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	0			
		and			
	and				
	and	Significantly less than the reference			
	Cignificantly loss than the reference	stations mean DO (at the same tide of			
	Significantly less than the reference				
	stations mean DO (at the same tide of	the same day)			
	the same day)				
		D. //			
	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 <			
	ile of baseline data for bottom layers =	mg L ⁻¹			
	3.12 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)				
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				
	tide of the same day	tide of the same day			
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			
	120% of control station's Thy at the	130% of control station's Thy at the			
	120% of control station's Tby at the	130% of control station's Tby at the			
	same tide of the same day	same tide of the same day			

Table C1Action and Limit Levels of Water Quality for Dredging, Backfilling and
Capping Activities for SB CMPs

(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 C2In-situ Monitoring Results for Routine Water Quality Monitoring of CMP 2
on 11 May 2015

Sampling	Stations	Temp	Salinity	Turbidity	Dissolve	pН	
Period	Stations	(°C)	(ppt)	(NTU)	(%)	(mg L-1)	(mg L-1)
May	RFF (Reference)	26.29	23.29	7.49	79.47	5.63	7.85
2015	IPF (Impact)	25.77	25.90	11.54	74.85	5.27	7.86
	INF (Intermediate)	25.01	29.22	5.62	73.71	5.16	7.89
	Ma Wan	24.96	29.46	3.46	74.32	5.20	7.89
Sh	Shum Shui Kok	25.12	28.88	9.65	72.80	5.09	7.89
	Tai Mo To	25.49	27.17	10.59	75.05	5.27	7.88
	Tai Ho Bay 1	27.04	20.84	7.92	83.67	5.93	7.83
	Tai Ho Bay 2	27.10	19.90	4.08	81.91	5.83	7.82
	WQO	N/A	20.96 - 25.62#	N/A	N/A	>4	6.5-8.5

Notes:

*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.

Cell shaded grey indicate value exceeding the WQO.

Table C3Laboratory Results for Routine Water Quality Monitoring of CMP 2 in April
and May 2015

Sampling Period	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)	NH3 (mg/L)	TIN (mg/L)	BOD5 (mg/L)	SS (mg/L)
April 2015	RFF	2.23	<lor< td=""><td>0.74</td><td>4.41</td><td>0.67</td><td><lor< td=""><td>0.99</td><td><lor< td=""><td>9.83</td><td>0.13</td><td>0.40</td><td>1.94</td><td>9.64</td></lor<></td></lor<></td></lor<>	0.74	4.41	0.67	<lor< td=""><td>0.99</td><td><lor< td=""><td>9.83</td><td>0.13</td><td>0.40</td><td>1.94</td><td>9.64</td></lor<></td></lor<>	0.99	<lor< td=""><td>9.83</td><td>0.13</td><td>0.40</td><td>1.94</td><td>9.64</td></lor<>	9.83	0.13	0.40	1.94	9.64
	IPF	2.26	<lor< td=""><td>0.65</td><td>4.30</td><td>0.68</td><td><lor< td=""><td>0.72</td><td><lor< td=""><td>9.55</td><td>0.13</td><td>0.38</td><td>1.92</td><td>9.14</td></lor<></td></lor<></td></lor<>	0.65	4.30	0.68	<lor< td=""><td>0.72</td><td><lor< td=""><td>9.55</td><td>0.13</td><td>0.38</td><td>1.92</td><td>9.14</td></lor<></td></lor<>	0.72	<lor< td=""><td>9.55</td><td>0.13</td><td>0.38</td><td>1.92</td><td>9.14</td></lor<>	9.55	0.13	0.38	1.92	9.14
	INF	2.31	<lor< td=""><td>0.64</td><td>4.45</td><td>0.57</td><td><lor< td=""><td>0.68</td><td><lor< td=""><td>19.93</td><td>0.14</td><td>0.35</td><td>2.11</td><td>8.34</td></lor<></td></lor<></td></lor<>	0.64	4.45	0.57	<lor< td=""><td>0.68</td><td><lor< td=""><td>19.93</td><td>0.14</td><td>0.35</td><td>2.11</td><td>8.34</td></lor<></td></lor<>	0.68	<lor< td=""><td>19.93</td><td>0.14</td><td>0.35</td><td>2.11</td><td>8.34</td></lor<>	19.93	0.14	0.35	2.11	8.34
	Ma Wan	2.25	<lor< td=""><td>0.80</td><td>6.21</td><td>1.31</td><td><lor< td=""><td>1.18</td><td><lor< td=""><td>10.54</td><td>0.15</td><td>0.27</td><td>1.75</td><td>6.50</td></lor<></td></lor<></td></lor<>	0.80	6.21	1.31	<lor< td=""><td>1.18</td><td><lor< td=""><td>10.54</td><td>0.15</td><td>0.27</td><td>1.75</td><td>6.50</td></lor<></td></lor<>	1.18	<lor< td=""><td>10.54</td><td>0.15</td><td>0.27</td><td>1.75</td><td>6.50</td></lor<>	10.54	0.15	0.27	1.75	6.50
	Shum Shui Kok	2.39	<lor< td=""><td>0.81</td><td>4.13</td><td>0.66</td><td><lor< td=""><td>1.20</td><td><lor< td=""><td>9.99</td><td>0.15</td><td>0.37</td><td>3.05</td><td>7.50</td></lor<></td></lor<></td></lor<>	0.81	4.13	0.66	<lor< td=""><td>1.20</td><td><lor< td=""><td>9.99</td><td>0.15</td><td>0.37</td><td>3.05</td><td>7.50</td></lor<></td></lor<>	1.20	<lor< td=""><td>9.99</td><td>0.15</td><td>0.37</td><td>3.05</td><td>7.50</td></lor<>	9.99	0.15	0.37	3.05	7.50
	Tai Mo To	2.23	<lor< td=""><td>0.70</td><td>3.25</td><td><lor< td=""><td><lor< td=""><td>1.33</td><td><lor< td=""><td>14.25</td><td>0.17</td><td>0.41</td><td>4.31</td><td>12.44</td></lor<></td></lor<></td></lor<></td></lor<>	0.70	3.25	<lor< td=""><td><lor< td=""><td>1.33</td><td><lor< td=""><td>14.25</td><td>0.17</td><td>0.41</td><td>4.31</td><td>12.44</td></lor<></td></lor<></td></lor<>	<lor< td=""><td>1.33</td><td><lor< td=""><td>14.25</td><td>0.17</td><td>0.41</td><td>4.31</td><td>12.44</td></lor<></td></lor<>	1.33	<lor< td=""><td>14.25</td><td>0.17</td><td>0.41</td><td>4.31</td><td>12.44</td></lor<>	14.25	0.17	0.41	4.31	12.44
	Tai Ho Bay 1	2.24	<lor< td=""><td>0.79</td><td>2.69</td><td>0.64</td><td><lor< td=""><td>1.25</td><td><lor< td=""><td>10.98</td><td>0.13</td><td>0.46</td><td>2.28</td><td>12.16</td></lor<></td></lor<></td></lor<>	0.79	2.69	0.64	<lor< td=""><td>1.25</td><td><lor< td=""><td>10.98</td><td>0.13</td><td>0.46</td><td>2.28</td><td>12.16</td></lor<></td></lor<>	1.25	<lor< td=""><td>10.98</td><td>0.13</td><td>0.46</td><td>2.28</td><td>12.16</td></lor<>	10.98	0.13	0.46	2.28	12.16
	Tai Ho Bay 2	2.28	<lor< td=""><td>0.64</td><td>3.50</td><td>0.78</td><td><lor< td=""><td>1.43</td><td><lor< td=""><td>9.78</td><td>0.09</td><td>0.46</td><td>3.71</td><td>8.90</td></lor<></td></lor<></td></lor<>	0.64	3.50	0.78	<lor< td=""><td>1.43</td><td><lor< td=""><td>9.78</td><td>0.09</td><td>0.46</td><td>3.71</td><td>8.90</td></lor<></td></lor<>	1.43	<lor< td=""><td>9.78</td><td>0.09</td><td>0.46</td><td>3.71</td><td>8.90</td></lor<>	9.78	0.09	0.46	3.71	8.90
Mary 201E	RFF	2.60	<lor< td=""><td>0.68</td><td>9.49</td><td><lor< td=""><td><lor< td=""><td>2.77</td><td><lor< td=""><td>12.81</td><td>0.21</td><td>1.17</td><td>0.80</td><td>10.18</td></lor<></td></lor<></td></lor<></td></lor<>	0.68	9.49	<lor< td=""><td><lor< td=""><td>2.77</td><td><lor< td=""><td>12.81</td><td>0.21</td><td>1.17</td><td>0.80</td><td>10.18</td></lor<></td></lor<></td></lor<>	<lor< td=""><td>2.77</td><td><lor< td=""><td>12.81</td><td>0.21</td><td>1.17</td><td>0.80</td><td>10.18</td></lor<></td></lor<>	2.77	<lor< td=""><td>12.81</td><td>0.21</td><td>1.17</td><td>0.80</td><td>10.18</td></lor<>	12.81	0.21	1.17	0.80	10.18
May 2015	IPF	2.37	<lor< td=""><td>1.70</td><td>6.18</td><td>2.13</td><td><lor< td=""><td>2.91</td><td><lor< td=""><td>14.25</td><td>0.21</td><td>0.96</td><td>1.42</td><td>11.82</td></lor<></td></lor<></td></lor<>	1.70	6.18	2.13	<lor< td=""><td>2.91</td><td><lor< td=""><td>14.25</td><td>0.21</td><td>0.96</td><td>1.42</td><td>11.82</td></lor<></td></lor<>	2.91	<lor< td=""><td>14.25</td><td>0.21</td><td>0.96</td><td>1.42</td><td>11.82</td></lor<>	14.25	0.21	0.96	1.42	11.82
	INF	2.34	<lor< td=""><td>0.93</td><td>2.94</td><td>0.71</td><td><lor< td=""><td>1.53</td><td><lor< td=""><td>8.66</td><td>0.16</td><td>0.73</td><td>0.85</td><td>8.04</td></lor<></td></lor<></td></lor<>	0.93	2.94	0.71	<lor< td=""><td>1.53</td><td><lor< td=""><td>8.66</td><td>0.16</td><td>0.73</td><td>0.85</td><td>8.04</td></lor<></td></lor<>	1.53	<lor< td=""><td>8.66</td><td>0.16</td><td>0.73</td><td>0.85</td><td>8.04</td></lor<>	8.66	0.16	0.73	0.85	8.04
	Ma Wan	2.12	<lor< td=""><td><lor< td=""><td>6.51</td><td><lor< td=""><td><lor< td=""><td>1.40</td><td><lor< td=""><td>17.04</td><td>0.19</td><td>0.59</td><td>0.78</td><td>5.69</td></lor<></td></lor<></td></lor<></td></lor<></td></lor<>	<lor< td=""><td>6.51</td><td><lor< td=""><td><lor< td=""><td>1.40</td><td><lor< td=""><td>17.04</td><td>0.19</td><td>0.59</td><td>0.78</td><td>5.69</td></lor<></td></lor<></td></lor<></td></lor<>	6.51	<lor< td=""><td><lor< td=""><td>1.40</td><td><lor< td=""><td>17.04</td><td>0.19</td><td>0.59</td><td>0.78</td><td>5.69</td></lor<></td></lor<></td></lor<>	<lor< td=""><td>1.40</td><td><lor< td=""><td>17.04</td><td>0.19</td><td>0.59</td><td>0.78</td><td>5.69</td></lor<></td></lor<>	1.40	<lor< td=""><td>17.04</td><td>0.19</td><td>0.59</td><td>0.78</td><td>5.69</td></lor<>	17.04	0.19	0.59	0.78	5.69
	Shum Shui Kok	2.32	<lor< td=""><td><lor< td=""><td>4.85</td><td><lor< td=""><td><lor< td=""><td>1.52</td><td><lor< td=""><td>14.32</td><td>0.20</td><td>0.67</td><td>0.91</td><td>11.99</td></lor<></td></lor<></td></lor<></td></lor<></td></lor<>	<lor< td=""><td>4.85</td><td><lor< td=""><td><lor< td=""><td>1.52</td><td><lor< td=""><td>14.32</td><td>0.20</td><td>0.67</td><td>0.91</td><td>11.99</td></lor<></td></lor<></td></lor<></td></lor<>	4.85	<lor< td=""><td><lor< td=""><td>1.52</td><td><lor< td=""><td>14.32</td><td>0.20</td><td>0.67</td><td>0.91</td><td>11.99</td></lor<></td></lor<></td></lor<>	<lor< td=""><td>1.52</td><td><lor< td=""><td>14.32</td><td>0.20</td><td>0.67</td><td>0.91</td><td>11.99</td></lor<></td></lor<>	1.52	<lor< td=""><td>14.32</td><td>0.20</td><td>0.67</td><td>0.91</td><td>11.99</td></lor<>	14.32	0.20	0.67	0.91	11.99
	Tai Mo To	2.35	<lor< td=""><td><lor< td=""><td>2.40</td><td><lor< td=""><td><lor< td=""><td>1.83</td><td><lor< td=""><td>6.46</td><td>0.20</td><td>0.91</td><td>0.89</td><td>11.14</td></lor<></td></lor<></td></lor<></td></lor<></td></lor<>	<lor< td=""><td>2.40</td><td><lor< td=""><td><lor< td=""><td>1.83</td><td><lor< td=""><td>6.46</td><td>0.20</td><td>0.91</td><td>0.89</td><td>11.14</td></lor<></td></lor<></td></lor<></td></lor<>	2.40	<lor< td=""><td><lor< td=""><td>1.83</td><td><lor< td=""><td>6.46</td><td>0.20</td><td>0.91</td><td>0.89</td><td>11.14</td></lor<></td></lor<></td></lor<>	<lor< td=""><td>1.83</td><td><lor< td=""><td>6.46</td><td>0.20</td><td>0.91</td><td>0.89</td><td>11.14</td></lor<></td></lor<>	1.83	<lor< td=""><td>6.46</td><td>0.20</td><td>0.91</td><td>0.89</td><td>11.14</td></lor<>	6.46	0.20	0.91	0.89	11.14
	Tai Ho Bay 1	2.45	<lor< td=""><td>0.57</td><td>6.34</td><td><lor< td=""><td><lor< td=""><td>2.68</td><td><lor< td=""><td>10.31</td><td>0.19</td><td>1.31</td><td>0.86</td><td>9.91</td></lor<></td></lor<></td></lor<></td></lor<>	0.57	6.34	<lor< td=""><td><lor< td=""><td>2.68</td><td><lor< td=""><td>10.31</td><td>0.19</td><td>1.31</td><td>0.86</td><td>9.91</td></lor<></td></lor<></td></lor<>	<lor< td=""><td>2.68</td><td><lor< td=""><td>10.31</td><td>0.19</td><td>1.31</td><td>0.86</td><td>9.91</td></lor<></td></lor<>	2.68	<lor< td=""><td>10.31</td><td>0.19</td><td>1.31</td><td>0.86</td><td>9.91</td></lor<>	10.31	0.19	1.31	0.86	9.91
	Tai Ho Bay 2	2.07	<lor< td=""><td>0.76</td><td>1.68</td><td><lor< td=""><td><lor< td=""><td>2.68</td><td><lor< td=""><td>5.43</td><td>0.16</td><td>1.34</td><td>0.90</td><td>5.78</td></lor<></td></lor<></td></lor<></td></lor<>	0.76	1.68	<lor< td=""><td><lor< td=""><td>2.68</td><td><lor< td=""><td>5.43</td><td>0.16</td><td>1.34</td><td>0.90</td><td>5.78</td></lor<></td></lor<></td></lor<>	<lor< td=""><td>2.68</td><td><lor< td=""><td>5.43</td><td>0.16</td><td>1.34</td><td>0.90</td><td>5.78</td></lor<></td></lor<>	2.68	<lor< td=""><td>5.43</td><td>0.16</td><td>1.34</td><td>0.90</td><td>5.78</td></lor<>	5.43	0.16	1.34	0.90	5.78
											W	QO of T	FIN: 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 C4Water Column Profiling Results for SB CMP 2 on 13 May 2015

Stations	Temp	Salinity	Turbidity	Dissolved Oxygen		рН	
	(°C)	(ppt)	(NTU)	(%)	(mg L-1)	(mg L-1)	(mg L-1)
WCP 1 (Downstream)	25.71	25.44	20.41	75.76	5.35	7.87	19.98
WCP 2 (Upstream)	25.71	25.65	16.97	74.87	5.28	7.86	13.63
WQO (wet season)	N/A	22.99- 28.21#	N/A	N/A	>4	6.5-8.5	11.6

Note: *Not exceeding 10% of natural ambient level which is the result obtained from the Reference Station.

Cell shaded grey indicate value exceeding the WQO.