

Appendix F Environmental Monitoring Data for Air, Noise and Water Quality

Appendix F
Air Quality Monitoring Results and their Graphical Presentation

24-Hour TSP Monitoring Result at Station: SR77

Sampling Date	Weather Condition	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Wind speed m/s	Wind direction
			Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
4-Nov-16	Sunny	250	2.8834	3.0870	0.2036	5548.67	5572.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	97.9	170.3	260.0	<5	N
10-Nov-16	Cloud	252	2.9190	3.0686	0.1496	5575.67	5599.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	71.9	170.3	260.0	<5	N
16-Nov-16	Sunny	254	2.8624	3.0267	0.1643	5602.67	5626.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	79.0	170.3	260.0	<5	N
22-Nov-16	Rainy	256	2.8370	2.9359	0.0989	5629.67	5653.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	47.6	170.3	260.0	<5	N
28-Nov-16	Sunny	258	2.8753	3.0388	0.1635	5656.67	5680.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	78.6	170.3	260.0	<5	N
3-Dec-16	Sunny	260	2.8577	3.0903	0.2326	5683.67	5707.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	111.8	170.3	260.0	<5	N
9-Dec-16	Fine	262	2.8545	3.0725	0.2180	5710.67	5734.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	104.8	170.3	260.0	<5	N
15-Dec-16	Sunny	264	2.8553	3.0441	0.1888	5737.67	5761.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	90.8	170.3	260.0	<5	N
21-Dec-16	Cloudy	266	2.8910	3.0062	0.1152	5764.67	5788.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	55.4	170.3	260.0	<5	N
30-Dec-16	Cloudy	270	2.8749	3.1608	0.2859	5818.67	5842.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	137.5	170.3	260.0	<5	N
5-Jan-17	Cloudy	272	2.9021	3.0813	0.1792	5845.67	5869.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	86.2	170.3	260.0	<5	N
11-Jan-17	Cloudy	274	2.9053	3.1785	0.2732	5872.67	5896.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	131.4	170.3	260.0	<5	N
17-Jan-17	Cloudy	276	2.8730	3.0408	0.1678	5899.67	5923.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	80.7	170.3	260.0	<5	N
23-Jan-17	Sunny	278	2.9053	3.1785	0.2732	5926.67	5950.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	131.4	170.3	260.0	<5	N
27-Jan-17	Cloudy	CC5	2.8708	3.0409	0.1701	5953.67	5977.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	81.8	170.3	260.0	<5	N
2-Feb-17	Fine	CC6	2.8670	3.0074	0.1404	5980.67	6004.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	67.5	170.3	260.0	<5	N
8-Feb-17	Fine	CC8	2.8619	3.0026	0.1407	6007.67	6031.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	67.7	170.3	260.0	<5	N
14-Feb-17	Sunny	CC10	2.8398	3.0067	0.1669	6034.67	6058.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	80.3	170.3	260.0	<5	N
20-Feb-17	Sunny	CC12	2.8563	3.0202	0.1639	6061.67	6085.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	78.8	170.3	260.0	<5	N
24-Feb-17	Cloudy	CC14	2.8631	3.0212	0.1581	6088.67	6112.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	76.0	170.3	260.0	<5	N
2-Mar-17	Sunny	CC16	2.8606	3.1194	0.2588	6115.67	6139.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	124.4	170.3	260.0	<5	N
8-Mar-17	Fine	CC18	2.8936	3.1055	0.2119	6142.67	6166.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	101.9	170.3	260.0	<5	N
14-Mar-17	Cloudy	CC20	2.9093	2.9976	0.0883	6169.67	6193.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	42.5	170.3	260.0	<5	N
20-Mar-17	Sunny	CC22	2.9181	3.0841	0.1660	6196.67	6220.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	79.8	170.3	260.0	<5	N
24-Mar-17	Sunny	CC24	2.9002	3.0277	0.1275	6223.67	6247.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	61.3	170.3	260.0	<5	N
30-Mar-17	Sunny	CC26	2.9595	3.0698	0.1103	6250.67	6274.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	53.0	170.3	260.0	<5	N
5-Apr-17	Fine	CC28	2.9007	3.0399	0.1392	6277.67	6301.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	66.9	170.3	260.0	<5	N
10-Apr-17	Cloudy	CC30	2.8960	3.0126	0.1166	6304.67	6328.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	56.1	170.3	260.0	<5	N
13-Apr-17	Fine	CC32	2.8663	3.0079	0.1416	6331.67	6355.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	68.1	170.3	260.0	<5	N
19-Apr-17	Sunny	CC34	2.8840	2.9965	0.1125	6358.67	6382.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	54.1	170.3	260.0	<5	N
25-Apr-17	Cloudy	CC36	2.8690	2.9790	0.1100	6385.67	6409.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	52.9	170.3	260.0	<5	N
28-Apr-17	Sunny	CC38	2.8575	2.9765	0.1190	6412.67	6436.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	57.2	170.3	260.0	<5	N
4-May-17	Rainy	CC40	2.8544	2.9920	0.1376	6439.67	6463.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	66.2	170.3	260.0	<5	N
10-May-17	Cloudy	CC42	2.8358	3.0078	0.1720	6466.67	6490.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	82.7	170.3	260.0	<5	N
16-May-17	Cloudy	CC44	2.8647	2.9930	0.1283	6493.67	6517.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	61.7	170.3	260.0	<5	N
22-May-17	Cloudy	CC46	2.8895	2.9715	0.0820	6520.67	6544.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	39.4	170.3	260.0	<5	N
26-May-17	Fine	CC48	2.8533	3.0084	0.1551	6547.67	6571.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	74.6	170.3	260.0	<5	N
1-Jun-17	Cloudy	CC50	2.8966	3.0594	0.1628	6574.67	6598.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	78.3	170.3	260.0	<5	N
7-Jun-17	Fine	CC52	2.8798	3.1383	0.2585	6601.67	6625.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	124.3	170.3	260.0	<5	N
13-Jun-17	Cloudy	CC54	2.8783	2.9464	0.0681	6628.67	6652.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	32.7	170.3	260.0	<5	N
19-Jun-17	Rainy	CC56	2.8614	2.9250	0.0636	6655.67	6679.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	30.6	170.3	260.0	<5	N
23-Jun-17	Fine	CC58	2.8628	3.0177	0.1549	6682.67	6706.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	74.5	170.3	260.0	<5	N
29-Jun-17	Fine	CC60	2.8487	3.0101	0.1614	6709.67	6733.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	77.6	170.3	260.0	<5	N
5-Jul-17	Cloudy	CC62	2.8226	2.8859	0.0633	6736.67	6760.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	30.4	170.3	260.0	<5	N
11-Jul-17	Cloudy	CC64	2.8430	2.8845	0.0415	6763.67	6787.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	20.0	170.3	260.0	<5	N
17-Jul-17	Rainy	CC66	2.8421	2.8715	0.0294	6790.67	6814.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	14.1	170.3	260.0	<5	N
21-Jul-17	Fine	CC68	2.8264	2.9080	0.0816	6817.67	6841.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	39.2	170.3	260.0	<5	N

Appendix F
Air Quality Monitoring Results and their Graphical Presentation

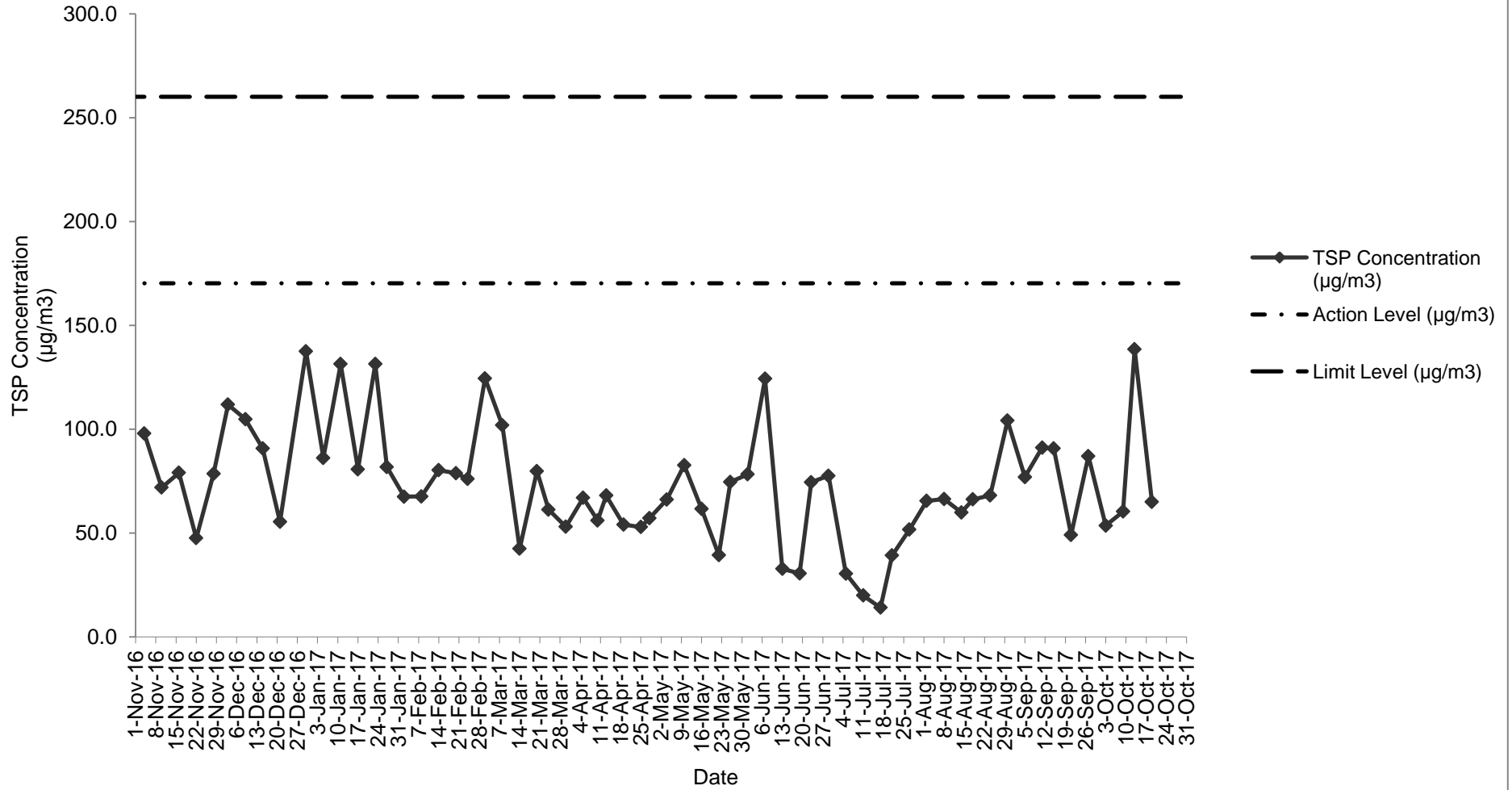
24-Hour TSP Monitoring Result at Station: SR77

Sampling Date	Weather Condition	Paper No.	Wt. of paper (g)			Elapse Time			Flow Rate (CFM)			Flow Rate (m ³ /min)			Total Volume (m ³)	TSP Concentration (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Wind speed m/s	Wind direction
			Initial Wt.	Final Wt.	Wt. of Dust	Initial	Final	Sampling Hour	Initial	Final	Avg Flow Rate	Initial	Final	Avg Flow Rate						
27-Jul-17	Fine	CC70	2.8542	2.9617	0.1075	6844.67	6868.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	51.7	170.3	260.0	<5	N
2-Aug-17	Fine	CC72	2.8640	3.0001	0.1361	6871.67	6895.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	65.4	170.3	260.0	<5	N
8-Aug-17	Sunny	CC74	2.8523	2.9904	0.1381	6898.67	6922.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	66.4	170.3	260.0	<5	N
14-Aug-17	Sunny	CC76	2.8575	2.9821	0.1246	6925.67	6949.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	59.9	170.3	260.0	<5	N
18-Aug-17	Sunny	CC78	2.8599	2.9976	0.1377	6952.67	6976.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	66.2	170.3	260.0	<5	N
24-Aug-17	Sunny	CC80	2.8262	2.9679	0.1417	6979.67	7003.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	68.1	170.3	260.0	<5	N
30-Aug-17	Fine	CC82	2.8299	3.0465	0.2166	7006.67	7030.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	104.2	170.3	260.0	<5	N
5-Sep-17	Fine	CC84	2.8574	3.0175	0.1601	7033.67	7057.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	77.0	170.3	260.0	<5	N
11-Sep-17	Sunny	CC86	2.8448	3.0344	0.1896	7060.67	7084.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	91.2	170.3	260.0	<5	N
15-Sep-17	Fine	CC88	2.8430	3.0316	0.1886	7087.67	7111.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	90.7	170.3	260.0	<5	N
21-Sep-17	Fine	CC90	2.8425	2.9447	0.1022	7114.67	7138.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	49.1	170.3	260.0	<5	N
27-Sep-17	Fine	CC92	2.8518	3.0328	0.1810	7141.67	7165.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	87.0	170.3	260.0	<5	N
3-Oct-17	Sunny	CC94	2.8702	2.9816	0.1114	7168.67	7192.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	53.6	170.3	260.0	<5	N
9-Oct-17	Cloudy	CC96	2.8471	2.9727	0.1256	7195.67	7219.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	60.4	170.3	260.0	<5	N
13-Oct-17	Sunny	CC98	2.8352	3.1231	0.2879	7222.67	7246.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	138.4	170.3	260.0	<5	N
19-Oct-17	Fine	CC100	2.8611	3.0131	0.1520	7249.67	7276.67	27.00	51	51	51.0	1.44	1.44	1.44	2339.54	65.0	170.3	260.0	<5	N
25-Oct-17	Sunny	CC102	2.8584	3.0483	0.1899	7279.67	7303.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	91.3	170.3	260.0	<5	N
31-Oct-17	Sunny	CC104	2.8589	3.1052	0.2463	7306.67	7330.67	24.00	51	51	51.0	1.44	1.44	1.44	2079.59	118.4	170.3	260.0	<5	N

Summary For the Reporting Period (Nov 2016 - Oct 2017)	
Average	74.2
Minimum	14.1
Maximum	138.4

Note: No major dust source observed during the monitoring period
Data in **Bold** denotes exceedance of respective Action Level
Data in **Bold Underline** denotes exceedance of respective Limit Level

24-Hour TSP Monitoring Result at Station: SR77 (Nov 2016 - Oct 2017)



Appendix F
Air Quality Monitoring Results and their Graphical Presentation

1-Hour TSP Monitoring Result at Station: SR77

Date	Weather Condition	Time	Conc.(µg/m ³)			Action Level (µg/m ³)	Limit Level (µg/m ³)
			1 st Hour	2 nd Hour	3 rd Hour		
4-Nov-16	Sunny	9:00 - 12:06	148.9	147.7	146.6	292.7	500.0
10-Nov-16	Cloudy	9:00 - 12:07	83.1	87.7	84.2	292.7	500.0
16-Nov-16	Sunny	9:00 - 12:07	147.7	142.0	146.6	292.7	500.0
22-Nov-16	Rainy	9:00 - 12:06	113.1	118.9	115.4	292.7	500.0
28-Nov-16	Sunny	9:00 - 12:07	137.3	135.0	132.7	292.7	500.0
3-Dec-16	Sunny	9:00 - 12:07	155.8	154.6	151.2	292.7	500.0
9-Dec-16	Fine	9:00 - 12:06	155.8	151.2	153.5	292.7	500.0
15-Dec-16	Sunny	9:00 - 12:07	159.3	157.0	153.5	292.7	500.0
21-Dec-16	Cloudy	9:00 - 12:05	166.2	155.8	158.1	292.7	500.0
30-Dec-16	Cloudy	9:00 - 12:08	142.0	138.5	137.3	292.7	500.0
5-Jan-17	Cloudy	9:00 - 12:07	168.5	167.3	165.0	292.7	500.0
11-Jan-17	Cloudy	9:00 - 12:07	187.0	182.3	184.7	292.7	500.0
17-Jan-17	Cloudy	9:00 - 12:06	185.8	184.7	180.0	292.7	500.0
23-Jan-17	Sunny	9:00 - 12:06	187.0	181.2	175.4	292.7	500.0
27-Jan-17	Cloudy	9:00 - 12:07	199.7	187.0	193.9	292.7	500.0
2-Feb-17	Fine	9:00 - 12:09	152.3	158.1	154.6	292.7	500.0
8-Feb-17	Fine	9:00 - 12:06	163.9	160.4	157.0	292.7	500.0
14-Feb-17	Sunny	9:00 - 12:07	151.2	157.0	159.3	292.7	500.0
20-Feb-17	Sunny	9:00 - 12:06	175.4	173.1	172.0	292.7	500.0
24-Feb-17	Cloudy	9:00 - 12:06	162.7	173.1	169.6	292.7	500.0
2-Mar-17	Sunny	9:00 - 12:08	192.7	196.2	189.3	292.7	500.0
8-Mar-17	Fine	9:00 - 12:06	124.6	121.2	126.9	292.7	500.0
14-Mar-17	Cloudy	9:00 - 12:08	158.1	153.5	150.0	292.7	500.0
20-Mar-17	Sunny	9:00 - 12:06	190.4	196.2	191.6	292.7	500.0
24-Mar-17	Sunny	9:00 - 12:08	174.3	172.0	169.6	292.7	500.0
30-Mar-17	Sunny	9:00 - 12:06	227.4	217.0	207.7	292.7	500.0
5-Apr-17	Sunny	9:00 - 12:05	172.0	173.1	169.6	292.7	500.0
10-Apr-17	Fine	9:00 - 12:06	102.7	105.0	103.9	292.7	500.0
13-Apr-17	Cloudy	9:00 - 12:08	108.5	111.9	116.6	292.7	500.0
19-Apr-17	Sunny	9:00 - 12:08	100.4	106.2	105.0	292.7	500.0
25-Apr-17	Cloudy	9:00 - 12:08	108.5	107.3	109.6	292.7	500.0
28-Apr-17	Sunny	9:00 - 12:08	103.9	109.6	102.7	292.7	500.0
4-May-17	Rainy	9:00 - 12:06	117.7	111.9	113.1	292.7	500.0
10-May-17	Cloudy	9:00 - 12:08	197.3	195.0	188.1	292.7	500.0
16-May-17	Cloudy	9:00 - 12:09	193.9	196.2	198.5	292.7	500.0
22-May-17	Cloudy	9:00 - 12:07	117.7	115.4	118.9	292.7	500.0
26-May-17	Fine	9:00 - 12:09	124.6	120.0	126.9	292.7	500.0
1-Jun-17	Cloudy	9:00 - 12:06	155.8	151.2	150.0	292.7	500.0
7-Jun-17	Fine	9:00 - 12:08	208.9	206.6	210.0	292.7	500.0
13-Jun-17	Cloudy	9:00 - 12:07	180.4	150.0	210.0	292.7	500.0
19-Jun-17	Rainy	9:00 - 12:08	123.5	120.0	125.8	292.7	500.0
23-Jun-17	Fine	9:00 - 12:08	109.6	103.9	107.3	292.7	500.0
29-Jun-17	Fine	9:00 - 12:07	85.4	88.9	83.1	292.7	500.0
5-Jul-17	Cloudy	9:00 - 12:07	94.6	100.4	99.3	292.7	500.0
11-Jul-17	Cloudy	9:00 - 12:08	90.0	101.6	84.2	292.7	500.0
17-Jul-17	Rainy	9:00 - 12:08	83.1	78.5	86.6	292.7	500.0
21-Jul-17	Fine	9:00 - 12:07	92.3	86.6	87.7	292.7	500.0
27-Jul-17	Fine	9:00 - 12:08	113.1	120.0	116.6	292.7	500.0
2-Aug-17	Fine	9:00 - 12:07	114.3	121.2	117.7	292.7	500.0
8-Aug-17	Sunny	9:00 - 12:07	165.0	161.6	159.3	292.7	500.0
14-Aug-17	Sunny	9:00 - 12:08	160.4	167.3	158.1	292.7	500.0
18-Aug-17	Sunny	9:00 - 12:07	118.9	121.2	109.6	292.7	500.0
24-Aug-17	Sunny	9:00 - 12:05	96.9	91.2	102.7	292.7	500.0
30-Aug-17	Fine	9:00 - 12:07	151.2	147.7	152.3	292.7	500.0
5-Sep-17	Fine	9:00 - 12:07	114.3	117.7	100.4	292.7	500.0
11-Sep-17	Sunny	9:00 - 12:07	139.6	132.7	131.6	292.7	500.0
15-Sep-17	Fine	9:00 - 12:07	131.6	139.6	136.2	292.7	500.0

Appendix F
Air Quality Monitoring Results and their Graphical Presentation

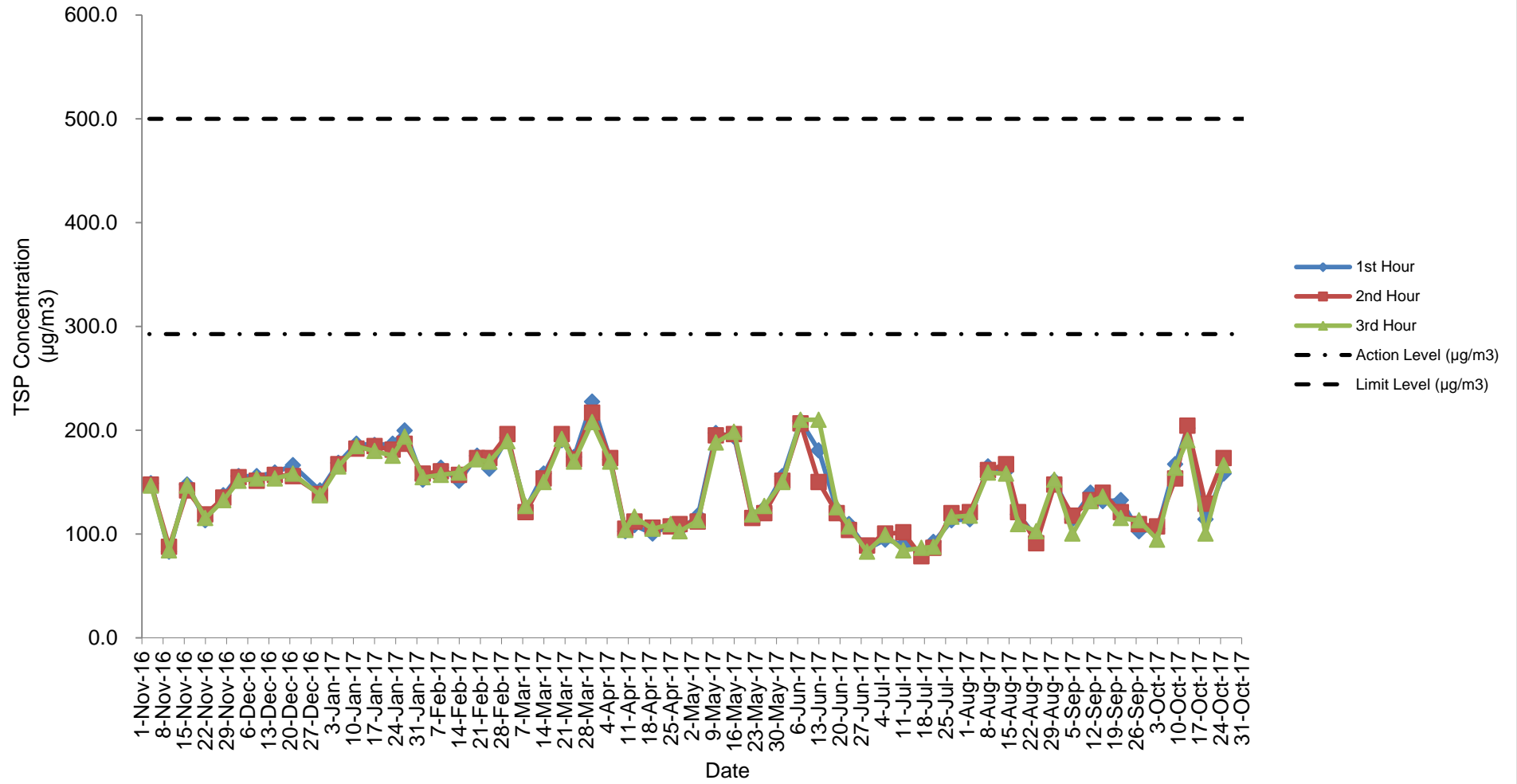
1-Hour TSP Monitoring Result at Station: SR77

Date	Weather Condition	Time	Conc.(µg/m ³)			Action Level (µg/m3)	Limit Level (µg/m3)
			1 st Hour	2 nd Hour	3 rd Hour		
21-Sep-17	Fine	9:00 - 12:07	132.7	121.2	115.4	292.7	500.0
27-Sep-17	Fine	9:00 - 12:07	102.7	109.6	113.1	292.7	500.0
3-Oct-17	Sunny	9:00 - 12:07	105.0	107.3	94.6	292.7	500.0
9-Oct-17	Cloudy	9:00 - 12:06	167.3	153.5	163.9	292.7	500.0
13-Oct-17	Sunny	9:00 - 12:08	202.0	204.3	190.4	292.7	500.0
19-Oct-17	Fine	9:00 - 12:08	114.3	129.3	100.4	292.7	500.0
25-Oct-17	Sunny	9:00 - 12:08	158.1	173.1	166.2	292.7	500.0
31-Oct-17	Sunny	9:00 - 12:08	223.9	230.8	235.4	292.7	500.0

Summary For the Reporting Period (Nov 2016 - Oct 2017)	
Average	143.8
Minimum	78.5
Maximum	235.4

Note: No major dust source observed during the monitoring period

1-Hour TSP Monitoring Result at station: SR77 (Nov 2016 - Oct 2017)



Appendix F
Noise Monitoring Results and their Graphical Presentation

Noise Monitoring Result at SR77

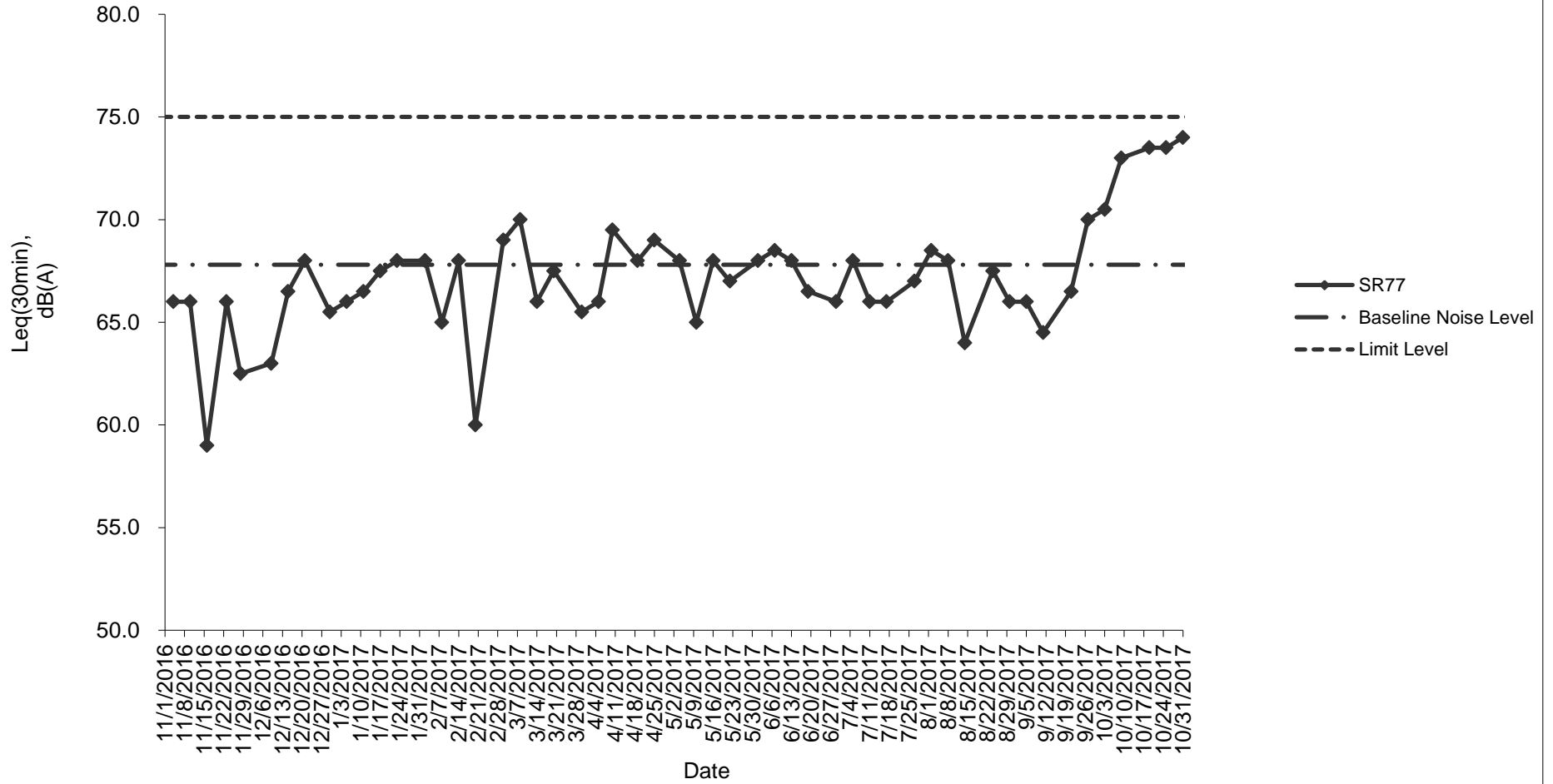
Date	Weather Condition	Start Time	End Time	Measured Noise Level (dB(A))*			Baseline Corrected Level, dB(A)**	Baseline Noise Level (dB(A)), Leq(30min)	Limit Level dB(A)	Exceedance (Y / N)
				L10(30min)	L90(30min)	Leq(30min)				
2016/11/04	Sunny	11:30	12:00	92.0	59.5	66.0	-	67.8	75.0	N
2016/11/10	Cloudy	11:30	12:00	92.0	62.0	66.0	-	67.8	75.0	N
2016/11/16	Sunny	13:30	14:00	87.0	54.0	59.0	-	67.8	75.0	N
2016/11/23	Rainy	16:30	17:00	91.0	63.0	66.0	-	67.8	75.0	N
2016/11/28	Sunny	11:30	12:00	88.0	67.0	62.5	-	67.8	75.0	N
2016/12/09	Fine	11:30	12:00	89.0	56.0	63.0	-	67.8	75.0	N
2016/12/15	Sunny	11:30	12:00	95.0	57.0	66.5	-	67.8	75.0	N
2016/12/21	Cloudy	11:30	12:00	86.0	65.0	68.0	-	67.8	75.0	N
2016/12/30	Cloudy	11:30	12:00	90.0	60.5	65.5	-	67.8	75.0	N
2017/01/05	Cloudy	11:30	12:00	90.5	54.0	66.0	-	67.8	75.0	N
2017/01/11	Cloudy	11:30	12:00	90.0	63.5	66.5	-	67.8	75.0	N
2017/01/17	Cloudy	11:30	12:00	85.5	66.5	67.5	-	67.8	75.0	N
2017/01/23	Sunny	11:30	12:00	91.0	66.0	68.0	-	67.8	75.0	N
2017/02/02	Fine	11:30	12:00	87.0	65.0	68.0	-	67.8	75.0	N
2017/02/08	Fine	11:30	12:00	95.0	59.0	65.0	-	67.8	75.0	N
2017/02/14	Sunny	11:30	12:00	98.0	61.0	68.0	-	67.8	75.0	N
2017/02/20	Sunny	11:30	12:00	93.0	55.0	60.0	-	67.8	75.0	N
2017/03/02	Sunny	11:30	12:00	93.0	61.0	69.0	-	67.8	75.0	N
2017/03/08	Fine	11:30	12:00	97.0	65.0	70.0	-	67.8	75.0	N
2017/03/14	Cloudy	11:30	12:00	95.0	62.0	66.0	-	67.8	75.0	N
2017/03/20	Sunny	11:03	11:33	99.0	62.5	67.5	-	67.8	75.0	N
2017/03/30	Sunny	11:30	12:00	97.0	58.0	65.5	-	67.8	75.0	N
2017/04/05	Sunny	11:30	12:00	93.5	58.0	66.0	-	67.8	75.0	N
2017/04/10	Fine	11:30	12:00	95.0	63.0	69.5	-	67.8	75.0	N
2017/04/19	Sunny	11:30	12:00	98.0	65.0	68.0	-	67.8	75.0	N
2017/04/25	Cloudy	11:30	12:00	89.0	59.0	69.0	-	67.8	75.0	N
2017/05/04	Rainy	11:30	12:00	88.0	66.5	68.0	-	67.8	75.0	N
2017/05/10	Cloudy	11:30	12:00	91.0	60.0	65.0	-	67.8	75.0	N
2017/05/16	Cloudy	11:30	12:00	93.0	61.5	68.0	-	67.8	75.0	N
2017/05/22	Cloudy	11:30	12:00	92.0	62.0	67.0	-	67.8	75.0	N
2017/06/01	Cloudy	11:30	12:00	95.0	59.5	68.0	-	67.8	75.0	N
2017/06/07	Fine	11:30	12:00	93.0	56.0	68.5	-	67.8	75.0	N
2017/06/13	Cloudy	11:30	12:00	97.0	62.5	68.0	-	67.8	75.0	N
2017/06/19	Rainy	11:30	12:00	93.5	58.0	66.5	-	67.8	75.0	N
2017/06/29	Fine	11:30	12:00	89.0	57.5	66.0	-	67.8	75.0	N
2017/07/05	Cloudy	11:30	12:00	89.0	57.0	68.0	-	67.8	75.0	N
2017/07/11	Cloudy	11:30	12:00	90.0	62.0	66.0	-	67.8	75.0	N
2017/07/17	Cloudy	11:30	12:00	93.0	60.0	66.0	-	67.8	75.0	N
2017/07/27	Fine	11:30	12:00	93.5	57.0	67.0	-	67.8	75.0	N
2017/08/02	Fine	11:30	12:00	97.0	61.0	68.5	-	67.8	75.0	N
2017/08/08	Sunny	11:00	11:30	95.0	56.0	68.0	-	67.8	75.0	N
2017/08/14	Sunny	11:30	12:00	95.0	55.0	64.0	-	67.8	75.0	N
2017/08/24	Sunny	11:30	12:00	92.5	56.5	67.5	-	67.8	75.0	N
2017/08/30	Fine	11:30	12:00	99.0	58.0	66.0	-	67.8	75.0	N
2017/09/05	Fine	11:30	12:00	92.5	57.5	66.0	-	67.8	75.0	N
2017/09/11	Sunny	11:30	12:00	91.0	55.0	64.5	-	67.8	75.0	N
2017/09/21	Fine	11:30	12:00	92.0	57.0	66.5	-	67.8	75.0	N
2017/09/27	Fine	11:30	12:00	76.0	62.0	70.0	-	67.8	75.0	N
2017/10/03	Sunny	11:30	12:00	74.5	61.5	70.5	-	67.8	75.0	N
2017/10/09	Cloudy	11:30	12:00	89.0	64.5	73.0	-	67.8	75.0	N
2017/10/19	Fine	11:30	12:00	93.5	62.0	73.5	-	67.8	75.0	N
2017/10/25	Sunny	11:30	12:00	92.5	59.5	73.5	-	67.8	75.0	N
2017/10/31	Sunny	11:30	12:00	93.0	59.0	74.0	-	67.8	75.0	N

Summary For the Reporting Period (Nov 2016 - Oct 2017)	
Average	67.2
Minimum	59.0
Maximum	74.0

Remarks

- * +3dB(A) Façade effect correction included
- ** Baseline corrected level is only calculated when measured noise level (Leq) > limit level.
- *** Data in **Underline** denotes exceedance of respective Limit Level

Noise monitoring result: SR77 (Nov 2016 - Oct 2017)



Project Name: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure works - Contract 3
 Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling - Stage 2

Date of Monitoring 12/2/2016 Weather : Cloudy

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	9:46	<0.5	20.2	20.2	7.1	7.1	6.7	6.7	71.1	71.2	6.6	6.6	<0.1	<0.1	12.0	12.0
			20.2		7.1		6.7		71.2		6.6					
C3b	9:18	<0.5	19.2	19.2	7.3	7.3	7.0	7.0	75.9	75.9	6.8	6.8	<0.1	<0.1	8.1	8.2
			19.2		7.3		7.0		75.9		6.8					
I5	9:28	<0.5	19.0	19.0	7.3	7.3	7.0	7.0	75.4	75.4	6.0	6.0	<0.1	<0.1	5.5	6.6
			19.0		7.3		7.0		75.4		6.0					

Date of Monitoring 12/5/2016 Weather : Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:10	<0.5	24.8	24.8	6.9	6.9	7.1	7.1	85.9	85.9	12.7	12.7	<0.1	<0.1	11.0	11.0
			24.8		6.9		7.1		85.9		12.7					
C3b	11:40	<0.5	23.4	23.4	7.3	7.3	7.6	7.6	89.1	89.1	13.5	13.5	<0.1	<0.1	14.0	14.0
			23.4		7.3		7.6		89.1		13.5					
I5	11:59	<0.5	24.8	24.8	7.3	7.3	8.6	8.6	103.6	103.6	7.7	7.7	<0.1	<0.1	7.4	6.9
			24.8		7.3		8.6		103.6		7.7					

Date of Monitoring 12/7/2016 Weather : Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	9:00	<0.5	19.8	19.8	6.8	6.8	6.6	6.6	72.3	72.3	20.0	20.0	<0.1	<0.1	22.0	27.0
			19.8		6.8		6.6		72.3		20.0					
C3b	9:26	<0.5	19.1	19.1	7.4	7.4	8.5	8.5	92.0	92.0	3.9	3.9	<0.1	<0.1	3.6	3.6
			19.1		7.4		8.5		92.0		3.9					
I5	9:38	<0.5	19.0	19.0	7.3	7.3	9.4	9.4	100.9	100.9	4.0	4.0	<0.1	<0.1	4.1	3.9
			19.0		7.3		9.4		100.9		4.0					

Date of Monitoring 12/9/2016 Weather : Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	8:59	<0.5	18.0	18.0	7.0	7.0	7.2	7.2	76.0	76.0	5.9	5.9	<0.1	<0.1	7.6	6.7
			18.0		7.0		7.2		76.0		5.9					
C3b	9:25	<0.5	18.0	18.0	7.3	7.3	8.8	8.8	92.7	92.7	3.2	3.2	<0.1	<0.1	2.9	2.9
			18.0		7.3		8.8		92.7		3.2					
I5	9:38	<0.5	17.5	17.5	7.3	7.3	9.1	9.1	95.3	95.3	3.9	3.9	<0.1	<0.1	2.6	2.7
			17.5		7.3		9.1		95.3		3.9					

Date of Monitoring 12/12/2016 Weather : Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	12:04	<0.5	24.0	24.0	7.0	7.0	6.0	6.0	71.4	71.3	14.1	14.2	<0.1	<0.1	16.0	16.0
			24.0		7.0		6.0		71.2		14.2					
C3b	11:12	<0.5	22.7	22.7	7.4	7.4	9.6	9.6	110.0	110.0	5.0	4.9	<0.1	<0.1	5.3	5.6
			22.7		7.4		9.6		110.9		4.8					
I5	11:19	<0.5	21.5	21.5	7.3	7.3	6.0	6.0	67.8	67.9	4.1	4.0	<0.1	<0.1	3.8	3.8
			21.5		7.3		6.0		68.0		3.9					

Date of Monitoring 12/14/2016 Weather : Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	10:49	<0.5	22.6	22.6	7.2	7.2	7.4	7.4	85.3	85.3	20.0	20.0	<0.1	<0.1	18.0	18.0
			22.6		7.2		7.4		85.3		20.0					
C3b	11:14	<0.5	21.1	21.1	7.4	7.4	7.9	7.9	88.7	88.7	7.7	7.7	<0.1	<0.1	6.0	6.0
			21.1		7.4		7.9		88.7		7.7					
I5	11:30	<0.5	21.9	21.9	7.2	7.2	9.9	9.9	113.1	113.1	4.0	4.0	<0.1	<0.1	3.8	3.7
			21.9		7.2		9.9		113.1		4.0					

Date of Monitoring 12/16/2016 Weather : Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:34	<0.5	19.8	19.8	7.7	7.7	8.6	8.6	94.2	94.2	9.9	9.9	<0.1	<0.1	5.2	6.3
			19.8		7.7		8.6		94.2		9.9					
C3b	11:55	<0.5	18.0	18.0	7.6	7.6	8.9	8.9	93.9	93.9	5.6	5.6	<0.1	<0.1	4.2	4.4
			18.0		7.6		8.9		93.9		5.6					
I5	12:09	<0.5	19.1	19.1	7.6	7.6	11.5	11.5	124.2	124.2	6.5	6.5	<0.1	<0.1	6.2	7.3
			19.1		7.6		11.5		124.2		6.5					

Date of Monitoring 12/19/2016 Weather : Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:10	<0.5	22.7	22.7	7.4	7.4	7.0	7.0	81.0	81.0	15.1	15.1	<0.1	<0.1	10.0	9.9
			22.7		7.4		7.0		81.0		15.1					
C3b	11:38	<0.5	20.8	20.8	7.3	7.3	7.6	7.6	84.4	84.4	4.0	4.0	<0.1	<0.1	2.6	2.9
			20.8		7.3		7.6		84.4		4.0					
I5	11:55	<0.5	23.0	23.0	7.3	7.3	10.1	10.1	118.2	118.2	4.7	4.7	<0.1	<0.1	4.5	4.7
			23.0		7.3		10.1		118.2		4.7					

Date of Monitoring 12/21/2016 Weather : Cloudy

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	16:15	<0.5	22.6	22.6	7.0	7.0	6.0	6.0	69.8	69.8	22.0	22.0	<0.1	<0.1	11.0	14.0
			22.6		7.0		6.0		69.8		22.0					
C3b	16:33	<0.5	21.6	21.6	7.1	7.1	7.4	7.4	84.2	84.2	5.6	5.6	<0.1	<0.1	4.3	4.2
			21.6		7.1		7.4		84.2		5.6					
I5	16:45	<0.5	22.5	22.5	7.1	7.1	8.7	8.7	100.9	100.9	7.8	7.8	<0.1	<0.1	4.8	5.7
			22.5		7.1		8.7		100.9		7.8					

Date of Monitoring 12/23/2016 Weather : Cloudy

NOTE:
 Data in **Bold** denotes exceedance of respective Action Level
 Data in **Bold Underline** denotes exceedance of respective Limit Level

Project Name: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure works - Contract 3
 Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling - Stage 2

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:07	<0.5	20.7	20.7	6.5	6.5	6.5	6.5	73.0	73.0	18.4	16.4	<0.1	<0.1	15.0	15.0
			20.7		6.5		6.5		73.0		16.4					
C3b	11:25	<0.5	20.0	20.0	6.8	6.8	7.8	7.8	86.1	86.1	7.8	7.8	<0.1	<0.1	6.6	6.7
			20.0		6.8		7.8		86.1		7.8					
I5	11:34	<0.5	20.6	20.6	7.1	7.1	9.9	9.9	110.5	110.5	8.4	8.4	<0.1	<0.1	5.3	5.3
			20.6		7.1		9.9		110.5		8.4					

Date of Monitoring 12/28/2016 Weather : Cloudy

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:12	<0.5	17.2	17.2	6.9	6.9	8.3	8.3	86.7	86.7	9.8	9.8	<0.1	<0.1	9.0	8.6
			17.2		6.9		8.3		86.7		9.8					
C3b	11:32	<0.5	16.5	16.5	7.0	7.0	8.8	8.8	89.7	89.7	10.4	10.4	<0.1	<0.1	5.8	5.0
			16.5		7.0		8.8		89.7		10.4					
I5	11:46	<0.5	16.7	16.7	7.1	7.1	10.9	10.9	112.2	112.2	5.2	5.2	<0.1	<0.1	5.3	4.7
			16.7		7.1		10.9		112.2		5.2					

Date of Monitoring 12/30/2016 Weather : Cloudy

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:19	<0.5	20.1	20.1	6.5	6.5	7.8	7.8	86.1	86.1	20.2	20.2	<0.1	<0.1	15.0	15.5
			20.1		6.5		7.8		86.1		20.2					
C3b	11:41	<0.5	17.6	17.6	6.7	6.7	8.8	8.8	92.7	92.7	5.8	5.8	<0.1	<0.1	3.6	4.0
			17.6		6.7		8.8		92.7		5.8					
I5	11:52	<0.5	19.5	19.5	6.9	6.9	9.2	9.2	100.4	100.4	20.9	20.9	<0.1	<0.1	15.0	15.0
			19.5		6.9		9.2		100.4		20.9					

NOTE:
 Data in **Bold** denotes exceedance of respective Action Level
 Data in **Bold Underline** denotes exceedance of respective Limit Level

Project Name: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure works - Contract 3
 Suspended Solid (October 20 Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling - Stage 2

Date of Monitoring 1/3/2017 Weather: Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:23	<0.5	22.3	22.3	6.3	6.3	7.1	7.1	82.1	82.1	17.0	17.0	<0.1	<0.1	12.0	12.5
			22.3		6.3		7.1		82.1		17.0		<0.1		13.0	
C3b	11:43	<0.5	20.8	20.8	6.7	6.7	7.6	7.6	84.8	84.8	5.9	5.9	<0.1	<0.1	3.1	3.3
			20.8		6.7		7.6		84.8		5.9		<0.1		3.4	
I5	11:55	<0.5	22.5	22.5	6.9	6.9	9.5	9.5	109.5	109.5	4.8	4.8	<0.1	<0.1	<2.5	<2.5
			22.5		6.9		9.5		109.5		4.8		<0.1		<2.5	

Date of Monitoring 1/5/2017 Weather: Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:14	<0.5	22.8	22.8	6.4	6.4	7.6	7.6	88.5	88.5	17.2	17.2	<0.1	<0.1	13.0	12.5
			22.8		6.4		7.6		88.5		17.2		<0.1		12.0	
C3b	11:34	<0.5	21.5	21.5	6.6	6.6	7.7	7.7	86.7	86.7	8.9	8.9	<0.1	<0.1	6.4	6.4
			21.5		6.6		7.7		86.7		8.9		<0.1		6.3	
I5	11:48	<0.5	23.0	23.0	6.8	6.8	8.9	8.9	104.2	104.2	5.8	5.8	<0.1	<0.1	5.1	4.6
			23.0		6.8		8.9		104.2		5.8		<0.1		4.1	

Date of Monitoring 1/7/2017 Weather: Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	9:13	<0.5	20.9	20.9	6.2	6.2	5.8	5.8	64.5	64.5	16.7	16.7	<0.1	<0.1	13.0	11.5
			20.9		6.2		5.8		64.5		16.7		<0.1		10.0	
C3b	9:36	<0.5	20.6	20.6	6.6	6.6	7.4	7.4	82.2	82.2	16.7	16.7	<0.1	<0.1	9.8	9.3
			20.6		6.6		7.4		82.2		16.7		<0.1		8.8	
I5	9:49	<0.5	20.6	20.6	6.8	6.8	7.1	7.1	78.9	78.9	5.1	5.1	<0.1	<0.1	<2.5	<2.5
			20.6		6.8		7.1		78.9		5.1		<0.1		<2.5	

Date of Monitoring 1/9/2017 Weather: Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:16	<0.5	22.1	22.1	6.4	6.4	7.4	7.4	85.3	85.3	16.5	16.5	<0.1	<0.1	6.3	6.2
			22.1		6.4		7.4		85.3		16.5		<0.1		6.0	
C3b	11:41	<0.5	21.2	21.2	6.9	6.9	7.6	7.6	85.3	85.3	29.0	29.0	<0.1	<0.1	16.0	17.0
			21.2		6.9		7.6		85.3		29.0		<0.1		18.0	
I5	11:54	<0.5	22.4	22.4	7.0	7.0	8.6	8.6	99.6	99.6	8.0	8.0	<0.1	<0.1	5.1	5.1
			22.4		7.0		8.6		99.6		8.0		<0.1		5.0	

Date of Monitoring 1/11/2017 Weather: Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:11	<0.5	21.6	21.6	7.0	7.0	7.4	7.4	83.9	83.9	11.5	11.5	<0.1	<0.1	8.3	8.6
			21.6		7.0		7.4		83.9		11.5		<0.1		8.8	
C3b	11:36	<0.5	20.7	20.7	6.9	6.9	7.6	7.6	85.2	85.2	73.2	73.2	<0.1	<0.1	38.0	38.5
			20.7		6.9		7.6		85.2		73.2		<0.1		39.0	
I5	11:51	<0.5	21.6	21.6	6.9	6.9	8.6	8.6	97.2	97.2	29.7	29.7	<0.1	<0.1	15.0	16.0
			21.6		6.9		8.6		97.2		29.7		<0.1		17.0	

Date of Monitoring 1/13/2017 Weather: Cloudy

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:05	<0.5	17.7	17.7	6.3	6.3	7.6	7.6	79.4	79.4	9.9	9.9	<0.1	<0.1	4.7	5.6
			17.7		6.3		7.6		79.4		9.9		<0.1		6.4	
C3b	11:28	<0.5	17.6	17.6	6.7	6.7	7.9	7.9	82.7	82.7	25.1	25.1	<0.1	<0.1	13.0	13.5
			17.6		6.7		7.9		82.7		25.1		<0.1		14.0	
I5	11:42	<0.5	17.4	17.4	7.0	7.0	7.5	7.5	78.1	78.1	7.2	7.2	<0.1	<0.1	2.7	2.9
			17.4		7.0		7.5		78.1		7.2		<0.1		3.0	

Date of Monitoring 1/16/2017 Weather: Cloudy

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:03	<0.5	17.5	17.5	6.3	6.3	7.0	7.0	73.5	73.5	11.6	11.6	<0.1	<0.1	2.6	2.6
			17.5		6.3		7.0		73.5		11.6		<0.1		<2.5	
C3b	11:26	<0.5	17.3	17.3	6.7	6.7	7.9	7.9	82.3	82.3	9.6	9.6	<0.1	<0.1	5.9	6.1
			17.3		6.7		7.9		82.3		9.6		<0.1		6.3	
I5	11:41	<0.5	17.4	17.4	7.0	7.0	7.4	7.4	77.2	77.2	5.9	5.9	<0.1	<0.1	5.3	5.3
			17.4		7.0		7.4		77.2		5.9		<0.1		5.3	

Date of Monitoring 1/18/2017 Weather: Cloudy

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:11	<0.5	20.3	20.3	6.5	6.5	6.2	6.2	68.4	68.4	14.7	14.7	<0.1	<0.1	14.0	11.7
			20.3		6.5		6.2		68.4		14.7		<0.1		9.3	
C3b	11:33	<0.5	19.6	19.6	6.8	6.8	7.8	7.8	84.9	84.9	11.0	11.0	<0.1	<0.1	6.4	7.2
			19.6		6.8		7.8		84.9		11.0		<0.1		7.9	
I5	11:45	<0.5	19.9	19.9	7.0	7.0	7.1	7.1	78.2	78.2	7.4	7.4	<0.1	<0.1	4.9	4.4
			19.9		7.0		7.1		78.2		7.4		<0.1		3.9	

Date of Monitoring 1/20/2017 Weather: Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:12	<0.5	20.2	20.2	6.2	6.2	7.1	7.1	78.7	78.7	17.4	17.4	<0.1	<0.1	12.0	12.5
			20.2		6.2		7.1		78.7		17.4		<0.1		13.0	
C3b	11:34	<0.5	19.0	19.0	6.7	6.7	7.8	7.8	84.3	84.3	10.9	10.9	<0.1	<0.1	7.9	8.1
			19.0		6.7		7.8		84.3		10.9		<0.1		8.3	
I5	11:46	<0.5	20.2	20.2	6.9	6.9	8.0	8.0	88.9	88.9	11.6	11.6	<0.1	<0.1	7.0	6.5
			20.2		6.9		8.0		88.9		11.6		<0.1		5.9	

Date of Monitoring 1/23/2017 Weather: Cloudy

NOTE:
 Data in **Bold** denotes exceedance of respective Action Level
 Data in **Bold Underline** denotes exceedance of respective Limit Level

Project Name: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure works - Contract 3
 Suspended Solid (October 20 Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling - Stage 2

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:10	<0.5	19.6	19.6	6.3	6.3	6.9	6.9	75.5	75.5	12.7	12.7	<0.1	<0.1	7.0	7.8
			19.6		6.3		6.9		75.5		12.7		<0.1		8.6	
			18.3		6.7		8.2		87.4		10.5		<0.1		11.0	
C3b	11:32	<0.5	18.3	18.3	6.7	6.7	8.2	8.2	87.4	87.4	10.5	10.5	<0.1	<0.1	7.4	9.2
			18.3		6.7		8.2		87.4		10.5		<0.1		7.4	
			18.8		7.0		8.4		90.4		7.0		<0.1		4.5	
I5	11:43	<0.5	18.8	18.8	7.0	7.0	8.4	8.4	90.4	90.4	7.0	7.0	<0.1	<0.1	3.1	3.8
			18.8		7.0		8.4		90.4		7.0		<0.1		3.1	
			18.8		7.0		8.4		90.4		7.0		<0.1		3.1	

Date of Monitoring 1/25/2017 Weather : Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:07	<0.5	20.9	20.9	6.4	6.4	7.1	7.1	79.2	79.2	13.1	13.1	<0.1	<0.1	6.9	6.9
			20.9		6.4		7.1		79.2		13.1		<0.1		6.9	
			19.7		6.8		8.1		88.6		7.5		<0.1		3.7	
C3b	11:29	<0.5	19.7	19.7	6.8	6.8	8.1	8.1	88.6	88.6	7.5	7.5	<0.1	<0.1	3.9	3.8
			19.7		6.8		8.1		88.6		7.5		<0.1		3.9	
			20.5		7.0		8.2		90.7		6.9		<0.1		3.0	
I5	11:43	<0.5	20.5	20.5	7.0	7.0	8.2	8.2	90.7	90.7	6.9	6.9	<0.1	<0.1	3.4	3.2
			20.5		7.0		8.2		90.7		6.9		<0.1		3.4	
			20.5		7.0		8.2		90.7		6.9		<0.1		3.4	

Date of Monitoring 1/25/2017 Weather : Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:06	<0.5	19.9	19.9	6.4	6.4	7.9	7.9	87.1	87.1	15.0	15.0	<0.1	<0.1	14.0	14.5
			19.9		6.4		7.9		87.1		15.0		<0.1		15.0	
			18.9		6.7		7.9		85.2		9.2		<0.1		4.6	
C3b	11:32	<0.5	18.9	18.9	6.7	6.7	7.9	7.9	85.2	85.2	9.2	9.2	<0.1	<0.1	4.0	4.3
			18.9		6.7		7.9		85.2		9.2		<0.1		4.0	
			19.6		6.9		8.0		87.7		5.7		<0.1		<2.5	
I5	11:47	<0.5	19.6	19.6	6.9	6.9	8.0	8.0	87.7	87.7	5.7	5.7	<0.1	<0.1	2.8	2.8
			19.6		6.9		8.0		87.7		5.7		<0.1		2.8	
			19.6		6.9		8.0		87.7		5.7		<0.1		2.8	

NOTE:
 Data in **Bold** denotes exceedance of respective Action Level
 Data in **Bold Underline** denotes exceedance of respective Limit Level

Project Name: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure works - Contract 3
 Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling - Stage 2

Date of Monitoring: 2/1/2017 Weather: Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)	pH	DO (mg/L)	DO (% saturation)	Turbidity (NTU)	Salinity (g/L)	SS (mg/L)
			Average Value	Average Value	Average Value	Average Value	Average Value	Average Value	Average Value
C3a	11:07	<0.5	20.8	6.3	7.4	83.2	14.4	<0.1	11
C3b	11:32	<0.5	20.0	6.6	7.6	83.3	7.6	<0.1	3.85
I5	11:48	<0.5	20.8	7.0	7.9	88.6	6.3	<0.1	2.8

Date of Monitoring: 2/3/2017 Weather: Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)	pH	DO (mg/L)	DO (% saturation)	Turbidity (NTU)	Salinity (g/L)	SS (mg/L)
			Average Value	Average Value	Average Value	Average Value	Average Value	Average Value	Average Value
C3a	11:08	<0.5	18.9	6.4	7.2	77.5	12.9	<0.1	13.05
C3b	11:36	<0.5	18.7	6.7	8.0	85.2	7.5	<0.1	3.65
I5	11:50	<0.5	19.1	6.9	7.4	79.5	5.6	<0.1	2.8

Date of Monitoring: 2/6/2017 Weather: Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)	pH	DO (mg/L)	DO (% saturation)	Turbidity (NTU)	Salinity (g/L)	SS (mg/L)
			Average Value	Average Value	Average Value	Average Value	Average Value	Average Value	Average Value
C3a	11:22	<0.5	22.2	6.4	7.7	88.2	21.4	<0.1	25.5
C3b	11:44	<0.5	20.5	6.6	7.2	80.0	7.5	<0.1	5.8
I5	11:56	<0.5	21.5	6.8	6.8	77.4	5.7	<0.1	<2.5

Date of Monitoring: 2/8/2017 Weather: Cloudy

Monitoring Location	Time	Water Depth (m)	Temperature (°C)	pH	DO (mg/L)	DO (% saturation)	Turbidity (NTU)	Salinity (g/L)	SS (mg/L)
			Average Value	Average Value	Average Value	Average Value	Average Value	Average Value	Average Value
C3a	8:44	<0.5	18.4	6.3	5.7	60.3	14.3	<0.1	17.95
C3b	9:09	<0.5	18.3	6.5	6.6	70.1	7.6	<0.1	5.75
I5	9:22	<0.5	18.3	6.8	5.2	55.0	6.1	<0.1	3.2

Date of Monitoring: 2/10/2017 Weather: Cloudy

Monitoring Location	Time	Water Depth (m)	Temperature (°C)	pH	DO (mg/L)	DO (% saturation)	Turbidity (NTU)	Salinity (g/L)	SS (mg/L)
			Average Value	Average Value	Average Value	Average Value	Average Value	Average Value	Average Value
C3a	12:26	<0.5	16.9	6.6	8.6	88.5	17.0	<0.1	18
C3b	11:50	<0.5	16.1	6.5	9.3	94.5	11.2	<0.1	7.3
I5	12:01	<0.5	15.2	6.7	8.5	85.1	8.1	<0.1	5.9

Date of Monitoring: 2/13/2017 Weather: Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)	pH	DO (mg/L)	DO (% saturation)	Turbidity (NTU)	Salinity (g/L)	SS (mg/L)
			Average Value	Average Value	Average Value	Average Value	Average Value	Average Value	Average Value
C3a	11:17	<0.5	19.1	6.4	8.6	93.1	18.2	<0.1	14
C3b	11:46	<0.5	18.2	6.6	7.8	83.2	8.5	<0.1	4.15
I5	11:56	<0.5	18.0	7.1	8.1	85.3	6.4	<0.1	<2.5

Date of Monitoring: 2/15/2017 Weather: Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)	pH	DO (mg/L)	DO (% saturation)	Turbidity (NTU)	Salinity (g/L)	SS (mg/L)
			Average Value	Average Value	Average Value	Average Value	Average Value	Average Value	Average Value
C3a	10:54	<0.5	18.8	6.6	9.7	103.7	24.4	<0.1	34.5
C3b	11:10	<0.5	18.1	6.8	8.1	86.3	10.0	<0.1	14.5
I5	11:23	<0.5	18.5	7.2	7.6	80.7	11.1	<0.1	15

Date of Monitoring: 2/17/2017 Weather: Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)	pH	DO (mg/L)	DO (% saturation)	Turbidity (NTU)	Salinity (g/L)	SS (mg/L)
			Average Value	Average Value	Average Value	Average Value	Average Value	Average Value	Average Value
C3a	11:07	<0.5	21.4	6.7	8.9	101.1	17.4	<0.1	16.5
C3b	11:31	<0.5	20.5	6.9	8.2	91.0	8.6	<0.1	10.5
I5	11:42	<0.5	21.0	7.0	8.8	98.8	12.4	<0.1	10.35

Project Name: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure works - Contract 3
Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling - Stage 2

Date of Monitoring: 2/20/2017 Weather: Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)	pH	DO (mg/L)	DO (% saturation)	Turbidity (NTU)	Salinity (g/L)	SS (mg/L)
			Average Value	Average Value	Average Value	Average Value	Average Value	Average Value	Average Value
C3a	11:28	<0.5	22.9	7.1	8.4	85.0	12.9	<0.1	11.5
C3b	11:57	<0.5	21.5	7.1	9.0	92.1	9.0	<0.1	12
I5	12:08	<0.5	22.2	7.3	8.3	82.4	5.7	<0.1	4.75

Date of Monitoring: 2/22/2017 Weather: Cloudy

Monitoring Location	Time	Water Depth (m)	Temperature (°C)	pH	DO (mg/L)	DO (% saturation)	Turbidity (NTU)	Salinity (g/L)	SS (mg/L)
			Average Value	Average Value	Average Value	Average Value	Average Value	Average Value	Average Value
C3a	11:27	<0.5	21.1	7.0	8.6	95.6	32.8	<0.1	24.5
C3b	11:49	<0.5	20.7	7.1	8.8	98.8	12.6	<0.1	10.25
I5	12:01	<0.5	22.0	7.2	9.1	103.8	23.5	<0.1	14

Date of Monitoring: 2/24/2017 Weather: Cloudy

Monitoring Location	Time	Water Depth (m)	Temperature (°C)	pH	DO (mg/L)	DO (% saturation)	Turbidity (NTU)	Salinity (g/L)	SS (mg/L)
			Average Value	Average Value	Average Value	Average Value	Average Value	Average Value	Average Value
C3a	11:22	<0.5	15.7	6.6	9.5	95.7	13.2	<0.1	12.5
C3b	11:46	<0.5	15.6	7.1	8.3	83.5	29.5	<0.1	21.5
I5	11:59	<0.5	14.9	7.3	9.2	91.4	6.9	<0.1	5.95

Date of Monitoring: 2/27/2017 Weather: Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)	pH	DO (mg/L)	DO (% saturation)	Turbidity (NTU)	Salinity (g/L)	SS (mg/L)
			Average Value	Average Value	Average Value	Average Value	Average Value	Average Value	Average Value
C3a	11:36	<0.5	19.3	7.0	8.5	91.7	31.6	<0.1	38
C3b	11:56	<0.5	18.3	7.1	8.0	85.3	8.2	<0.1	9
I5	12:09	<0.5	20.3	7.2	7.9	87.5	24.7	<0.1	15

Project Name: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure works - Contract 3
Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling - Stage 2

Date of Monitoring: 3/1/2017 Weather : Cloudy

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:19	<0.5	20.3	20.3	6.5	6.5	8.0	8.3	88.3	91.2	21.5	21.5	<0.1	<0.1	21.0	21.0
			20.3		6.5		8.5		94.0		21.5					
C3b	11:43	<0.5	19.4	19.4	6.9	6.9	8.6	8.6	94.1	93.9	10.1	10.1	<0.1	<0.1	7.7	9.4
			19.4		6.9		8.6		93.7		10.1					
I5	11:59	<0.5	19.9	19.9	7.1	7.1	7.9	8.1	87.3	89.0	15.2	15.2	<0.1	<0.1	8.9	8.6
			19.9		7.1		8.2		90.7		15.2					

Date of Monitoring: 3/3/2017 Weather : Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	12:08	<0.5	21.6	21.6	6.7	6.7	7.9	8.2	89.6	92.7	25.5	25.5	<0.1	<0.1	15	17.0
			21.6		6.7		8.4		95.8		25.5					
C3b	12:30	<0.5	19.8	19.8	6.9	6.9	8.2	8.5	90.2	93.0	7.6	7.6	<0.1	<0.1	7.5	7.4
			19.8		6.9		8.7		95.7		7.6					
I5	12:41	<0.5	21.3	21.3	7.1	7.1	7.4	7.8	83.9	88.0	22.5	22.5	<0.1	<0.1	15	15.5
			21.3		7.1		8.1		92.1		22.5					

Date of Monitoring: 3/6/2017 Weather : Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	15:11	<0.5	24.4	24.4	6.7	6.7	8.0	8.0	91.1	91.5	20.4	20.4	<0.1	<0.1	7.3	9.7
			24.4		6.7		8.0		91.8		20.4					
C3b	15:32	<0.5	21.9	21.9	6.9	6.9	8.1	8.1	92.6	92.9	9.1	9.1	<0.1	<0.1	4	4.0
			21.9		6.9		8.1		93.1		9.1					
I5	15:45	<0.5	23.3	23.3	7.1	7.1	7.9	7.9	88.6	88.2	16.4	16.4	<0.1	<0.1	11	11.0
			23.3		7.1		7.9		87.8		16.4					

Date of Monitoring: 3/8/2017 Weather : Rainy

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:34	<0.5	18.2	18.2	6.8	6.8	8.6	9.0	91.1	95.3	43.5	43.5	<0.1	<0.1	29	28.0
			18.2		6.8		9.4		99.5		43.5					
C3b	11:55	<0.5	18.2	18.2	6.9	6.9	9.0	8.8	95.7	93.7	20.4	20.4	<0.1	<0.1	12	12.0
			18.2		6.9		8.6		91.7		20.4					
I5	12:10	<0.5	18.3	18.3	7.1	7.1	8.3	8.3	89.3	89.3	40.9	40.9	<0.1	<0.1	33	33.5
			18.3		7.1		8.3		89.3		40.9					

Date of Monitoring: 3/10/2017 Weather : Cloudy

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:18	<0.5	19.6	19.6	6.4	6.4	8.9	8.8	102.1	100.2	22.1	22.1	<0.1	<0.1	16	16.0
			19.6		6.4		8.6		98.3		22.1					
C3b	11:43	<0.5	19.4	19.4	6.8	6.8	8.5	8.5	96.1	95.9	12.6	12.6	<0.1	<0.1	4.7	5.2
			19.4		6.8		8.5		95.6		12.6					
I5	11:58	<0.5	19.3	19.3	7.1	7.1	8.2	8.2	89.7	89.9	10.3	10.3	<0.1	<0.1	15	15.5
			19.3		7.1		8.2		90.1		10.3					

Date of Monitoring: 3/13/2017 Weather : Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:08	<0.5	22.7	22.7	6.4	6.4	8.8	8.8	102.3	102.1	30.9	30.9	<0.1	<0.1	19	18.5
			22.7		6.4		8.8		101.9		30.9					
C3b	11:34	<0.5	22.5	22.5	6.8	6.8	8.6	8.6	98.9	98.5	9.0	9.0	<0.1	<0.1	3.6	4.7
			22.5		6.8		8.6		98.1		9.0					
I5	11:47	<0.5	22.2	22.2	6.9	6.9	8.2	8.2	88.4	88.7	11.5	11.5	<0.1	<0.1	16	16.5
			22.2		6.9		8.2		88.9		11.5					

Date of Monitoring: 3/15/2017 Weather : Cloudy

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:56	<0.5	19.0	19.0	7.9	7.9	6.9	6.9	73.9	73.9	38.4	38.4	<0.1	<0.1	5.8	7.3
			19.0		7.9		6.9		73.9		38.4					
C3b	12:17	<0.5	18.4	18.4	7.7	7.7	7.1	7.1	75.8	75.8	8.4	8.4	<0.1	<0.1	4.1	3.9
			18.4		7.7		7.1		75.8		8.4					
I5	12:28	<0.5	19.3	19.3	7.8	7.8	7.1	7.1	77.5	77.5	9.0	9.0	<0.1	<0.1	5.0	5.2
			19.3		7.8		7.1		77.5		9.0					

Date of Monitoring: 3/17/2017 Weather : Cloudy

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:41	<0.5	19.4	19.4	7.0	7.0	8.1	8.0	88.0	87.0	29.5	29.5	<0.1	<0.1	32.0	29.5
			19.4		7.0		7.9		86.0		29.5					
C3b	12:04	<0.5	19.3	19.3	7.3	7.3	8.8	8.8	95.7	95.3	3.6	3.6	<0.1	<0.1	4.9	5.4
			19.3		7.3		8.7		94.8		3.6					
I5	12:15	<0.5	19.4	19.4	7.6	7.6	8.8	8.4	96.2	92.1	2.0	2.0	<0.1	<0.1	3.2	3.1
			19.4		7.6		8.0		87.9		2.0					

Date of Monitoring: 3/20/2017 Weather : Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	10:49	<0.5	23.7	23.7	7.3	7.3	6.8	6.8	80.8	80.8	27.7	27.7	<0.1	<0.1	20.0	22.0
			23.7		7.3		6.8		80.8		27.7					
C3b	11:15	<0.5	23.0	23.0	7.3	7.3	6.3	6.3	73.8	73.8	5.5	5.5	<0.1	<0.1	5.3	5.0
			23.0		7.3		6.3		73.8		5.5					
I5	11:26	<0.5	24.6	24.6	7.4	7.4	7.9	7.9	95.3	95.3	5.0	5.0	<0.1	<0.1	3.9	3.5
			24.6		7.4		7.9		95.3		5.0					

Date of Monitoring: 3/22/2017 Weather : Rainy

NOTE:
Data in **Bold** denotes exceedance of respective Action Level
Data in **Bold Underline** denotes exceedance of respective Limit Level

Project Name: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure works - Contract 3
 Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling - Stage 2

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:54	<0.5	19.9	19.9	7.3	7.3	5.5	5.5	60.1	60.1	27.7	27.7	<0.1	<0.1	30.0	34.0
			19.9		7.3		5.5		60.1		27.7		<0.1		38.0	
C3b	12:13	<0.5	19.9	19.9	7.3	7.3	6.5	6.5	71.4	71.4	4.2	4.2	<0.1	<0.1	4.2	4.5
			19.9		7.3		6.5		71.4		4.2		<0.1		4.7	
I5	12:22	<0.5	20.4	20.4	7.6	7.6	6.4	6.4	71.2	71.2	3.8	3.8	<0.1	<0.1	3.2	3.2
			20.4		7.6		6.4		71.2		3.8		<0.1		3.1	

Date of Monitoring: 3/24/2017 Weather: Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:37	<0.5	26.1	26.1	7.1	7.1	6.6	6.6	81.6	81.6	24.2	24.2	<0.1	<0.1	11.0	15.5
			26.1		7.1		6.6		81.6		24.2		<0.1		20.0	
C3b	12:01	<0.5	23.4	23.4	7.0	7.0	6.5	6.5	76.2	76.2	5.2	5.2	<0.1	<0.1	4.1	4.2
			23.4		7.0		6.5		76.2		5.2		<0.1		4.3	
I5	12:12	<0.5	26.9	26.9	7.3	7.3	10.2	10.2	128.0	128.0	3.9	3.9	<0.1	<0.1	4.2	4.1
			26.9		7.3		10.2		128.0		3.9		<0.1		4.0	

Date of Monitoring: 3/27/2017 Weather: Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	13:34	<0.5	23.7	23.7	6.5	6.5	7.2	7.2	84.9	84.9	15.8	15.8	<0.1	<0.1	9.4	11.2
			23.7		6.5		7.2		84.9		15.8		<0.1		13.0	
C3b	13:50	<0.5	20.8	20.8	6.9	6.9	6.8	6.8	76.4	76.4	6.8	6.8	<0.1	<0.1	6.2	6.9
			20.8		6.9		6.8		76.4		6.8		<0.1		7.5	
I5	14:00	<0.5	21.9	21.9	7.2	7.2	7.7	7.7	87.9	87.9	2.2	2.2	<0.1	<0.1	3.3	3.8
			21.9		7.2		7.7		87.9		2.2		<0.1		4.3	

Date of Monitoring: 3/29/2017 Weather: Rainy

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:16	<0.5	21.9	21.9	6.2	6.2	5.9	5.9	66.8	66.8	28.6	28.6	<0.1	<0.1	24.0	25.5
			21.9		6.2		5.9		66.8		28.6		<0.1		27.0	
C3b	11:28	<0.5	21.4	21.4	6.6	6.6	6.6	6.6	74.8	74.8	19.1	19.1	<0.1	<0.1	9.5	9.2
			21.4		6.6		6.6		74.8		19.1		<0.1		8.8	
I5	11:34	<0.5	21.8	21.8	6.9	6.9	6.3	6.3	71.5	71.5	18.4	18.4	<0.1	<0.1	16.0	15.5
			21.8		6.9		6.3		71.5		18.4		<0.1		15.0	

Date of Monitoring: 3/31/2017 Weather: Rainy

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	12:06	<0.5	22.2	22.2	6.3	6.3	5.5	5.5	63.4	63.4	78.7	78.7	<0.1	<0.1	20.0	30.0
			22.2		6.3		5.5		63.4		78.7		<0.1		40.0	
C3b	12:32	<0.5	22.2	22.2	6.4	6.4	6.4	6.4	73.1	73.1	34.6	34.6	<0.1	<0.1	13.0	13.5
			22.2		6.4		6.4		73.1		34.6		<0.1		14.0	
I5	12:42	<0.5	22.2	22.2	6.7	6.7	6.7	6.7	76.6	76.6	66.1	66.1	<0.1	<0.1	41.0	40.5
			22.2		6.7		6.7		76.6		66.1		<0.1		40.0	

NOTE:
 Data in **Bold** denotes exceedance of respective Action Level
 Data in **Bold Underline** denotes exceedance of respective Limit Level

Project Name: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure works - Contract 3
Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling - Stage 2

Date of Monitoring: 4/3/2017 Weather : Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	12:19	<0.5	25.0	25.0	5.9	5.9	7.1	7.1	86.2	86.2	31.6	31.6	<0.1	<0.1	11.0	11.0
			25.0		5.9		7.1		86.2		31.6					
C3b	12:43	<0.5	22.5	22.5	6.2	6.2	6.5	6.5	74.7	74.7	10.9	10.9	<0.1	<0.1	13.0	14.0
			22.5		6.2		6.5		74.7		10.9					
I5	12:54	<0.5	23.8	23.8	6.7	6.7	8.5	8.5	100.0	100.0	12.7	12.7	<0.1	<0.1	6.2	6.0
			23.8		6.7		8.5		100.0		12.7					

Date of Monitoring: 4/5/2017 Weather : Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:58	<0.5	27.2	27.2	6.2	6.2	6.5	6.5	82.4	82.4	24.6	24.6	<0.1	<0.1	13	15.0
			27.2		6.2		6.5		82.4		24.6					
C3b	12:19	<0.5	24.7	24.7	6.4	6.4	6.1	6.1	73.5	73.5	9.9	9.9	<0.1	<0.1	6.3	5.8
			24.7		6.4		6.1		73.5		9.9					
I5	12:28	<0.5	26.1	26.1	6.7	6.7	7.9	7.9	97.1	97.1	7.0	7.0	<0.1	<0.1	3.8	3.7
			26.1		6.7		7.9		97.1		7.0					

Date of Monitoring: 4/7/2017 Weather : Cloudy

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	12:43	<0.5	27.2	27.2	6.1	6.1	5.4	5.4	68.6	68.6	135.0	135.0	<0.1	<0.1	120	120.0
			27.2		6.1		5.4		68.6		135.0					
C3b	13:00	<0.5	24.8	24.8	5.9	5.9	5.8	5.8	70.4	70.4	13.2	13.2	<0.1	<0.1	13	11.0
			24.8		5.9		5.8		70.4		13.2					
I5	13:11	<0.5	25.6	25.6	6.6	6.6	7.8	7.8	95.9	95.9	7.0	7.0	<0.1	<0.1	3.9	5.0
			25.6		6.6		7.8		95.9		7.0					

Date of Monitoring: 4/10/2017 Weather : Cloudy

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	12:07	<0.5	25.6	25.6	6.0	6.0	5.1	5.1	62.3	62.3	67.5	67.5	<0.1	<0.1	74	78.0
			25.6		6.0		5.1		62.3		67.5					
C3b	12:32	<0.5	24.6	24.6	6.2	6.2	5.4	5.4	65.2	65.2	10.2	10.2	<0.1	<0.1	6.6	6.5
			24.6		6.2		5.4		65.2		10.2					
I5	12:45	<0.5	25.3	25.3	6.6	6.6	7.1	7.1	86.2	86.2	6.5	6.5	<0.1	<0.1	6	5.3
			25.3		6.6		7.1		86.2		6.5					

Date of Monitoring: 4/12/2017 Weather : Rainy

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	10:30	<0.5	22.7	22.7	6.0	6.0	5.1	5.1	63.4	63.4	56.0	55.8	<0.1	<0.1	50	53.0
			22.7		6.0		5.1		63.4		56.0					
C3b	10:57	<0.5	21.1	21.1	6.9	6.9	5.6	5.6	66.7	66.7	26.3	26.6	<0.1	<0.1	28	30.0
			21.1		6.9		5.6		66.7		26.8					
I5	11:10	<0.5	21.3	21.3	7.3	7.3	7.2	7.2	87.9	87.9	9.9	9.7	<0.1	<0.1	5.7	5.9
			21.3		7.3		7.2		87.9		9.4					

Date of Monitoring: 4/18/2017 Weather : Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	12:40	<0.5	29.2	29.2	6.2	6.2	6.1	6.1	79.3	79.3	28.2	28.2	<0.1	<0.1	19	19.5
			29.2		6.2		6.1		79.3		28.2					
C3b	12:59	<0.5	26.8	26.8	6.6	6.6	5.8	5.8	72.2	72.2	15.2	15.2	<0.1	<0.1	6.1	7.3
			26.8		6.6		5.8		72.2		15.2					
I5	13:11	<0.5	27.7	27.7	6.8	6.8	6.7	6.7	85.3	85.3	6.9	6.9	<0.1	<0.1	2.5	3.1
			27.7		6.8		6.7		85.3		6.9					

Date of Monitoring: 4/20/2017 Weather : Cloudy

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	10:41	<0.5	27.1	27.1	5.8	5.8	5.3	5.3	66.4	66.4	29.6	29.6	<0.1	<0.1	24.0	26.5
			27.1		5.8		5.3		66.4		29.6					
C3b	10:57	<0.5	25.9	25.9	6.5	6.5	5.5	5.5	67.3	67.3	18.6	18.6	<0.1	<0.1	18.0	17.0
			25.9		6.5		5.5		67.3		18.6					
I5	11:07	<0.5	26.3	26.3	6.7	6.7	5.9	5.9	73.3	73.3	8.3	8.3	<0.1	<0.1	5.7	5.6
			26.3		6.7		5.9		73.3		8.3					

Date of Monitoring: 4/22/2017 Weather : Rainy

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	10:26	<0.5	22.2	22.2	6.8	6.8	5.4	5.4	62.3	62.3	46.5	46.5	<0.1	<0.1	26.0	25.5
			22.2		6.8		5.4		62.3		46.5					
C3b	10:48	<0.5	21.6	21.6	6.8	6.8	6.8	6.8	77.6	77.6	49.8	49.8	<0.1	<0.1	23.0	24.0
			21.6		6.8		6.8		77.6		49.8					
I5	11:11	<0.5	19.6	19.6	6.9	6.9	8.6	8.6	93.6	93.6	31.2	31.2	<0.1	<0.1	19.0	19.5
			19.6		6.9		8.6		93.6		31.2					

Date of Monitoring: 4/24/2017 Weather : Cloudy

Monitoring Location	Time	Water Depth (m)	Temperature (oC)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:06	<0.5	23.5	23.5	6.5	6.5	5.7	5.7	67.0	67.0	45.6	45.6	<0.1	<0.1	36.0	38.5
			23.5		6.5		5.7		67.0		45.6					
C3b	11:21	<0.5	22.4	22.4	7.1	7.1	6.9	6.9	79.8	79.8	25.2	25.2	<0.1	<0.1	12.0	12.0
			22.4		7.1		6.9		79.8		25.2					
I5	11:31	<0.5	22.6	22.6	7.1	7.1	6.0	6.0	69.1	69.1	16.9	16.9	<0.1	<0.1	14.0	13.5
			22.6		7.1		6.0		69.1		16.9					

Date of Monitoring: 4/26/2017 Weather : Cloudy

NOTE:
Data in **Bold** denotes exceedance of respective Action Level
Data in **Bold Underline** denotes exceedance of respective Limit Level

Project Name: Contract No. CV/2012/09 Liantang / Heung Yuen Wai Boundary Control Point Site Formation and Infrastructure works - Contract 3
 Entrusted Portion of Widening of Tolo Highway / Fanling Highway between Island House Interchange and Fanling - Stage 2

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:57	<0.5	24.9	24.9	8.0	8.0	5.5	5.5	66.1	66.1	37.2	37.2	<0.1	<0.1	21.0	19.5
			24.9		8.0		5.5		66.1		37.2		<0.1		18.0	
C3b	12:14	<0.5	24.4	24.4	7.7	7.7	6.4	6.4	76.7	76.7	18.0	18.0	<0.1	<0.1	14.0	12.5
			24.4		7.7		6.4		76.7		18.0		<0.1		11.0	
I5	12:24	<0.5	25.2	25.2	7.4	7.4	6.7	6.7	82.1	82.1	13.5	13.5	<0.1	<0.1	4.5	4.7
			25.2		7.4		6.7		82.1		13.5		<0.1		4.9	

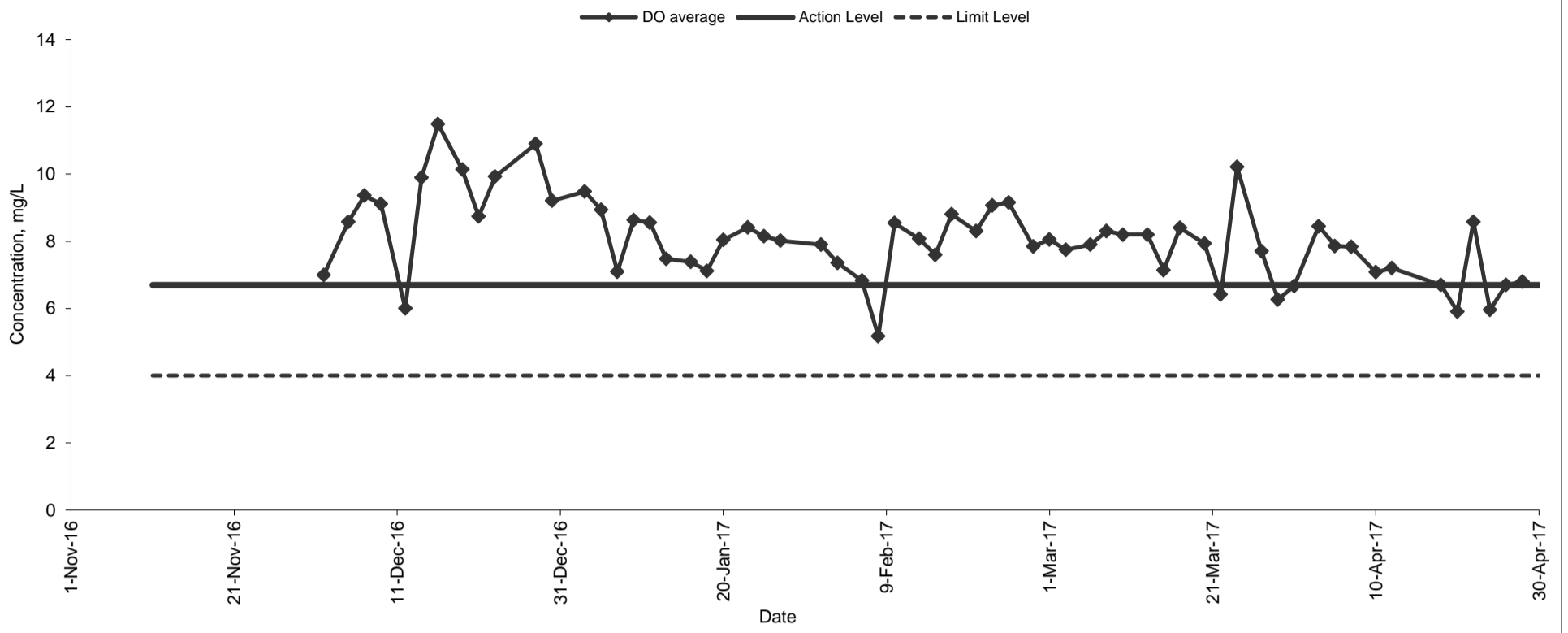
Date of Monitoring: 4/28/2017 Weather : Sunny

Monitoring Location	Time	Water Depth (m)	Temperature (°C)		pH		DO (mg/L)		DO (% saturation)		Turbidity (NTU)		Salinity (g/L)		SS (mg/L)	
			Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average
C3a	11:53	<0.5	25.1	25.1	6.5	6.5	6.4	6.4	73.1	73.1	22.7	22.7	<0.1	<0.1	21.0	20.0
			25.1		6.5		6.4		73.1		22.7		<0.1		19.0	
C3b	12:19	<0.5	24.7	24.7	6.9	6.9	6.2	6.2	72.0	72.0	11.4	11.4	<0.1	<0.1	11.0	10.2
			24.7		6.9		6.2		72.0		11.4		<0.1		9.4	
I5	12:30	<0.5	24.9	24.9	7.1	7.1	6.8	6.8	84.1	84.1	2.8	2.8	<0.1	<0.1	2.5	2.5
			24.9		7.1		6.8		84.1		2.8		<0.1		<2.5	

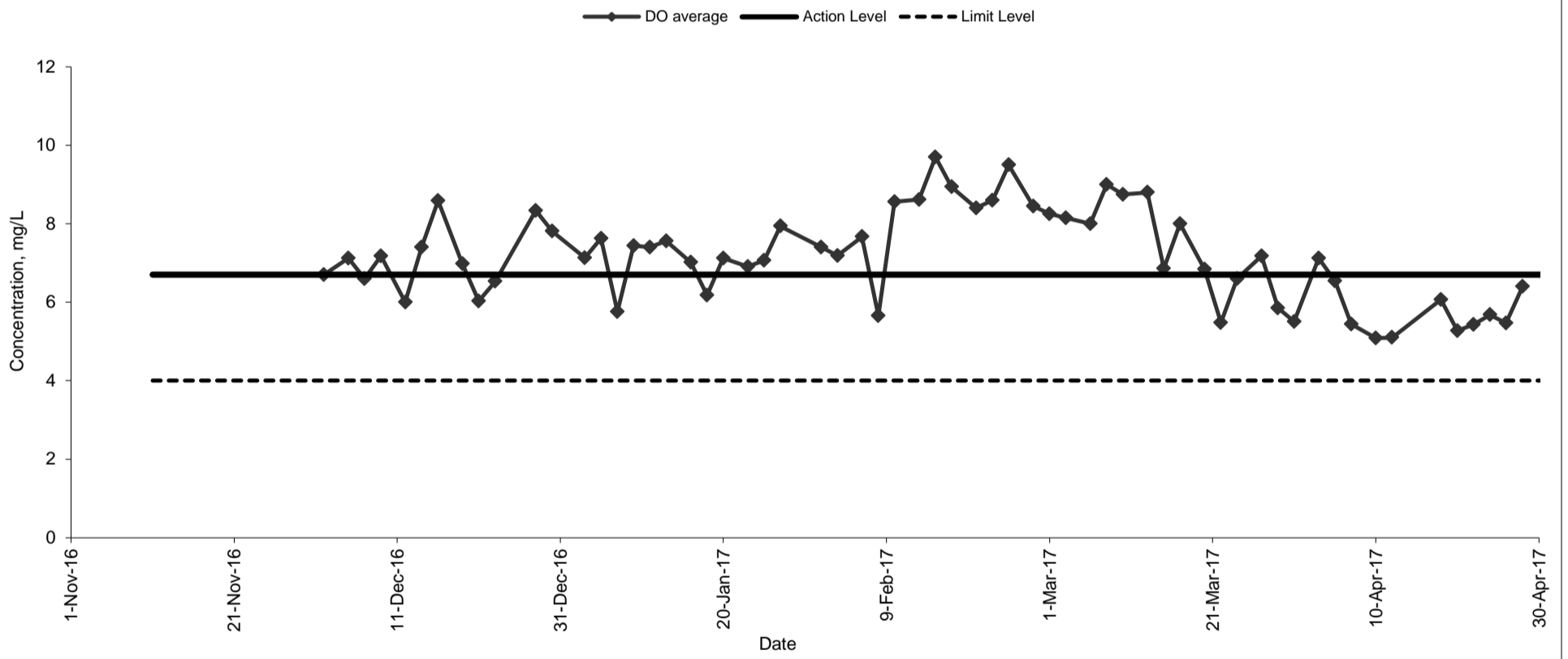
NOTE:
 Data in **Bold** denotes exceedance of respective Action Level
 Data in **Bold Underline** denotes exceedance of respective Limit Level

Dissolved Oxygen

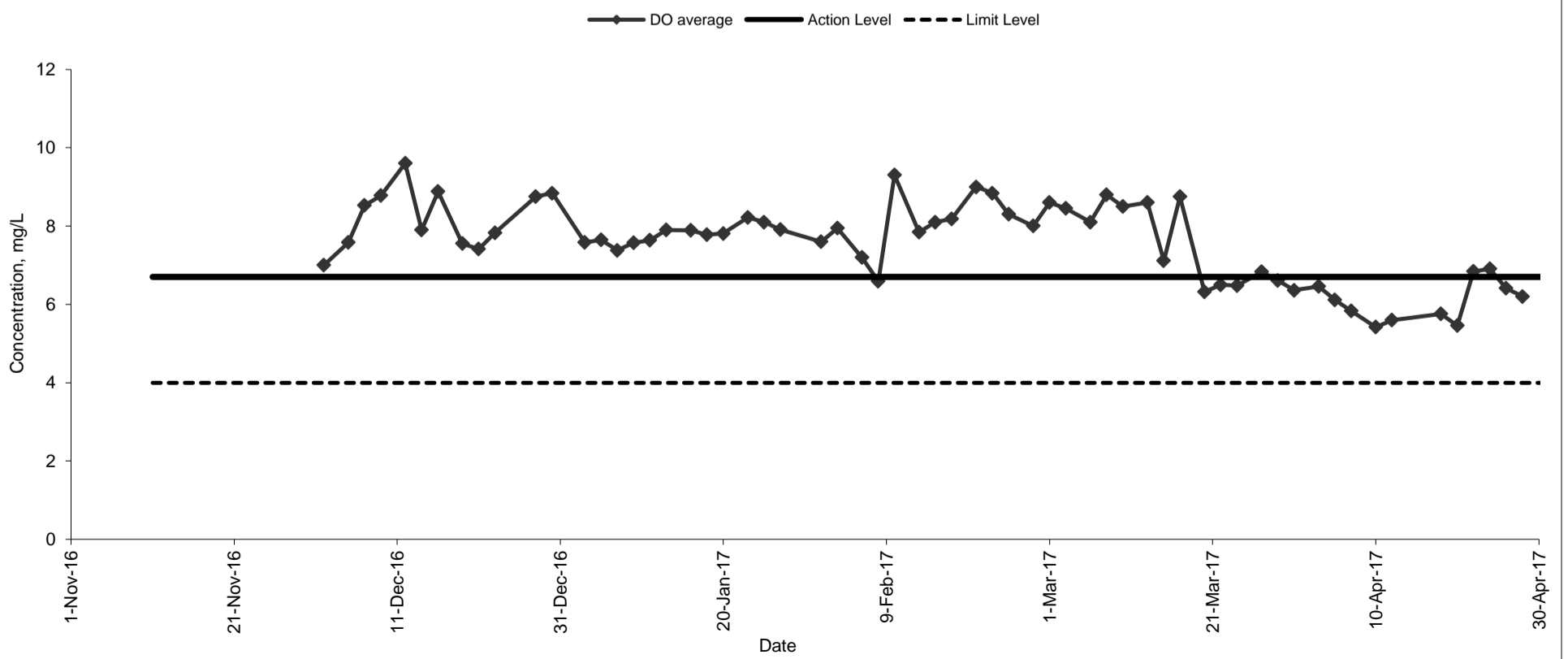
I5



C3a

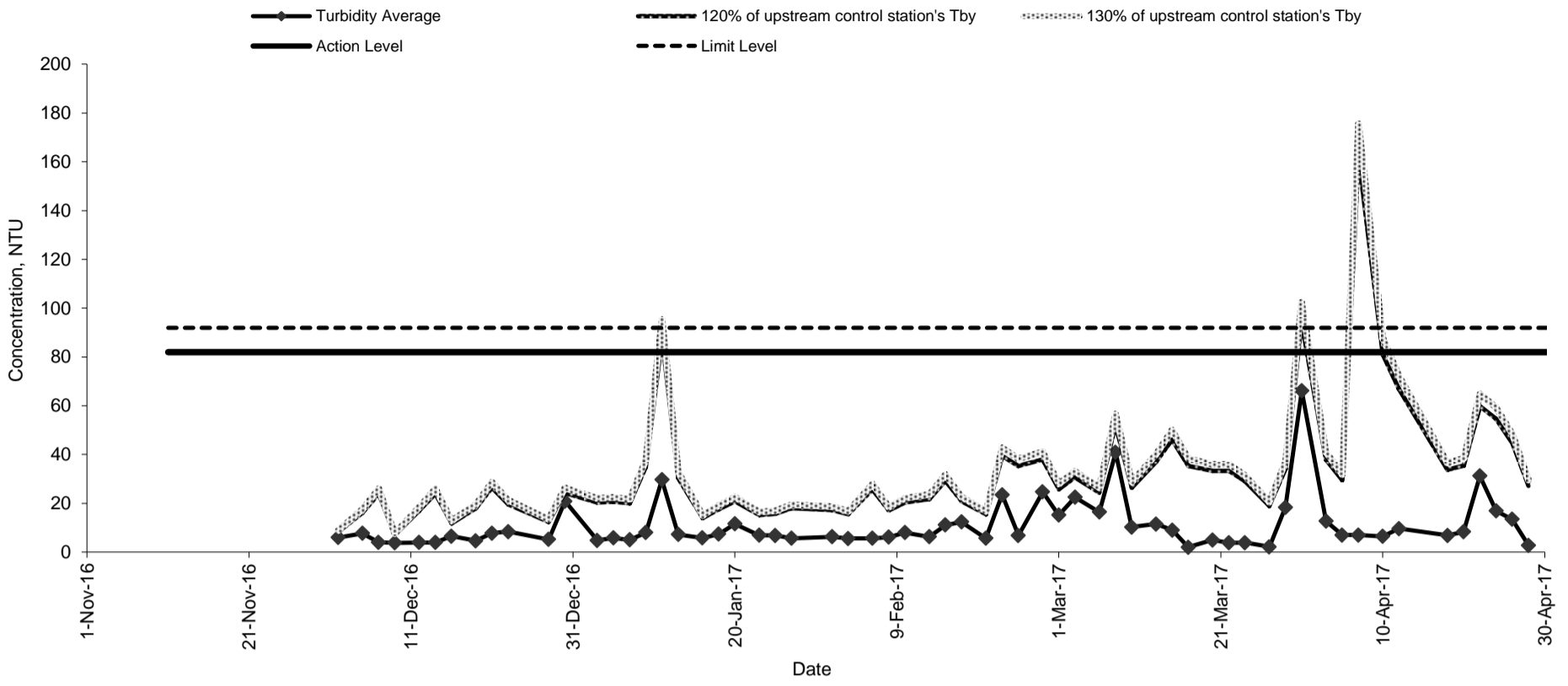


C3b

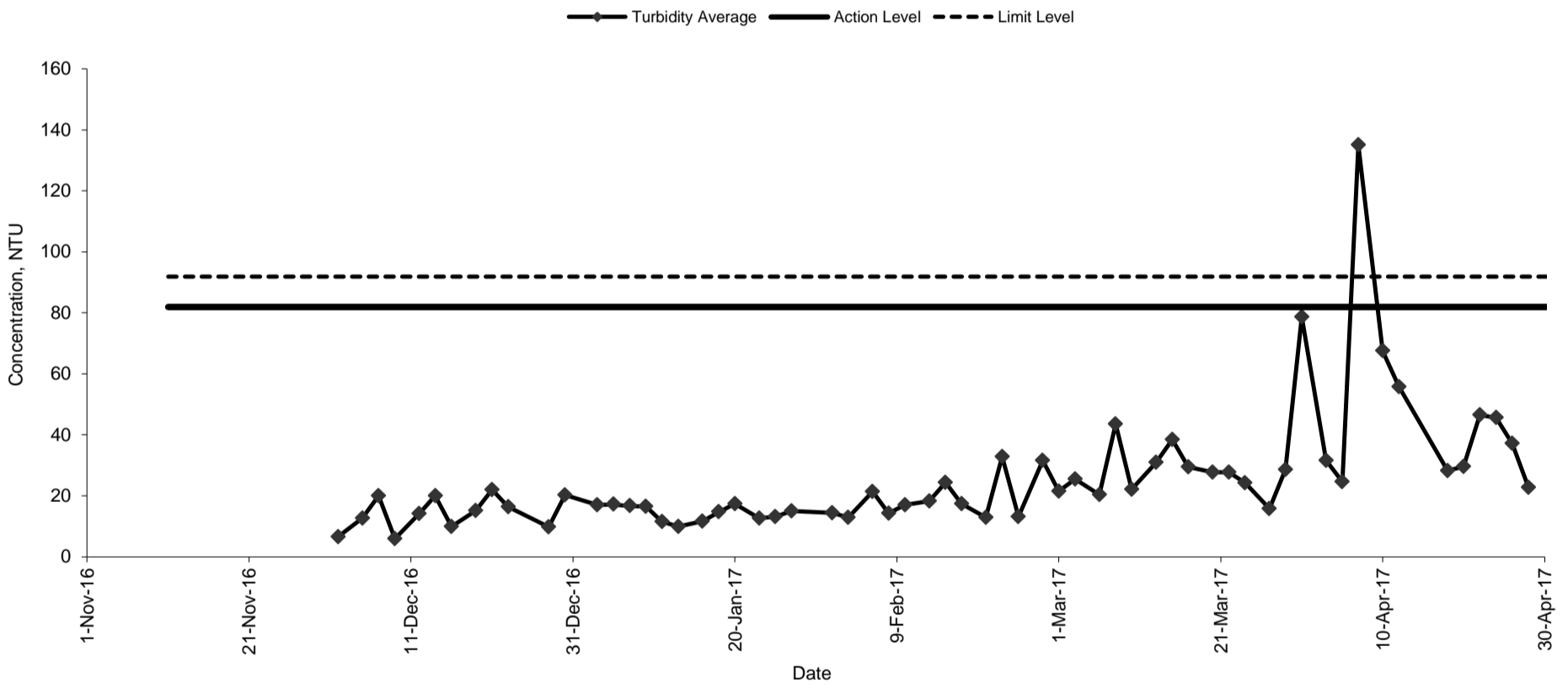


Turbidity

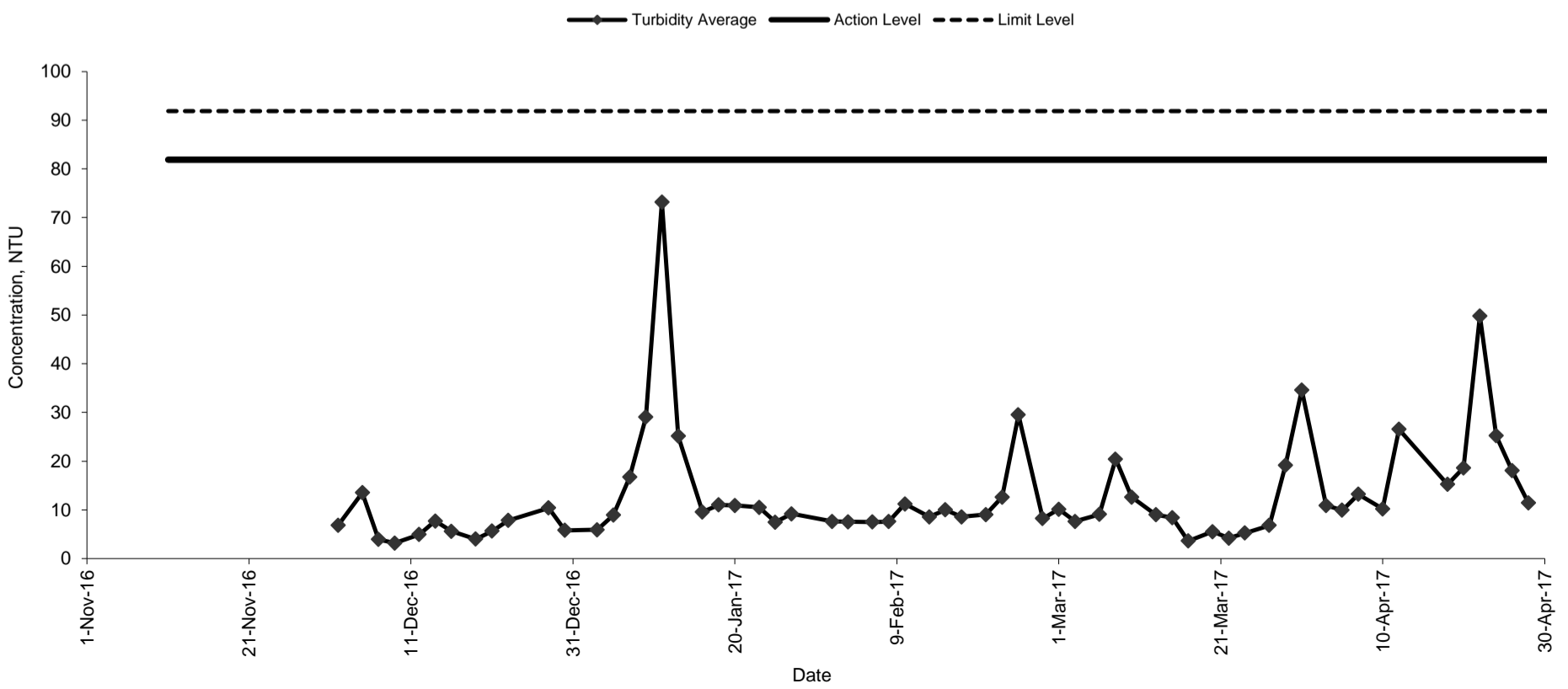
I5



C3a

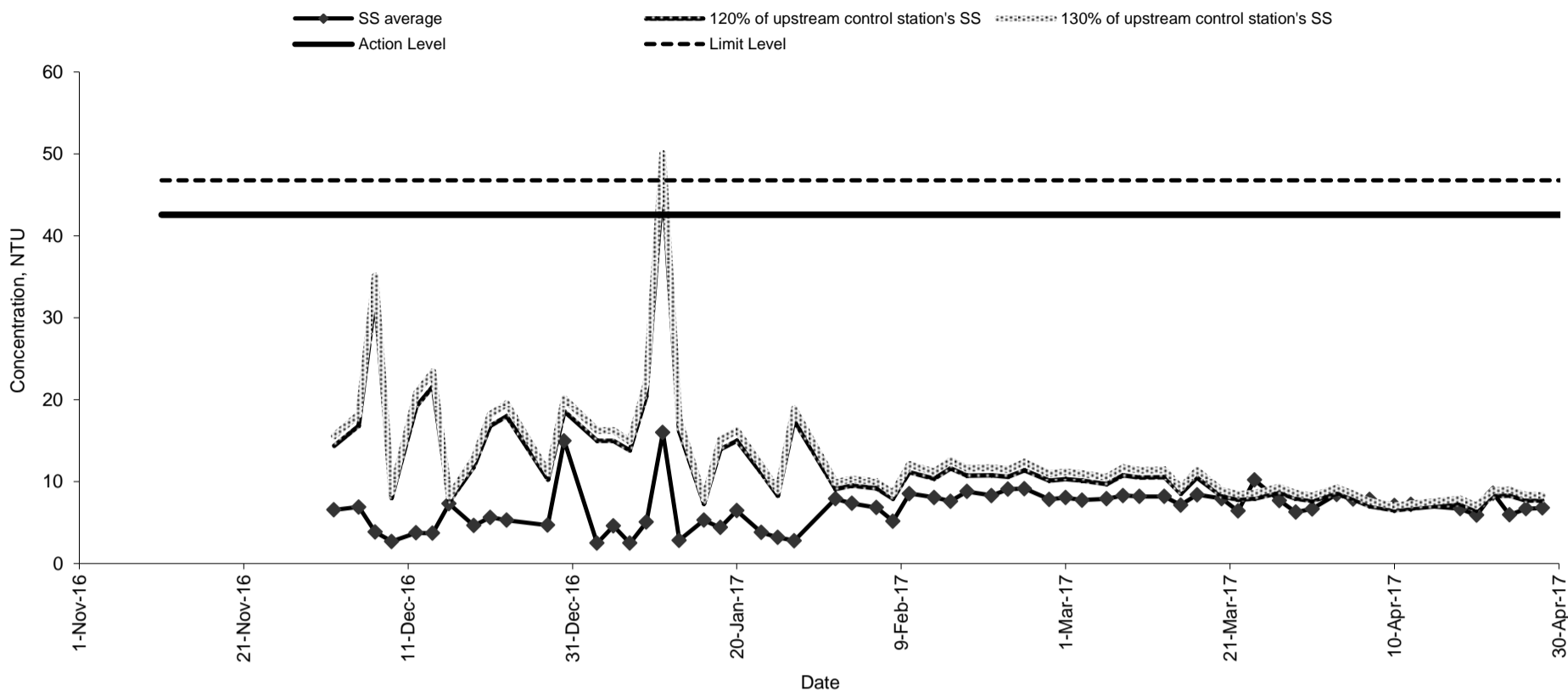


C3b

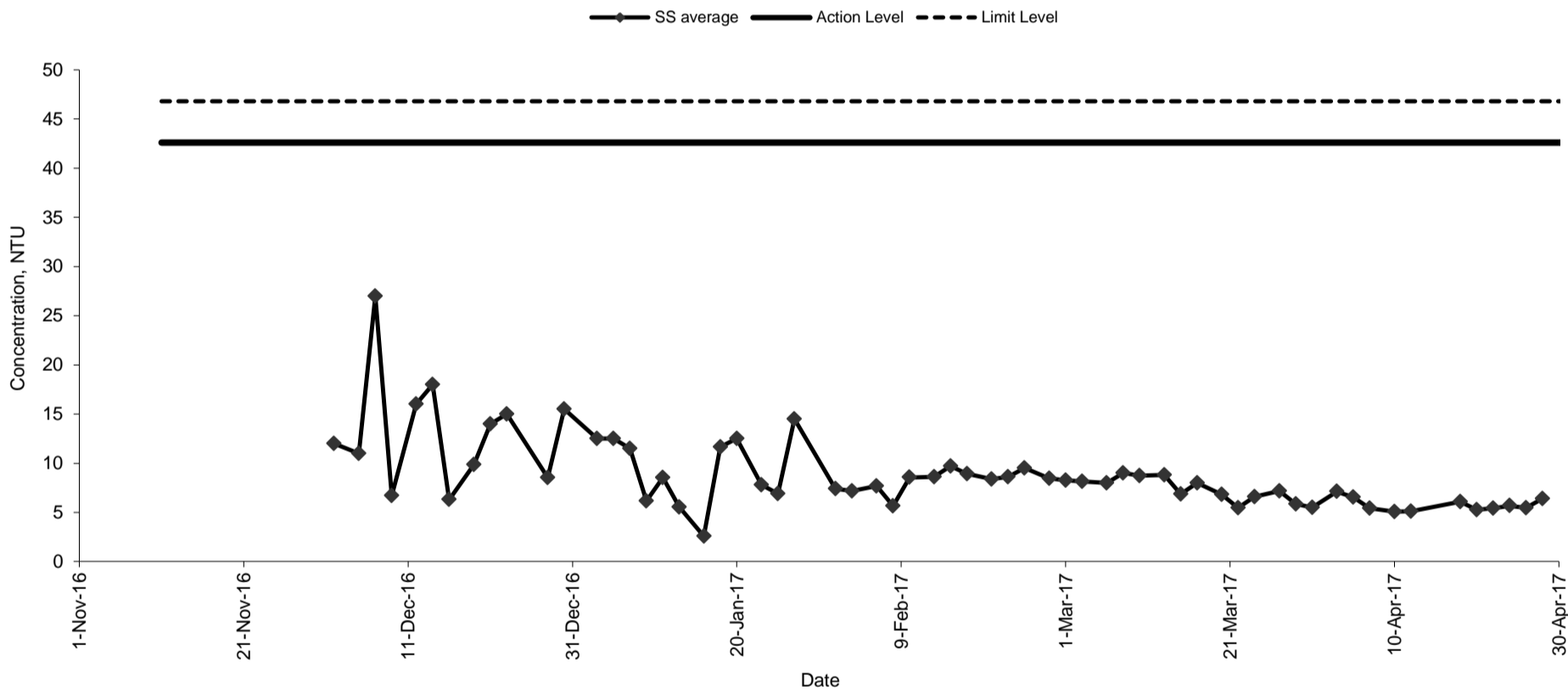


Suspended Solid

I5



C3a



C3b

