Table C1 Action and Limit Levels of Water Quality for Dredging, Backfilling and Capping Activities for SB CMPs

Parameter	Action Level	Limit Level			
Dissolved Oxygen (DO) (1)	Surface and Mid-depth (2)	Surface and Mid-depth (2)			
	The average of the impact, WSR 45C	The average of the impact, WSR 45C			
	and WSR 46 station readings are < 5%-	and WSR 46 station readings are < 4			
	ile of baseline data for surface and	mg L-1			
	middle layer = 4.32 mg L-1				
		and			
	and				
		Significantly less than the reference			
	Significantly less than the reference	stations mean DO (at the same tide of			
	stations mean DO (at the same tide of	the same day)			
	the same day)				
	Bottom	Bottom			
	The average of the impact, WSR 45C	The average of the impact station,			
	and WSR 46 station readings are < 5%-	WSR 45C and WSR 46 readings are < 2			
	ile of baseline data for bottom layers =	mg L-1			
	3.12 mg L ⁻¹	8			
	o e e e e e e e e e e e e e e e e e e e	and			
	and				
		Significantly less than the reference			
	Significantly less than the reference	stations mean DO (at the same tide of			
	stations mean DO (at the same tide of	the same day)			
	the same day)	· · · · · · · · · · · · · · · · · · ·			
Depth-averaged Suspended	The average of the impact, WSR 45C	The average of the impact, WSR 45C			
Solids (SS) (3) (4)	and WSR 46 station readings are >	and WSR 46 station readings are >			
	95%-ile of baseline data for depth	99%-ile of baseline data for depth			
	average = 21.60 mg L-1	average = 40.10 mg L ⁻¹			
	and	and			
	120% of control station's SS at the same	130% of control station's SS at the same			
	tide of the same day	tide of the same day			
D d 1m 1.10	(4)	(4)			
Depth-averaged Turbidity	The average of the impact, WSR 45C	The average of the impact, WSR 45C			
(Tby) (3) (4)	and WSR 46 station readings are >	and WSR 46 station readings are >			
	95%-ile of baseline data = 25.04 NTU	99%-ile of baseline data = 32.68 NTU			
	and	and			
	and 120% of control station's Tby at the same tide of the same day	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 C2 In-situ Monitoring Results for Routine Water Quality Monitoring of CMP 2 on 6 July 2015

Sampling	Stations	Temp	Salinity	Turbidity	Dissolve	pН	
Period	Stations	(°C)	(ppt)	(NTU)	(%)	(mg L-1)	(mg L-1)
July	RFF (Reference)	25.82	28.46	10.44	47.58	3.30	7.76
2015	IPF (Impact)	28.48	21.55	12.03	72.08	4.96	7.77
	INF (Intermediate)	28.33	22.15	13.71	68.06	4.68	7.75
	Ma Wan	27.32	24.58	4.19	63.57	4.39	7.74
	Shum Shui Kok	27.67	23.60	6.04	63.12	4.36	7.75
	Tai Mo To	27.22	24.85	13.21	52.34	3.62	7.70
	Tai Ho Bay 1	28.51	21.15	10.25	64.60	4.45	7.71
	Tai Ho Bay 2	29.09	18.98	3.18	80.17	5.54	7.34
	WQO	N/A	25.61 - 31.30#	N/A	N/A	>4	6.5-8.5

Notes:

Cell shaded grey indicate value exceeding the WQO.

Table C3 Laboratory Results for Routine Water Quality Monitoring of CMP 2 in July 2015

Sampling Period	Stations	As (μg/L)	Cd (μg/L)	Cr (µg/L)	Cu (µg/L)	Pb	Hg	Ni (ug/L)	Ag	Zn	NH ₃	TIN (mg/L)	BOD ₅	SS (mg/I)
renou		(μg/L)	(µg/L)	(µg/L)	(μg/L)	(μg/L)	(μg/L)	(µg/L)	(μg/L)	(µg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
July 2015	RFF	2.54	<lor< td=""><td><lor< td=""><td>31.29</td><td>1.24</td><td>0.89</td><td>1.68</td><td><lor< td=""><td>37.89</td><td>0.07</td><td>0.55</td><td>1.30</td><td>18.97</td></lor<></td></lor<></td></lor<>	<lor< td=""><td>31.29</td><td>1.24</td><td>0.89</td><td>1.68</td><td><lor< td=""><td>37.89</td><td>0.07</td><td>0.55</td><td>1.30</td><td>18.97</td></lor<></td></lor<>	31.29	1.24	0.89	1.68	<lor< td=""><td>37.89</td><td>0.07</td><td>0.55</td><td>1.30</td><td>18.97</td></lor<>	37.89	0.07	0.55	1.30	18.97
	IPF	2.36	<lor< td=""><td><lor< td=""><td>5.56</td><td>1.54</td><td>1.02</td><td>1.75</td><td><lor< td=""><td>21.38</td><td>0.04</td><td>0.98</td><td>1.02</td><td>14.92</td></lor<></td></lor<></td></lor<>	<lor< td=""><td>5.56</td><td>1.54</td><td>1.02</td><td>1.75</td><td><lor< td=""><td>21.38</td><td>0.04</td><td>0.98</td><td>1.02</td><td>14.92</td></lor<></td></lor<>	5.56	1.54	1.02	1.75	<lor< td=""><td>21.38</td><td>0.04</td><td>0.98</td><td>1.02</td><td>14.92</td></lor<>	21.38	0.04	0.98	1.02	14.92
	INF	2.61	<lor< td=""><td><lor< td=""><td>9.41</td><td>1.34</td><td>0.80</td><td>1.61</td><td><lor< td=""><td>18.58</td><td>0.07</td><td>0.94</td><td>1.65</td><td>17.92</td></lor<></td></lor<></td></lor<>	<lor< td=""><td>9.41</td><td>1.34</td><td>0.80</td><td>1.61</td><td><lor< td=""><td>18.58</td><td>0.07</td><td>0.94</td><td>1.65</td><td>17.92</td></lor<></td></lor<>	9.41	1.34	0.80	1.61	<lor< td=""><td>18.58</td><td>0.07</td><td>0.94</td><td>1.65</td><td>17.92</td></lor<>	18.58	0.07	0.94	1.65	17.92
	Ma Wan	2.28	<lor< td=""><td><lor< td=""><td>11.77</td><td>0.57</td><td>0.71</td><td>0.58</td><td><lor< td=""><td>16.28</td><td>0.05</td><td>0.74</td><td>1.00</td><td>7.13</td></lor<></td></lor<></td></lor<>	<lor< td=""><td>11.77</td><td>0.57</td><td>0.71</td><td>0.58</td><td><lor< td=""><td>16.28</td><td>0.05</td><td>0.74</td><td>1.00</td><td>7.13</td></lor<></td></lor<>	11.77	0.57	0.71	0.58	<lor< td=""><td>16.28</td><td>0.05</td><td>0.74</td><td>1.00</td><td>7.13</td></lor<>	16.28	0.05	0.74	1.00	7.13
	Shum Shui	2 52	<lor< td=""><td><lor< td=""><td>3.08</td><td><lor< td=""><td>0.74</td><td>0.73</td><td><lor< td=""><td>8.04</td><td>0.04</td><td>0.89</td><td>1.51</td><td>9.05</td></lor<></td></lor<></td></lor<></td></lor<>	<lor< td=""><td>3.08</td><td><lor< td=""><td>0.74</td><td>0.73</td><td><lor< td=""><td>8.04</td><td>0.04</td><td>0.89</td><td>1.51</td><td>9.05</td></lor<></td></lor<></td></lor<>	3.08	<lor< td=""><td>0.74</td><td>0.73</td><td><lor< td=""><td>8.04</td><td>0.04</td><td>0.89</td><td>1.51</td><td>9.05</td></lor<></td></lor<>	0.74	0.73	<lor< td=""><td>8.04</td><td>0.04</td><td>0.89</td><td>1.51</td><td>9.05</td></lor<>	8.04	0.04	0.89	1.51	9.05
	Kok	2.02	LOI	LOI	0.00	·LOI	0.7 1	0.70	LOI	0.01	0.01	0.07	1.01	7.00
	Tai Mo To	2.30	<lor< td=""><td><lor< td=""><td>30.18</td><td>1.27</td><td>0.61</td><td>1.67</td><td><lor< td=""><td>29.88</td><td>0.04</td><td>0.81</td><td>1.06</td><td>10.18</td></lor<></td></lor<></td></lor<>	<lor< td=""><td>30.18</td><td>1.27</td><td>0.61</td><td>1.67</td><td><lor< td=""><td>29.88</td><td>0.04</td><td>0.81</td><td>1.06</td><td>10.18</td></lor<></td></lor<>	30.18	1.27	0.61	1.67	<lor< td=""><td>29.88</td><td>0.04</td><td>0.81</td><td>1.06</td><td>10.18</td></lor<>	29.88	0.04	0.81	1.06	10.18
	Tai Ho Bay 1	2.89	<lor< td=""><td><lor< td=""><td>12.14</td><td>1.00</td><td>0.48</td><td>1.63</td><td><lor< td=""><td>17.75</td><td>0.07</td><td>0.95</td><td>2.56</td><td>9.35</td></lor<></td></lor<></td></lor<>	<lor< td=""><td>12.14</td><td>1.00</td><td>0.48</td><td>1.63</td><td><lor< td=""><td>17.75</td><td>0.07</td><td>0.95</td><td>2.56</td><td>9.35</td></lor<></td></lor<>	12.14	1.00	0.48	1.63	<lor< td=""><td>17.75</td><td>0.07</td><td>0.95</td><td>2.56</td><td>9.35</td></lor<>	17.75	0.07	0.95	2.56	9.35
	Tai Ho Bay 2	2.17	<lor< td=""><td><lor< td=""><td>1.93</td><td><lor< td=""><td>0.73</td><td>1.13</td><td><lor< td=""><td>6.61</td><td>0.07</td><td>0.85</td><td>1.76</td><td>6.29</td></lor<></td></lor<></td></lor<></td></lor<>	<lor< td=""><td>1.93</td><td><lor< td=""><td>0.73</td><td>1.13</td><td><lor< td=""><td>6.61</td><td>0.07</td><td>0.85</td><td>1.76</td><td>6.29</td></lor<></td></lor<></td></lor<>	1.93	<lor< td=""><td>0.73</td><td>1.13</td><td><lor< td=""><td>6.61</td><td>0.07</td><td>0.85</td><td>1.76</td><td>6.29</td></lor<></td></lor<>	0.73	1.13	<lor< td=""><td>6.61</td><td>0.07</td><td>0.85</td><td>1.76</td><td>6.29</td></lor<>	6.61	0.07	0.85	1.76	6.29

WQO of TIN: 0.5 mg/L

Wet Season WQO of SS: 11.6 mg/L

Note: Cell shaded yellow / red indicate value exceeding the Action/Limit levels. Cell shaded grey indicate value exceeding the WQO.

Table C4 Water Column Profiling Results for SB CMP 2 on 7 July 2015

Stations	Temp	Salinity (ppt)	Turbidity (NTU)	Dissolved Oxygen (%) (mg L-1)		рН	
WCP1			, ,	. ,			(mg L-1)
(Downstream)	26.41	26.45	6.73	52.14	3.62	7.81	8.58
WCP 2 (Upstream)	27.58	23.45	12.55	66.76	4.62	7.81	9.95
WQO (wet season)	N/A	22.45- 25.79#	N/A	N/A	>4	6.5-8.5	11.6

Note: # Not exceeding 2°C of change of the results from the Reference Station.

*Not exceeding 10% of natural ambient level which is the result obtained from the Reference Station. Cell shaded grey indicate value exceeding the WQO.

[#] Not exceeding 2°C of change of the results from the Reference Station.

[#]Not exceeding 10% of natural ambient level which is the result obtained from the Reference Station.

Cell shaded yellow / red indicate value exceeding the Action/Limit levels.