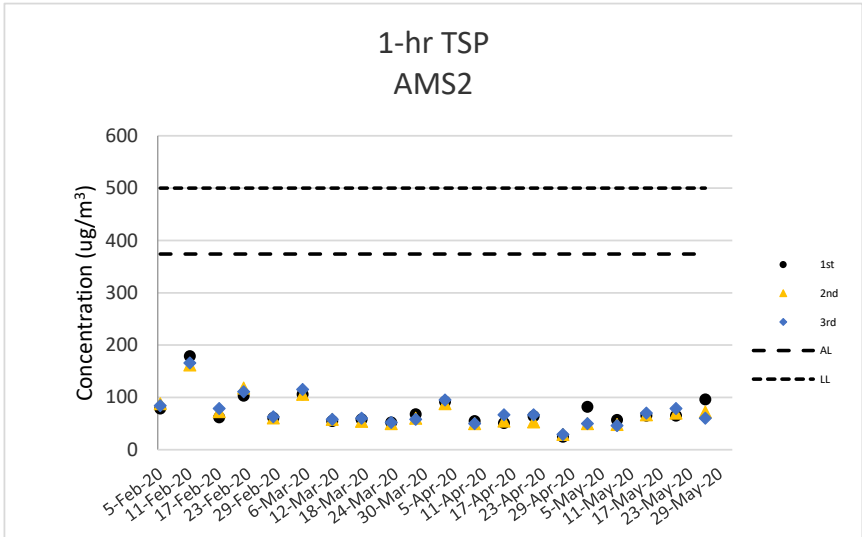
## AMS7B - 3RS Site Offices

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-May-20	Fine	09:50	103	110	105	370	500
8-May-20	Cloudy	09:46	106	95	97		
14-May-20	Fine	09:50	46	51	53		
20-May-20	Cloudy	13:30	57	51	65		
26-May-20	Cloudy	08:30	72	67	74		
		Min	46				
		Max	110				
		Average	77				

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 <sup>3</sup> /min.)		Average flow (m <sup>3</sup> /min.)	Total volume (m <sup>3</sup> )	Conc. (ug/m <sup>3</sup> )	Action Level (ug/m <sup>3</sup> )	Limit Level (ug/m <sup>3</sup> )
				Initial	Final			Initial	Final					
2-May-20	Fine	299.3	757.6	2.7049	2.7694	0.0645	24	1.24	1.25	1.25	1795.6	36	176	260
8-May-20	Cloudy	302.3	756.5	2.6974	2.7168	0.0194	24	1.24	1.25	1.24	1790.5	11		
14-May-20	Fine	300.1	758.5	2.7034	2.7571	0.0537	24	1.24	1.25	1.24	1791.6	30		
20-May-20	Cloudy	300.6	754.6	2.6870	2.7360	0.0490	24	1.24	1.25	1.24	1791.9	27		
26-May-20	Cloudy	301.3	755.8	2.6703	2.7175	0.0472	24	1.55	1.56	1.56	2240.4	21		
											Min	11		
											Max	36		
											Average	25		

**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 <sup>3</sup> /min.)		Average flow (m <sup>3</sup> /min.)	Total volume (m <sup>3</sup> )	Conc. (ug/m <sup>3</sup> )	Action Level (ug/m <sup>3</sup> )	Limit Level (ug/m <sup>3</sup> )
				Initial	Final			Initial	Final					
2-May-20	Fine	299.3	757.6	2.6949	2.8323	0.1374	24	1.09	1.09	1.09	1572.7	87	167	260
8-May-20	Cloudy	302.3	756.5	2.7136	2.7396	0.0260	24	1.08	1.09	1.09	1567.0	17		
14-May-20	Fine	300.1	758.5	2.7110	2.8069	0.0959	24	1.02	1.03	1.02	1472.3	65		
20-May-20	Cloudy	300.6	754.6	2.6972	2.7503	0.0531	24	1.02	1.03	1.02	1472.7	36		
26-May-20	Cloudy	301.3	755.8	2.6825	2.7205	0.0380	24	1.02	1.03	1.02	1472.4	26		
											Min	17		
											Max	87		
											Average	46		

**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 <sup>3</sup> /min.)		Average flow (m <sup>3</sup> /min.)	Total volume (m <sup>3</sup> )	Conc. (ug/m <sup>3</sup> )	Action Level (ug/m <sup>3</sup> )	Limit Level (ug/m <sup>3</sup> )
				Initial	Final			Initial	Final					
2-May-20	Fine	299.3	757.6	2.6660	2.7859	0.1199	24	1.43	1.44	1.44	2070.3	58	183	260
8-May-20	Cloudy	302.3	756.5	2.7030	2.7454	0.0424	24	1.43	1.44	1.43	2064.2	21		
14-May-20	Fine	300.1	758.5	2.7190	2.8256	0.1066	24	1.43	1.44	1.43	2065.5	52		
20-May-20	Cloudy	300.6	754.6	2.6968	2.7884	0.0916	24	1.43	1.44	1.43	2065.9	44		
26-May-20	Cloudy	301.3	755.8	2.6838	2.7358	0.0520	24	1.43	1.44	1.43	2065.5	25		
											Min	21		
											Max	58		
											Average	40		

Note:

Underline: Exceedance of Action Level

Underline and Bold: Exceedance of Limit Level

