

Table C1 *Summary Table of DO, Turbidity and SS Levels Recorded in December 2013/ January 2014*

Sampling Date	Tidal Period	Station	Average DO Levels (mg/L)		Average Turbidity Level (NTU)	Average SS Level (mg/L)
			Bottom	Surface and Mid Depth		
2013/12/9	Mid-Ebb	DS1	6.72	6.67	15.51	16.17
		DS2	6.42	6.47	6.66	6.44
		DS3	6.45	6.53	5.35	5.22
		DS4	6.27	6.43	5.96	5.11
		DS5	6.20	6.40	6.17	5.44
		US1	6.74	6.81	5.88	4.67
		US2	6.81	6.80	5.46	4.17
		MW1	6.74	6.74	3.75	3.22
		THB1	7.25	7.26	3.73	3.33
		THB2	-	7.40	7.59	6.00
		WSR45C	6.68	6.94	5.79	5.33
	WSR46	6.94	7.00	7.34	8.00	
	Mid-Flood	DS1	6.58	6.62	6.91	6.67
		DS2	6.54	6.61	7.86	13.00
		DS3	6.59	6.53	23.11	21.33
		DS4	6.58	6.58	13.88	12.83
		DS5	6.71	6.64	8.68	8.00
		US1	6.59	6.74	5.46	6.83
		US2	6.69	6.62	5.23	5.67
		MW1	7.03	6.70	6.50	6.56
		THB1	6.68	7.11	5.91	4.83
		THB2	-	7.68	7.18	6.67
		WSR45C	6.83	6.95	7.26	6.33
WSR46		6.90	6.96	10.87	9.00	
2013/12/11	Mid-Ebb	DS1	6.86	6.80	19.05	20.50
		DS2	6.80	6.79	5.71	6.83
		DS3	6.84	6.78	4.27	4.67
		DS4	6.81	6.79	3.50	3.78
		DS5	6.63	6.75	4.09	4.78
		US1	6.95	6.90	7.66	8.67
		US2	7.12	6.94	7.60	8.17
		MW1	6.53	6.61	2.46	3.89
		THB1	6.77	6.77	3.78	4.50
		THB2	-	-	-	-
		WSR45C	6.52	6.67	3.82	4.67
	WSR46	6.97	7.01	4.87	5.00	
	Mid-Flood	DS1	7.07	6.97	45.65	50.50
		DS2	7.04	6.99	6.78	6.33
		DS3	7.11	6.99	8.20	9.00
		DS4	7.11	7.07	8.33	8.83
		DS5	7.14	7.03	4.81	4.83
		US1	6.91	6.86	5.03	4.83
		US2	6.77	6.79	5.13	4.50
		MW1	6.53	6.56	2.87	4.00
		THB1	6.95	6.82	4.75	5.00
		THB2	-	-	-	-
		WSR45C	6.68	6.72	3.62	4.22

Sampling Date	Tidal Period	Station	Average DO Levels (mg/L)		Average Turbidity Level (NTU)	Average SS Level (mg/L)
			Bottom	Surface and Mid Depth		
		WSR46	7.12	7.06	5.29	6.33
2013/12/13	Mid-Ebb	DS1	6.86	6.88	6.86	10.17
		DS2	6.81	6.81	5.10	11.33
		DS3	6.73	6.80	3.79	4.78
		DS4	6.69	6.72	4.14	5.33
		DS5	6.72	6.72	4.74	5.56
		US1	6.95	7.00	5.65	8.67
		US2	7.04	7.15	17.36	4.67
		MW1	6.54	6.59	4.27	6.44
		THB1	6.92	6.89	5.68	6.17
	THB2	-	-	-	-	
	WSR45C	6.66	6.72	4.64	5.89	
	Mid-Flood	WSR46	7.08	7.11	5.96	7.00
		DS1	6.77	6.84	9.50	10.33
		DS2	6.97	7.07	6.71	6.67
		DS3	7.08	7.21	7.25	8.17
		DS4	7.25	7.35	8.08	9.17
		DS5	7.25	7.41	6.85	7.56
		US1	6.81	6.96	5.91	6.17
		US2	6.91	6.95	4.37	5.11
MW1		6.70	6.75	3.57	6.00	
THB1		6.97	7.03	5.06	5.50	
THB2	-	-	-	-		
WSR45C	6.68	6.87	6.21	8.22		
WSR46	6.80	6.80	6.88	9.22		
2013/12/16	Mid-Ebb	DS1	7.01	6.97	14.81	16.50
		DS2	6.92	6.92	12.05	13.89
		DS3	6.90	6.92	10.18	14.44
		DS4	6.83	6.83	7.78	10.78
		DS5	6.80	6.83	7.50	8.89
		US1	7.11	7.10	8.14	8.83
		US2	7.20	7.19	7.87	8.67
		MW1	6.61	6.61	7.08	9.22
		THB1	7.06	7.08	9.05	9.17
		THB2	-	-	-	-
		WSR45C	6.71	6.80	6.39	8.00
	Mid-Flood	WSR46	7.05	7.05	7.47	8.67
		DS1	7.02	7.02	12.15	24.17
		DS2	6.99	7.01	15.70	18.33
		DS3	7.15	7.15	11.75	13.17
		DS4	7.18	7.18	10.32	13.33
		DS5	7.21	7.20	7.43	8.78
		US1	6.85	6.87	11.12	14.50
		US2	6.77	6.78	10.54	13.22
		MW1	6.65	6.64	6.41	8.67
		THB1	7.08	7.08	12.19	14.67
THB2	-	-	-	-		
WSR45C	6.62	6.63	10.10	11.78		
WSR46	6.95	6.94	10.92	13.56		
2013/12/18	Mid-Ebb	DS1	6.93	6.92	7.95	9.33
		DS2	6.93	6.94	6.90	8.00

Sampling Date	Tidal Period	Station	Average DO Levels (mg/L)		Average Turbidity Level (NTU)	Average SS Level (mg/L)
			Bottom	Surface and Mid Depth		
		DS3	6.90	6.89	7.05	8.00
		DS4	6.88	6.84	7.07	8.11
		DS5	6.90	6.82	5.57	8.33
		US1	7.21	7.19	12.87	12.67
		US2	7.37	7.34	8.82	9.50
		MW1	6.75	6.76	6.86	10.11
		THB1	7.33	7.40	9.69	10.83
		THB2	-	7.22	12.39	24.67
		WSR45C	6.77	6.85	5.46	7.44
		WSR46	6.98	6.98	9.98	12.00
	Mid-Flood	DS1	7.18	7.13	7.87	14.83
		DS2	7.18	7.15	9.11	10.00
		DS3	7.14	7.14	11.27	11.33
		DS4	7.17	7.15	17.50	15.17
		DS5	7.18	7.13	10.52	11.00
		US1	7.16	7.14	15.53	16.83
		US2	6.95	6.90	13.52	14.50
		MW1	6.72	6.71	8.64	11.44
		THB1	7.23	7.25	9.69	11.67
		THB2	-	6.26	7.38	13.33
		WSR45C	6.87	6.87	15.30	18.56
		WSR46	7.16	7.10	14.78	16.56
2013/12/20	Mid-Ebb	DS1	7.35	7.27	5.57	8.00
		DS2	7.26	7.19	6.87	7.33
		DS3	7.16	7.16	4.53	5.33
		DS4	6.98	7.13	5.44	7.11
		DS5	7.02	7.07	5.31	7.33
		US1	7.40	7.45	10.98	12.33
		US2	7.64	7.57	9.28	9.50
		MW1	6.92	6.93	5.34	6.33
		THB1	7.34	7.41	6.79	7.83
		THB2	-	7.90	10.99	6.67
		WSR45C	6.95	7.07	4.73	5.89
		WSR46	7.23	7.26	9.39	11.44
	Mid-Flood	DS1	7.39	7.33	8.87	13.33
		DS2	7.39	7.34	13.35	12.83
		DS3	-	7.34	17.35	16.33
		DS4	7.31	7.32	31.73	39.00
		DS5	7.42	7.32	13.42	13.89
		US1	7.34	7.30	7.92	8.00
		US2	7.18	7.18	10.20	11.83
		MW1	6.85	6.85	7.03	9.44
		THB1	7.20	7.20	8.32	9.83
		THB2	-	6.85	5.08	5.33
		WSR45C	7.19	7.20	7.59	9.22
		WSR46	7.29	7.29	10.55	10.44
2013/12/23	Mid-Ebb	DS1	7.39	7.41	11.18	14.50
		DS2	7.50	7.45	5.70	7.33
		DS3	7.37	7.40	4.89	6.56
		DS4	6.97	7.29	5.28	7.33
		DS5	6.97	7.22	5.88	7.00

Sampling Date	Tidal Period	Station	Average DO Levels (mg/L)		Average Turbidity Level (NTU)	Average SS Level (mg/L)
			Bottom	Surface and Mid Depth		
		US1	7.59	7.63	8.57	15.83
		US2	7.78	7.79	6.30	16.00
		MW1	6.91	6.92	4.94	6.22
		THB1	7.69	7.73	5.20	5.67
		THB2	-	8.01	8.02	4.67
		WSR45C	6.96	7.19	4.34	5.11
		WSR46	7.23	7.36	11.61	14.00
	Mid-Flood	DS1	7.48	7.45	13.47	18.33
		DS2	7.55	7.55	8.50	26.67
		DS3	-	7.68	9.62	9.33
		DS4	7.53	7.53	15.18	21.00
		DS5	7.64	7.61	8.07	9.67
		US1	7.55	7.49	6.85	8.33
		US2	7.47	7.43	6.15	7.17
		MW1	6.98	7.04	4.13	5.56
		THB1	7.49	7.52	7.74	9.00
		THB2	-	7.65	4.48	4.33
		WSR45C	7.09	7.39	7.64	9.33
		WSR46	7.39	7.42	10.29	11.56
2013/12/27	Mid-Ebb	DS1	7.26	7.21	4.42	5.33
		DS2	7.20	7.16	3.12	4.67
		DS3	6.97	6.98	2.91	4.33
		DS4	7.01	6.98	3.05	7.44
		DS5	7.05	6.98	2.91	3.89
		US1	7.34	7.33	18.33	20.17
		US2	7.31	7.31	7.48	9.33
		MW1	6.99	6.99	2.31	3.33
		THB1	7.59	7.54	5.39	6.67
		THB2	-	7.38	5.18	3.33
		WSR45C	7.08	7.06	2.65	2.22
		WSR46	7.20	7.36	5.20	3.11
	Mid-Flood	DS1	7.33	7.30	19.30	24.33
		DS2	7.51	7.45	8.58	7.33
		DS3	7.67	7.62	6.05	5.50
		DS4	7.73	7.70	7.05	6.50
		DS5	7.85	7.85	9.27	8.89
		US1	7.15	7.06	3.28	1.67
		US2	7.09	7.10	3.42	1.33
		MW1	7.08	7.08	2.89	2.89
		THB1	7.65	7.64	6.19	5.50
		THB2	-	8.23	8.72	3.67
		WSR45C	7.13	7.11	3.35	3.78
		WSR46	7.08	7.07	4.07	4.67
2013/12/29	Mid-Ebb	DS1	7.15	7.14	5.28	8.00
		DS2	7.17	7.12	3.73	7.33
		DS3	7.11	7.10	3.02	6.17
		DS4	7.12	7.10	2.94	5.22
		DS5	7.09	7.11	2.64	4.44
		US1	7.89	7.94	3.03	4.67
		US2	8.00	7.94	4.97	7.83
		MW1	7.12	7.13	2.85	6.11

Sampling Date	Tidal Period	Station	Average DO Levels (mg/L)		Average Turbidity Level (NTU)	Average SS Level (mg/L)
			Bottom	Surface and Mid Depth		
		THB1	7.64	7.70	4.71	5.83
		THB2	-	8.07	3.35	5.00
		WSR45C	7.21	7.19	2.73	5.56
		WSR46	7.52	7.33	4.00	6.56
	Mid-Flood	DS1	7.61	7.82	6.58	10.17
		DS2	7.87	8.21	7.18	11.00
		DS3	8.23	8.27	4.83	7.67
		DS4	8.30	8.27	3.87	5.50
		DS5	8.14	8.16	4.04	7.56
		US1	7.48	7.46	3.85	7.33
		US2	7.42	7.35	3.67	10.00
		MW1	7.20	7.20	3.36	5.67
		THB1	8.06	8.39	3.78	5.50
		THB2	-	8.42	4.82	5.33
		WSR45C	7.30	7.33	3.19	5.11
		WSR46	7.38	7.41	4.34	7.00
2013/12/31	Mid-Ebb	DS1	7.75	7.63	6.18	5.17
		DS2	7.51	7.51	4.47	3.33
		DS3	7.45	7.42	5.17	4.89
		DS4	7.47	7.37	4.54	3.78
		DS5	7.44	7.37	3.32	2.00
		US1	7.95	8.04	7.60	6.33
		US2	8.25	8.29	5.08	4.83
		MW1	7.09	7.07	4.26	4.56
		THB1	8.06	8.16	4.80	4.83
		THB2	-	7.86	4.10	2.00
		WSR45C	7.30	7.29	3.50	2.89
		WSR46	7.60	7.66	8.93	9.33
	Mid-Flood	DS1	7.64	7.72	15.12	15.50
		DS2	7.97	7.99	9.00	9.83
		DS3	8.22	8.24	7.77	7.17
		DS4	8.08	8.12	22.30	12.50
		DS5	7.99	8.03	9.58	10.00
		US1	7.47	7.42	6.97	7.00
		US2	7.45	7.43	5.76	5.56
		MW1	7.10	7.13	5.36	5.11
		THB1	8.39	8.47	7.13	6.83
		THB2	-	8.44	4.53	4.00
		WSR45C	7.44	7.45	5.69	6.00
		WSR46	7.82	7.84	6.00	5.44
2014/01/02	Mid-Ebb	DS1	7.66	7.67	7.43	7.33
		DS2	7.68	7.69	4.65	5.17
		DS3	7.73	7.71	4.39	5.67
		DS4	7.41	7.57	5.29	5.33
		DS5	7.31	7.50	5.41	6.11
		US1	8.04	8.08	7.15	7.17
		US2	8.36	8.38	5.98	12.00
		MW1	6.95	7.04	4.78	5.56
		THB1	7.92	7.96	4.76	4.67
		THB2	-	8.19	6.48	4.33
		WSR45C	7.09	7.26	4.93	6.00

Sampling Date	Tidal Period	Station	Average DO Levels (mg/L)		Average Turbidity Level (NTU)	Average SS Level (mg/L)	
			Bottom	Surface and Mid Depth			
	Mid-Flood	WSR46	7.38	7.44	7.78	7.89	
		DS1	8.05	8.01	6.57	7.33	
		DS2	-	8.07	8.12	7.67	
		DS3	-	8.09	13.32	17.33	
		DS4	7.95	7.96	6.77	20.67	
		DS5	7.93	7.93	5.88	5.78	
		US1	7.64	7.65	10.67	13.50	
		US2	7.64	7.65	9.42	10.00	
		MW1	7.44	7.51	13.78	14.00	
		THB1	7.91	7.89	7.53	7.50	
		THB2	-	7.61	4.25	5.00	
		WSR45C	7.65	7.68	13.39	14.00	
		WSR46	7.75	7.77	12.54	12.22	
		2014/01/04	Mid-Ebb	DS1	7.37	7.42	14.42
DS2	7.47			7.45	13.52	18.17	
DS3	7.41			7.42	10.94	13.56	
DS4	7.46			7.45	10.51	14.67	
DS5	7.47			7.47	10.08	12.44	
US1	7.86			7.87	25.10	37.00	
US2	7.82			7.83	9.93	14.33	
MW1	7.24			7.30	5.77	9.44	
THB1	7.65			7.67	7.57	9.00	
THB2	-			7.68	9.95	8.33	
WSR45C	7.32			7.37	10.19	10.33	
WSR46	7.33			7.37	10.93	11.89	
Mid-Flood	DS1			7.29	7.29	21.76	28.50
	DS2			7.44	7.39	18.29	28.83
	DS3		7.61	7.60	15.20	16.33	
	DS4		7.59	7.56	9.55	13.67	
	DS5		7.49	7.50	11.11	10.67	
	US1		7.35	7.34	9.03	10.67	
	US2		7.27	7.26	11.91	16.11	
	MW1		7.10	7.16	20.49	17.56	
	THB1		7.48	7.46	10.60	15.67	
	THB2		-	6.89	6.32	8.00	
WSR45C	7.29		7.25	22.18	25.11		
WSR46	7.28		7.29	15.70	20.22		
2014/01/06	Mid-Ebb	DS1	7.64	7.50	13.32	12.33	
		DS2	7.43	7.46	8.82	8.67	
		DS3	7.37	7.40	9.92	9.78	
		DS4	7.34	7.42	8.12	8.78	
		DS5	7.21	7.39	8.40	7.78	
		US1	7.61	7.58	12.92	13.17	
		US2	7.68	7.69	34.10	36.17	
		MW1	7.18	7.24	4.40	4.22	
		THB1	7.60	7.57	8.05	8.00	
		THB2	-	7.79	8.87	6.33	
	WSR45C	7.20	7.38	9.29	8.78		
	WSR46	7.55	7.56	16.21	14.78		
	Mid-Flood	DS1	7.16	7.15	16.73	12.50	
		DS2	7.14	7.16	27.02	33.17	

Sampling Date	Tidal Period	Station	Average DO Levels (mg/L)		Average Turbidity Level (NTU)	Average SS Level (mg/L)
			Bottom	Surface and Mid Depth		
		DS3	7.31	7.29	13.88	18.00
		DS4	7.53	7.43	11.22	12.22
		DS5	7.40	7.37	12.51	13.33
		US1	7.21	7.20	10.07	10.67
		US2	7.19	7.18	12.58	13.00
		MW1	6.85	6.92	10.42	9.89
		THB1	7.15	7.12	7.17	6.33
		THB2	-	7.82	7.50	9.33
		WSR45C	7.09	7.11	12.98	12.11
		WSR46	7.26	7.23	13.10	12.67
2014/01/08	Mid-Ebb	DS1	7.48	7.47	12.13	13.50
		DS2	7.46	7.44	8.27	7.67
		DS3	7.40	7.43	8.42	8.56
		DS4	7.43	7.45	7.73	6.22
		DS5	7.41	7.45	7.02	5.22
		US1	7.61	7.60	22.43	22.67
		US2	7.61	7.60	11.25	11.17
		MW1	7.16	7.25	3.41	3.00
		THB1	7.57	7.60	5.25	4.67
		THB2	-	7.29	8.10	9.33
		WSR45C	7.36	7.43	7.48	6.78
		WSR46	7.44	7.47	7.02	5.00
		Mid-Flood	DS1	7.41	7.41	8.37
	DS2		7.46	7.45	6.52	5.17
	DS3		7.57	7.56	8.82	7.67
	DS4		7.59	7.58	12.05	14.67
	DS5		7.55	7.56	10.70	9.56
	US1		7.35	7.38	6.92	5.17
	US2		7.28	7.34	11.32	11.89
	MW1		7.02	7.09	4.82	3.44
	THB1		7.40	7.41	6.30	5.00
	THB2		-	7.35	7.00	3.67
	WSR45C		7.15	7.27	8.67	8.44
	WSR46		7.27	7.31	12.47	12.33

Notes:

1. Please refer to Table C2 below for the Action and Limit Levels for dredging activities.
2. Cell shaded yellow indicated value exceeding the Action Level criteria.
3. Cell shaded red indicated value exceeding the Limit Level criteria.
4. Only mid-depth water was sampled at Station THB2 because water depth was less than 3m.
5. Sampling at THB2 was cancelled on 11, 13, and 16 December 2013 due to adverse weather condition.
6. On 20, 23 December 2013, and 2 January 2014, only mid-depth water was sampled at Station DS2/DS3 during mid-flood tide because water depth was less than 3m.

Table C2 Action and Limit Levels of Water Quality for Dredging, Backfilling and Capping Activities

Parameter	Action Level	Limit Level
Dissolved Oxygen (DO) ⁽¹⁾	<u>Surface and Mid-depth</u> ⁽²⁾ The average of the impact, WSR 45C and WSR 46 station readings are < 5%-ile of baseline data for surface and middle layer = 4.32 mg L⁻¹ and Significantly less than the reference stations mean DO (at the same tide of the same day)	<u>Surface and Mid-depth</u> ⁽²⁾ The average of the impact, WSR 45C and WSR 46 station readings are < 4 mg L⁻¹ and Significantly less than the reference stations mean DO (at the same tide of the same day)
	<u>Bottom</u> The average of the impact, WSR 45C and WSR 46 station readings are < 5%-ile of baseline data for bottom layers = 3.12 mg L⁻¹ and Significantly less than the reference stations mean DO (at the same tide of the same day)	<u>Bottom</u> The average of the impact station, WSR 45C and WSR 46 readings are < 2 mg L⁻¹ and Significantly less than the reference stations mean DO (at the same tide of the same day)
Depth-averaged Suspended Solids (SS) ^{(3) (4)}	The average of the impact, WSR 45C and WSR 46 station readings are > 95%-ile of baseline data for depth average = 21.60 mg L⁻¹ and 120% of control station's SS at the same tide of the same day	The average of the impact, WSR 45C and WSR 46 station readings are > 99%-ile of baseline data for depth average = 40.10 mg L⁻¹ and 130% of control station's SS at the same tide of the same day
Depth-averaged Turbidity (Tby) ^{(3) (4)}	The average of the impact, WSR 45C and WSR 46 station readings are > 95%-ile of baseline data = 25.04 NTU and 120% of control station's Tby at the same tide of the same day	The average of the impact, WSR 45C and WSR 46 station readings are > 99%-ile of baseline data = 32.68 NTU and 130% of control station's Tby at the same tide of the same day

Notes:

- (1) For DO, non-compliance of the water quality limits occurs when monitoring result is lower than the limits.
- (2) The Action and Limit Levels for DO for Surface & Middle layers were calculated from the combined pool of baseline surface layer data and baseline middle layer data.
- (3) "Depth-averaged" is calculated by taking the arithmetic means of reading of all three depths.
- (4) For turbidity and SS, non-compliance of the water quality limits occurs when monitoring result is higher than the limits.

Table C3

In-situ Monitoring Results for Routine Water Quality Monitoring of CMP 1 in January 2014

Sampling Date	Stations	Temp (°C)	Salinity (ppt)	Turbidity (NTU)	Dissolved Oxygen		pH (mg L ⁻¹)
					(%)	(mg L ⁻¹)	
2014/1/3	RFF (Reference)	16.99	31.72	17.55	95.45	7.62	8.00
	IPF (Impact)	17.03	31.76	18.04	94.78	7.56	7.99
	INF (Intermediate)	17.18	32.05	28.21	93.21	7.40	7.98
	Ma Wan Station	17.12	32.00	26.77	93.02	7.39	7.98
	Shum Shui Kok Station	17.07	31.71	19.38	93.20	7.43	7.99
	Tai Mo To Station	17.03	31.72	22.63	94.71	7.55	7.99
	Tai Ho Bay Station 1	16.98	31.88	9.54	97.54	7.78	8.01
	Tai Ho Bay Station 2	17.51	31.97	7.29	99.30	7.84	7.98
	WQO	N/A	28.55-34.90 (Note 1)	N/A	N/A	>4	6.5-8.5
2014/1/7	RFF (Reference)	17.14	31.20	12.40	93.56	7.47	7.98
	IPF (Impact)	17.18	31.21	12.96	92.95	7.41	7.97
	INF (Intermediate)	17.30	31.74	11.52	90.43	7.18	7.95
	Ma Wan Station	17.29	31.82	6.87	89.77	7.12	8.00
	Shum Shui Kok Station	17.14	31.19	11.48	92.21	7.36	7.98
	Tai Mo To Station	17.21	31.17	12.18	93.25	7.44	7.96
	Tai Ho Bay Station 1	17.27	31.28	11.60	93.63	7.45	7.98
	Tai Ho Bay Station 2	17.23	30.60	10.18	94.86	7.59	7.93
	WQO	N/A	28.08-34.32 (Note 1)	N/A	N/A	>4	6.5-8.5
2014/1/9	RFF (Reference)	17.32	31.38	5.94	91.65	7.28	7.99
	IPF (Impact)	17.32	31.41	10.55	91.38	7.26	8.00
	INF (Intermediate)	17.40	32.41	3.67	89.77	7.08	8.02
	Ma Wan Station	17.41	32.55	3.58	89.22	7.03	7.96
	Shum Shui Kok Station	17.32	32.00	4.83	90.40	7.16	8.01
	Tai Mo To Station	17.29	31.60	5.95	91.46	7.26	8.01
	Tai Ho Bay Station 1	17.31	30.23	7.61	93.33	7.47	7.96
	Tai Ho Bay Station 2	17.09	30.50	6.24	91.61	7.35	7.80
	WQO	N/A	28.24-34.52 (Note 1)	N/A	N/A	>4	6.5-8.5
2014/1/11	RFF (Reference)	17.23	32.46	3.11	90.58	7.16	7.96
	IPF (Impact)	17.06	32.03	5.15	89.37	7.11	7.97
	INF (Intermediate)	16.73	31.14	8.65	94.94	7.64	7.96
	Ma Wan Station	17.22	32.80	1.58	89.22	7.05	8.00
	Shum Shui Kok Station	17.24	32.48	2.98	87.40	6.91	7.95
	Tai Mo To Station	17.08	32.09	6.60	92.29	7.34	7.94
	Tai Ho Bay Station 1	17.19	31.59	6.63	89.53	7.12	7.96
	Tai Ho Bay Station 2	17.04	30.74	4.90	84.65	6.79	7.84
	WQO	N/A	29.21-35.71 (Note 1)	N/A	N/A	>4	6.5-8.5
2014/1/14	RFF (Reference)	16.99	32.83	2.83	92.29	7.32	7.97
	IPF (Impact)	17.08	32.27	5.10	92.49	7.35	8.01
	INF (Intermediate)	16.79	31.73	8.68	97.81	7.84	8.01
	Ma Wan Station	16.95	32.83	2.92	92.37	7.33	8.00
	Shum Shui Kok Station	16.96	32.72	3.27	89.51	7.11	8.02
	Tai Mo To Station	16.95	32.25	17.37	94.66	7.54	7.94
	Tai Ho Bay Station 1	16.85	31.80	6.54	94.06	7.52	8.01

Sampling Date	Stations	Temp	Salinity	Turbidity	Dissolved Oxygen		pH
		(°C)	(ppt)	(NTU)	(%)	(mg L ⁻¹)	(mg L ⁻¹)
	Tai Ho Bay Station 2	16.89	31.60	10.19	98.59	7.89	8.02
	WQO	N/A	29.55-36.12 (Note 1)	N/A	N/A	>4	6.5-8.5
2014/1/16	RFF (Reference)	16.74	32.77	4.84	96.33	7.68	8.01
	IPF (Impact)	16.78	32.62	3.57	97.48	7.77	8.03
	INF (Intermediate)	16.65	32.16	8.39	101.52	8.14	8.04
	Ma Wan Station	16.72	32.76	2.17	95.75	7.63	7.99
	Shum Shui Kok Station	16.68	32.74	3.56	95.15	7.60	8.00
	Tai Mo To Station	16.49	32.74	5.43	98.02	7.85	8.01
	Tai Ho Bay Station 1	16.64	32.09	4.42	100.34	8.05	8.03
	Tai Ho Bay Station 2	16.77	32.08	3.94	97.84	7.83	8.00
	WQO	N/A	29.49-36.04 (Note 1)	N/A	N/A	>4	6.5-8.5

Note:
1 #Not exceeding 10% of natural ambient level which is the result obtained from the Reference Station.
2 Cell shaded yellow indicate value exceeding the Action Level/Limit Level.

Table C4 *Laboratory Results for Routine Water Quality Monitoring of CMP 1 in January 2014*

Date	Stations	As (µg/L)	Cd (µg/L)	Cr (µg/L)	Cu (µg/L)	Pb (µg/L)	Hg (µg/L)	Ni (µg/L)	Ag (µg/L)	Zn (µg/L)	NH ₃ (mg/L)	TIN (mg/L)	BOD ₅ (mg/L)	SS (mg/L)
1/3	RFF	1.25	<LOR	0.63	2.10	<LOR	<LOR	1.92	<LOR	3.29	0.09	0.29	1.20	23.21
	IPF	<LOR	<LOR	0.88	2.08	0.88	<LOR	2.38	<LOR	6.13	0.12	0.32	1.27	22.17
	INF	<LOR	<LOR	0.96	1.75	1.13	<LOR	1.63	<LOR	3.63	0.12	0.31	1.37	35.83
	Ma Wan Station	1.13	<LOR	0.56	1.69	0.56	<LOR	2.00	<LOR	11.63	0.10	0.30	4.41	22.13
	Shum Shui Kok Station	1.25	<LOR	0.88	2.13	0.63	<LOR	2.00	<LOR	3.25	0.13	0.36	1.21	22.50
	Tai Mo To Station	1.13	<LOR	<LOR	1.75	<LOR	<LOR	2.00	<LOR	4.13	0.15	0.37	1.68	24.13
	Tai Ho Bay Station 1	1.25	<LOR	0.69	36.38	1.75	<LOR	8.38	<LOR	16.25	0.07	0.26	1.43	10.50
	Tai Ho Bay Station 2	<LOR	<LOR	0.56	2.63	<LOR	<LOR	2.00	<LOR	12.25	0.01	0.15	1.31	4.00
1/7	RFF	1.58	<LOR	<LOR	1.21	<LOR	<LOR	2.04	<LOR	2.63	0.11	0.38	0.38	14.29
	IPF	2.33	<LOR	0.52	1.54	<LOR	<LOR	2.08	<LOR	3.42	0.12	0.39	0.50	14.00
	INF	1.96	<LOR	0.52	1.35	<LOR	<LOR	2.04	<LOR	2.33	0.12	0.36	0.43	29.83
	Ma Wan Station	1.13	<LOR	<LOR	1.38	<LOR	<LOR	2.50	<LOR	<LOR	0.12	0.36	0.52	8.50
	Shum Shui Kok Station	<LOR	<LOR	<LOR	1.88	<LOR	<LOR	3.88	<LOR	2.25	0.12	0.39	0.33	12.75
	Tai Mo To Station	<LOR	<LOR	<LOR	1.63	<LOR	<LOR	3.13	<LOR	<LOR	0.13	0.40	0.58	15.31
	Tai Ho Bay Station 1	1.13	<LOR	<LOR	2.00	<LOR	<LOR	4.00	<LOR	5.00	0.11	0.40	0.43	10.50
	Tai Ho Bay Station 2	<LOR	<LOR	<LOR	2.00	<LOR	<LOR	4.00	<LOR	11.00	0.06	0.32	0.78	11.25
1/9	RFF	1.38	<LOR	0.60	0.60	<LOR	<LOR	1.88	<LOR	4.21	0.18	0.45	0.40	5.94
	IPF	1.38	<LOR	0.71	3.40	0.83	<LOR	1.88	<LOR	6.17	0.19	0.45	0.36	12.42
	INF	1.13	<LOR	<LOR	0.63	<LOR	<LOR	0.81	<LOR	2.75	0.17	0.36	0.32	5.85
	Ma Wan Station	2.13	<LOR	<LOR	0.94	<LOR	<LOR	1.13	<LOR	19.75	0.15	0.31	0.79	7.38
	Shum Shui Kok Station	2.63	<LOR	<LOR	1.25	<LOR	<LOR	1.63	<LOR	7.00	0.18	0.39	0.25	7.50
	Tai Mo To Station	2.38	<LOR	<LOR	0.56	<LOR	<LOR	2.00	<LOR	2.38	0.18	0.44	0.46	6.63

Date	Stations	As (µg/L)	Cd (µg/L)	Cr (µg/L)	Cu (µg/L)	Pb (µg/L)	Hg (µg/L)	Ni (µg/L)	Ag (µg/L)	Zn (µg/L)	NH ₃ (mg/L)	TIN (mg/L)	BOD ₅ (mg/L)	SS (mg/L)
	Tai Ho Bay Station 1	2.25	<LOR	<LOR	0.63	<LOR	<LOR	2.25	<LOR	2.25	0.23	0.58	0.25	8.13
	Tai Ho Bay Station 2	1.88	<LOR	<LOR	2.13	0.56	<LOR	2.00	<LOR	12.00	0.10	0.39	0.73	9.63
1/11	RFF	1.78	<LOR	<LOR	0.86	0.64	<LOR	1.03	<LOR	2.20	0.18	0.38	0.37	5.89
	IPF	1.95	<LOR	<LOR	1.13	<LOR	<LOR	1.50	<LOR	2.18	0.17	0.40	0.83	9.58
	INF	1.58	<LOR	0.56	0.88	0.51	<LOR	2.03	<LOR	2.70	0.16	0.46	0.51	12.39
	Ma Wan Station	1.88	<LOR	<LOR	0.56	<LOR	<LOR	0.56	<LOR	3.25	0.17	0.32	0.61	4.06
	Shum Shui Kok Station	1.75	<LOR	<LOR	0.81	<LOR	<LOR	0.94	<LOR	2.38	0.18	0.35	0.29	5.31
	Tai Mo To Station	1.75	<LOR	<LOR	0.75	<LOR	<LOR	1.38	<LOR	2.38	0.17	0.40	0.25	9.31
	Tai Ho Bay Station 1	2.00	<LOR	<LOR	6.00	<LOR	<LOR	2.00	<LOR	4.38	0.20	0.47	1.04	16.63
	Tai Ho Bay Station 2	1.25	<LOR	<LOR	1.38	<LOR	<LOR	2.00	<LOR	3.13	0.14	0.45	0.53	7.88
1/14	RFF	1.33	<LOR	<LOR	0.68	<LOR	<LOR	0.53	<LOR	2.25	0.16	0.33	0.73	5.31
	IPF	1.50	<LOR	<LOR	4.80	0.55	<LOR	0.95	<LOR	5.05	0.20	0.43	0.88	7.06
	INF	1.50	<LOR	0.89	1.65	0.85	<LOR	1.50	<LOR	4.28	0.14	0.41	1.30	9.89
	Ma Wan Station	<LOR	<LOR	<LOR	0.69	<LOR	<LOR	<LOR	<LOR	<LOR	0.16	0.27	1.00	6.50
	Shum Shui Kok Station	1.13	<LOR	<LOR	1.25	<LOR	<LOR	0.56	<LOR	5.00	0.19	0.36	1.06	5.63
	Tai Mo To Station	1.50	<LOR	<LOR	1.25	<LOR	<LOR	<LOR	<LOR	2.75	0.20	0.39	1.10	15.25
	Tai Ho Bay Station 1	<LOR	<LOR	0.81	15.00	<LOR	<LOR	0.94	<LOR	11.13	0.19	0.44	1.24	8.63
	Tai Ho Bay Station 2	1.13	<LOR	0.69	2.50	<LOR	<LOR	0.81	<LOR	6.75	0.14	0.35	0.89	6.63
1/16	RFF	2.05	<LOR	<LOR	1.16	<LOR	<LOR	1.03	<LOR	3.93	0.05	0.20	0.62	9.30
	IPF	1.75	<LOR	<LOR	0.56	<LOR	<LOR	0.98	<LOR	5.70	0.03	0.19	0.86	9.60
	INF	1.45	<LOR	<LOR	0.70	0.51	<LOR	1.73	<LOR	5.98	0.01	0.21	0.93	12.28
	Ma Wan Station	2.25	<LOR	<LOR	0.75	<LOR	<LOR	1.00	<LOR	2.38	0.05	0.19	0.96	4.19
	Shum Shui Kok Station	2.38	<LOR	<LOR	2.13	<LOR	<LOR	1.50	<LOR	4.38	0.04	0.20	0.96	4.75
	Tai Mo To Station	1.88	<LOR	<LOR	1.25	<LOR	<LOR	1.00	<LOR	2.50	0.01	0.16	0.73	8.81
	Tai Ho Bay Station 1	1.88	<LOR	<LOR	0.69	<LOR	<LOR	2.00	<LOR	4.13	0.04	0.28	1.03	16.63
	Tai Ho Bay Station 2	1.63	<LOR	<LOR	2.00	<LOR	<LOR	1.75	<LOR	4.75	0.03	0.25	0.80	7.88

WQO of TIN: 0.5 µg/L

Wet Season WQO of SS: 12.0 mg/L

Dry Season WQO of SS: 14.4 mg/L

Note: Cell shaded grey indicated value exceeding WQO.