

Annex F1

Surface Water Quality Monitoring Results

Table F1.1 Surface Water Quality Monitoring Results at DP3

Date	Time	Weather Condition	Water Appearance	Water Condition	Water Temperature (°C)	Dissolved Oxygen (DO) (mg/L)	pH	Suspended Solids (SS) (mg/L)	Remarks	
4 Jul 19	14:16	Sunny	Light green	Clear	28.9	7.31	8.17	17.2	-	
4 Jul 19	14:26	Sunny	Light green	Clear	29	7.34	8.19	16.8	DP3 (Duplicate)	
12 Jul 19	14:31	Sunny	Pale yellow	Turbid	29.9	6.91	8.48	74.2	-	
12 Jul 19	14:40	Sunny	Pale yellow	Turbid	29.9	6.81	8.52	71.4	DP3 (Duplicate)	
18 Jul 19	14:23	Sunny	Unable to collect water sample due to insufficient flow							-
Average						7.09	8.34	44.9	-	
Min						6.81	8.17	16.8	-	
Max						7.34	8.52	74.2	-	

Note: Impact surface water quality monitoring at DP3 was suspended from the monitoring event on 25 July 2019 until the actual commencement of construction works affecting DP3 in 2021.

Table F1.2 Surface Water Quality Monitoring Results at DP4T

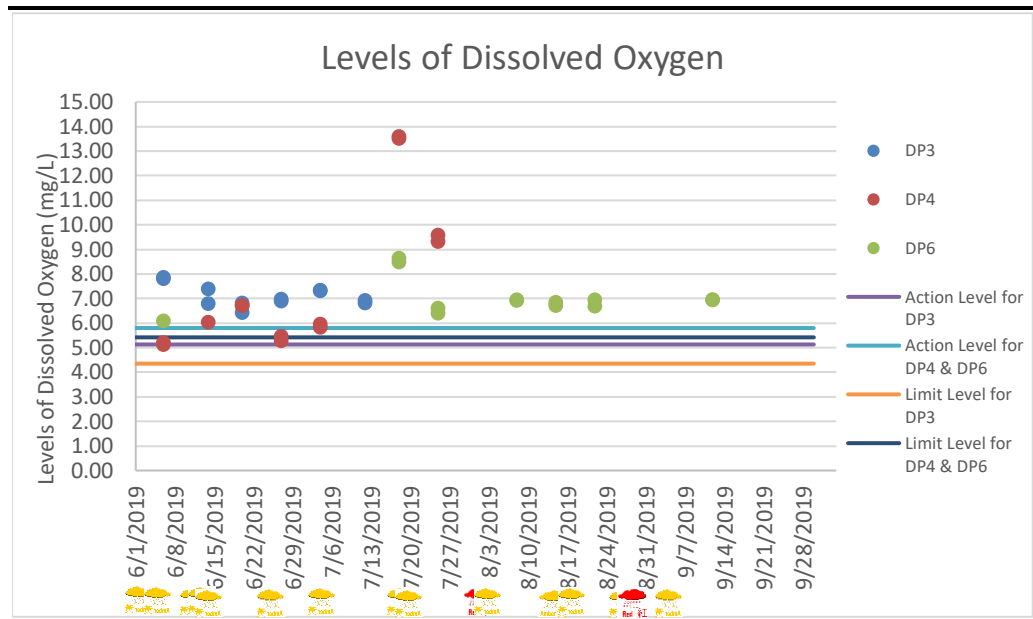
Date	Time	Weather Condition	Water Appearance	Water Condition	Water Temperature (°C)	Dissolved Oxygen (DO) (mg/L)	pH	Suspended Solids (SS) (mg/L)	Remarks
4 Jul 19	15:09	Sunny	Yellow	Turbid	30.2	5.96	8.53	68.5	-
4 Jul 19	15:09	Sunny	Yellow	Turbid	30.1	5.81	8.56	-	DP4 (Future, temporary) (Remeasurement)
12 Jul 19	15:04	Sunny		Unable to collect water sample due to insufficient flow					-
18 Jul 19	15:04	Sunny	Pale yellow	Semi-clear	37	13.59	9.4	14.2	-
18 Jul 19	15:04	Sunny	Pale yellow	Semi-clear	37.1	13.5	9.41	-	DP4 (Future, temporary) (Remeasurement)
25 Jul 19	15:08	Sunny	Pale yellow	Semi-clear	34	9.58	9.11	21.8	-
25 Jul 19	15:08	Sunny	Pale yellow	Semi-clear	34.1	9.32	9.11	-	DP4 (Future, temporary) (Remeasurement)
1 Aug 19	14:16	Pouring		Monitoring was cancelled due to adverse weather.					-
8 Aug 19	14:58	Sunny		Unable to collect water sample due to insufficient flow					-
15 Aug 19	14:53	Sunny		Unable to collect water sample due to insufficient flow					-
22 Aug 19	14:54	Sunny	Light yellow	Semi-clear	34.2	10.05	8.91	31.2	-
22 Aug 19	14:54	Sunny	Light yellow	Semi-clear	34.2	9.58	8.91	-	DP4 (Future, temporary) (Remeasurement)
29 Aug 19	NA	Pouring		Monitoring was cancelled due to adverse weather.					-
5 Sep 19	14:50	Cloudy	Light yellow	Semi-clear	29.8	6.79	8.49	67.8	-
5 Sep 19	14:50	Cloudy	Light yellow	Semi-clear	29.9	6.70	8.51	-	DP4 (Future, temporary) (Remeasurement)
5 Sep 19	15:00	Cloudy	Light yellow	Semi-clear	29.8	8.12	8.49	66.1	DP4 (Future, temporary) (Duplicate)
5 Sep 19	15:00	Cloudy	Light yellow	Semi-clear	29.8	6.92	8.52	-	DP4 (Future, temporary) (Duplicate) (Remeasurement)
12 Sep 19	14:59	Sunny	Light yellow	Semi-clear	34.0	10.73	8.82	9.9	-
12 Sep 19	14:59	Sunny	Light yellow	Semi-clear	34.2	11.29	8.87	-	DP4 (Future, temporary) (Remeasurement)
19 Sep 19	14:44	Sunny		Unable to collect water sample due to insufficient flow					-
26 Sep 19	14:48	Sunny	Light yellow	Semi-clear	29.2	9.28	8.38	7.3	-
26 Sep 19	14:50	Sunny	Light yellow	Semi-clear	28.3	9.15	8.37	5.3	DP4 (Future, temporary) (Duplicate)
Average						9.15	8.77	32.5	-
Min						5.81	8.37	5.3	-
Max						13.59	9.41	68.5	-

Notes: DP4 was temporary relocated to DP4 (Future, temporary) (i.e. DP4T) as an interim discharge point from the monitoring event on 16 May 2019.

Table F1.3 Surface Water Quality Monitoring Results at DP6

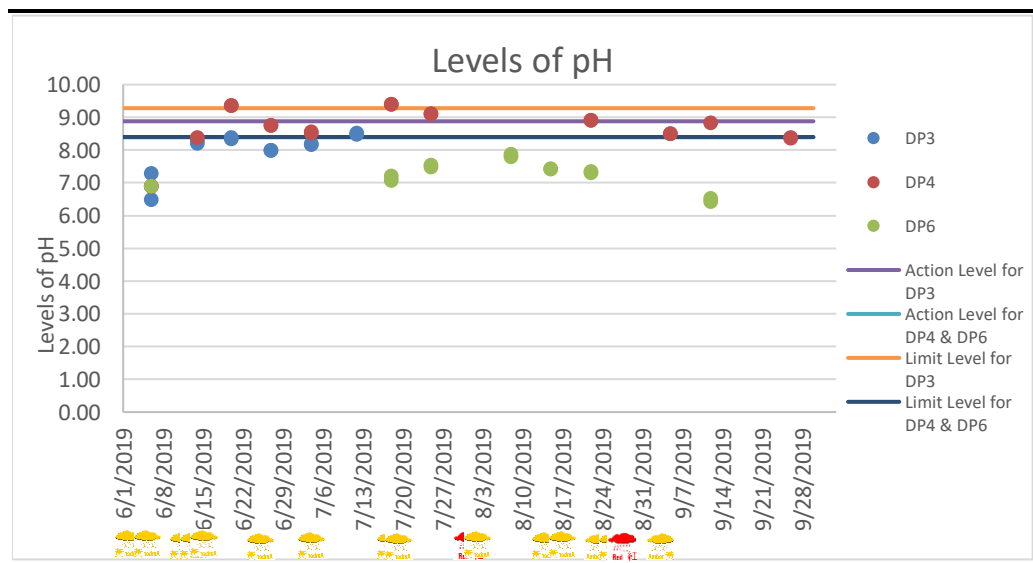
Date	Time	Weather Condition	Water Appearance	Water Condition	Water Temperature (°C)	Dissolved Oxygen (DO) (mg/L)	pH	Suspended Solids (SS) (mg/L)	Remarks
4 Jul 19	14:53	Sunny		Unable to collect water sample due to insufficient flow					-
12 Jul 19	14:55	Sunny		Unable to collect water sample due to insufficient flow					-
18 Jul 19	14:34	Sunny	Pale yellow	Semi-clear	34.3	8.48	7.08	5.7	-
18 Jul 19	14:42	Sunny	Pale yellow	Semi-clear	34.4	8.63	7.21	6.1	DP6 (Duplicate)
25 Jul 19	14:38	Sunny	Pale yellow	Semi-clear	34.1	6.39	7.48	10.8	-
25 Jul 19	14:46	Sunny	Pale yellow	Semi-clear	34.2	6.6	7.54	11.2	DP6 (Duplicate)
1 Aug 19	14:11	Pouring		Monitoring was cancelled due to adverse weather.					-
8 Aug 19	14:37	Sunny	Light yellow	Semi-clear	32.7	6.91	7.80	25.1	-
8 Aug 19	14:46	Sunny	Light yellow	Semi-clear	32.7	6.95	7.87	24.8	DP6 (Duplicate)
15 Aug 19	14:25	Sunny	Light yellow	Semi-clear	33.4	6.71	7.43	3.2	-
15 Aug 19	14:39	Sunny	Light yellow	Semi-clear	33.4	6.85	7.42	4.2	DP6 (Duplicate)
22 Aug 19	14:27	Sunny	Light yellow	Semi-clear	32.4	6.69	7.31	10.0	-
22 Aug 19	14:35	Sunny	Light yellow	Semi-clear	32.3	6.94	7.36	9.9	DP6 (Duplicate)
29 Aug 19	NA	Pouring		Monitoring was cancelled due to adverse weather.					-
5 Sep 19	14:35	Cloudy		Unable to collect water sample due to insufficient flow					-
12 Sep 19	14:26	Sunny	Light yellow	Semi-clear	31.5	6.93	6.44	8.2	-
12 Sep 19	14:28	Sunny	Light yellow	Semi-clear	31.9	6.93	6.53	8.1	DP6 (Duplicate)
19 Sep 19	14:35	Sunny		Unable to collect water sample due to insufficient flow					-
26 Sep 19	14:39	Sunny		Unable to collect water sample due to insufficient flow					-
					Average	7.08	7.29	10.6	-
					Min	6.39	6.44	3.2	-
					Max	8.63	7.87	25.1	-

Figure F1.1 Graphical Presentation for Surface Water Quality Monitoring (DO)



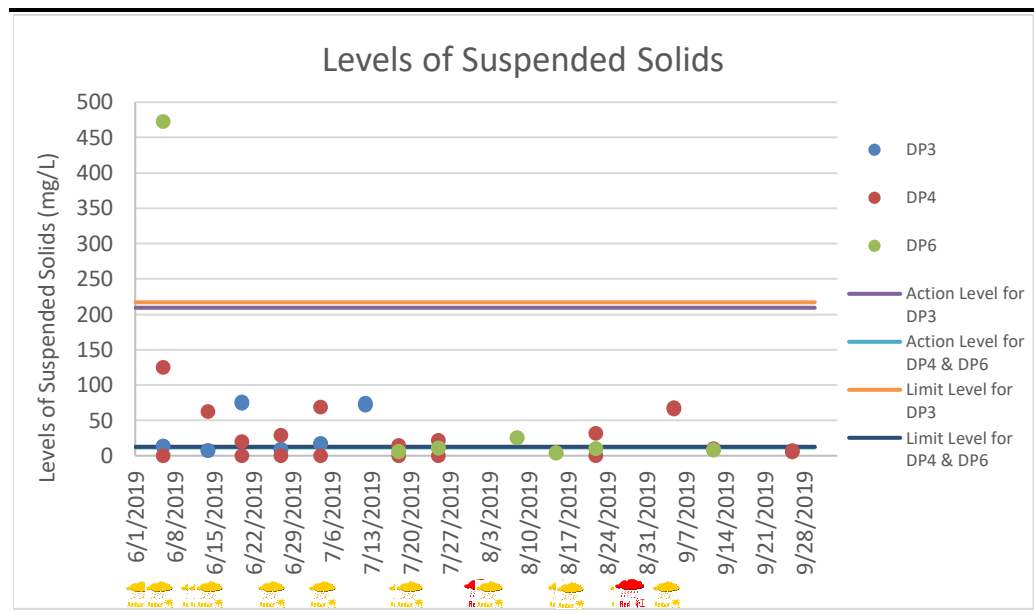
Note: Amber rainstorm warning signal was issued by the Hong Kong Observatory on 1 June, 4 June, 11 June, 13 June, 14 June, 25 June, 3 July, 19 July, 20 July, 31 July, 1 August, 2 August, 14 August, 17 August, 25 August, 26 August and 2 September 2019. Red rainstorm warning signal was issued by the Hong Kong Observatory on 31 July and 26 August 2019.

Figure F1.2 Graphical Presentation for Surface Water Quality Monitoring (pH)



Note: Amber rainstorm warning signal was issued by the Hong Kong Observatory on 1 June, 4 June, 11 June, 13 June, 14 June, 25 June, 3 July, 19 July, 20 July, 31 July, 1 August, 2 August, 14 August, 17 August, 25 August, 26 August and 2 September 2019. Red rainstorm warning signal was issued by the Hong Kong Observatory on 31 July and 26 August 2019.

Figure F1.3 Graphical Presentation for Surface Water Quality Monitoring (SS)



Note: Amber rainstorm warning signal was issued by the Hong Kong Observatory on 1 June, 4 June, 11 June, 13 June, 14 June, 25 June, 3 July, 19 July, 20 July, 31 July, 1 August, 2 August, 14 August, 17 August, 25 August, 26 August and 2 September 2019. Red rainstorm warning signal was issued by the Hong Kong Observatory on 31 July and 26 August 2019.