

24-hour TSP Monitoring Result for Kai Tak Development - Stage 3 Infrastructure Works for Developments at the Southern Part of the Former Runway

KTD1a - Centre of Excellence in Paediatrics (Children's Hospital)

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	Limit Level
				Initial	Final			Initial	Final				(ug/m ³)	(ug/m ³)
2-Oct-18	Fine	300.2	761.2	2.6880	2.8113	0.1233	24	1.50	1.51	1.50	2165.5	57	177	260
8-Oct-18	Fine	299.7	760.7	2.6194	2.6914	0.0720	24	1.37	1.38	1.38	1980.3	36		
13-Oct-18	Fine	279.2	763.0	2.6757	2.7928	0.1171	24	1.50	1.44	1.47	2115.1	55		
19-Oct-18	Fine	297.2	763.0	2.6801	2.8095	0.1294	24	1.45	1.44	1.44	2079.6	62		
24-Oct-18	Cloudy	298.7	763.0	2.6501	2.7634	0.1133	24	1.38	1.38	1.38	1983.7	57		
30-Oct-18	Fine	298.7	761.2	2.6574	2.8248	0.1674	24	1.44	1.44	1.44	2075.5	81		
												Min	36	
												Max	81	
												Average	58	

KTD 2b: G/I/C Zone next to Kwun Tong Bypass (Next to the site of the New Acute Hospital)

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	Limit Level
				Initial	Final			Initial	Final				(ug/m ³)	(ug/m ³)
2-Oct-18	Fine	300.2	761.2	2.6886	2.7379	0.0493	24	1.27	1.27	1.27	1832.0	27	157	260
8-Oct-18	Fine	299.7	760.7	2.6275	2.7533	0.1258	24	1.56	1.57	1.57	2255.0	56		
13-Oct-18	Fine	279.2	763.0	2.6813	2.8094	0.1281	24	1.56	1.49	1.53	2197.0	58		
19-Oct-18	Fine	297.2	763.0	2.6375	2.7333	0.0958	24	1.50	1.49	1.50	2156.6	44		
24-Oct-18	Cloudy	298.7	763.0	2.6538	2.7907	0.1369	24	1.28	1.27	1.28	1836.1	75		
30-Oct-18	Fine	298.7	761.2	2.6563	2.8566	0.2003	24	1.57	1.57	1.57	2257.6	89		
												Min	27	
												Max	89	
												Average	58	

KER1b - Site Boundary at Cheung Yip Street

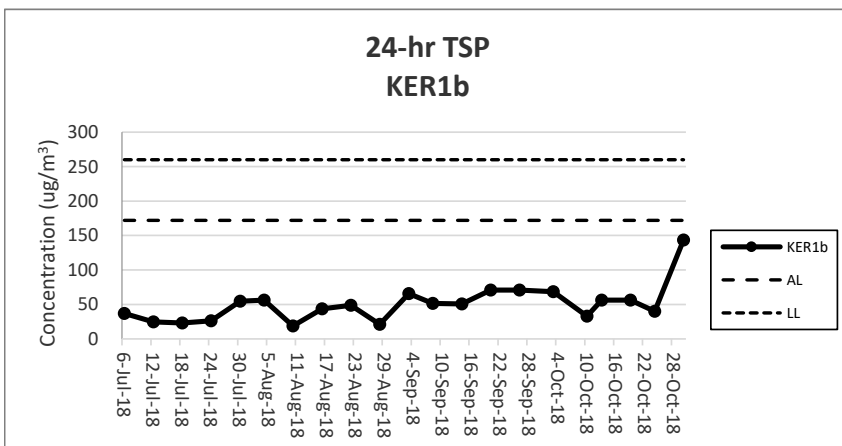
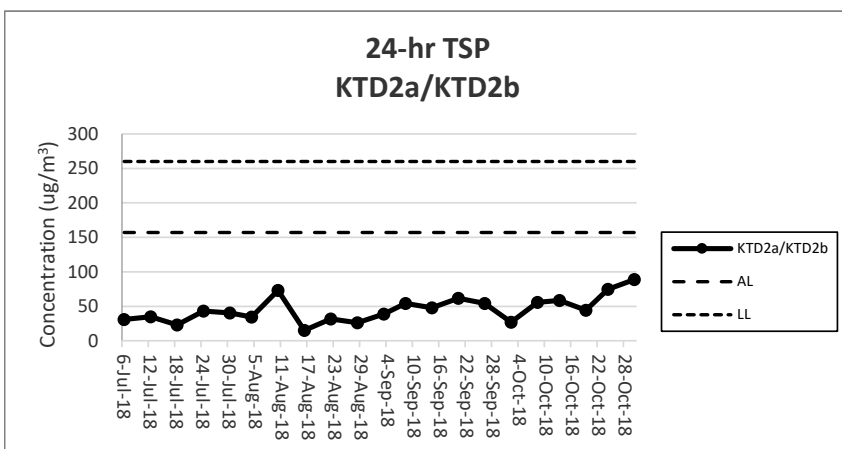
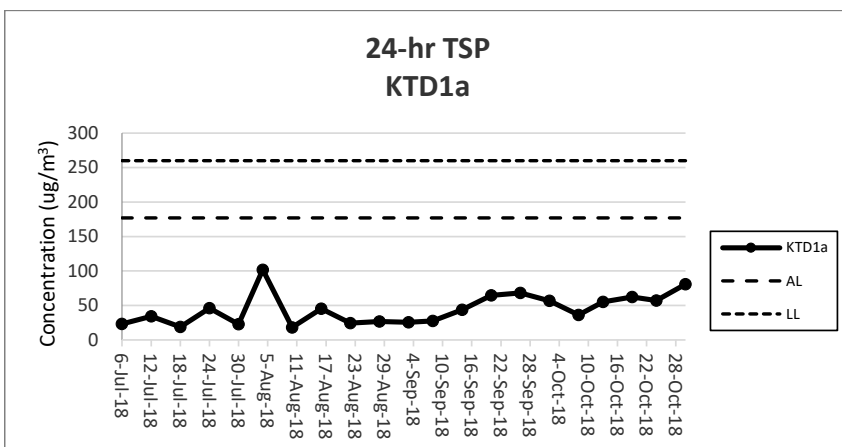
Start Date	Weather Condition	Air Temperature (K)	Atmospheric Pressure, Pa (mmHg)	Filter Weight (g)		Particulate weight (g)	Sampling Time(hrs)	Flow Rate (m ³ /min.)		Average flow (m ³ /min.)	Total volume (m ³)	Conc. (ug/m ³)	Action Level	Limit Level
				Initial	Final			Initial	Final				(ug/m ³)	(ug/m ³)
2-Oct-18	Fine	300.2	761.2	2.6715	2.7980	0.1265	24	1.28	1.29	1.29	1850.5	68	172	260
10-Oct-18	Fine	296.2	764.2	2.6158	2.6652	0.0494	24	1.05	1.04	1.04	1503.1	33		
13-Oct-18	Fine	279.2	763.0	2.6870	2.7833	0.0963	24	1.21	1.16	1.19	1711.7	56		
19-Oct-18	Fine	297.2	763.0	2.6294	2.7237	0.0943	24	1.17	1.16	1.17	1679.1	56		
24-Oct-18	Cloudy	298.7	763.0	2.6689	2.7436	0.0747	24	1.29	1.29	1.29	1854.5	40		
30-Oct-18	Fine	298.7	761.2	2.6587	2.9246	0.2659	24	1.29	1.29	1.29	1853.2	143		
												Min	33	
												Max	143	
												Average	66	

Note:

Underline: Exceedance of Action Level

Underline and Bold: Exceedance of Limit Level

Power supply of high volume sampler at KER1b was suspended due to the damage of the cable, TSP monitoring was resumed at 10 October 2018.



Note:

- 1) The major activities being carried out on site during the reporting period can be referred to Section 1.3.2.
- 2) The weather conditions during the reporting period can be referred to Appendix K.
- 3) Any other factors which might affect the monitoring results can be referred to Section 2.6.4.
- 4) QA/QC results, calibration results and detection limits can be referred to Appendix D.
- 5) KTD 2a was relocated to KTD2b on 9 August 2018
- 6) Power supply of high volume sampler at KER1b was suspended on 8 October 2018 due to the damage of the cable, TSP monitoring was resumed at 10 October 2018.