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

## Table C1Action and Limit Levels of Water Quality for Dredging, Backfilling and<br/>Capping Activities

(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<br/>in February 2015

Sampling	Stations	Temp	Salinity	Turbidity	Dissolve	pН		
Period	Stations	(°C)	(ppt)	(NTU)	(%)	(mg L-1)	(mg L-1)	
February	RFF (Reference)	16.83	29.79	5.35	101.61	8.23	8.04	
2015	IPF (Impact)	16.85	30.47	6.32	99.34	8.01	8.04	
	INF (Intermediate)	16.91	31.22	2.35	94.81	7.60	8.03	
	Ma Wan	16.86	31.23	1.43	95.71	7.68	8.02	
	Shum Shui Kok	16.82	30.34	2.51	100.70	8.13	8.06	
	Tai Mo To	16.88	30.56	4.38	99.27	8.00	8.04	
	Tai Ho Bay 1	16.87	30.24	8.28	101.38	8.18	8.06	
	Tai Ho Bay 2	16.62	29.75	7.67	97.42	7.93	7.37	
	WQO	N/A	26.81-32.76#	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.

## Table C3Laboratory Results for Routine Water Quality Monitoring of CMP 2 in<br/>January and February 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)
January	RFF	1.86	<lor< td=""><td>0.88</td><td>7.74</td><td>0.79</td><td><lor< td=""><td>2.18</td><td><lor< td=""><td>5.99</td><td>0.24</td><td>0.38</td><td>2.14</td><td>13.29</td></lor<></td></lor<></td></lor<>	0.88	7.74	0.79	<lor< td=""><td>2.18</td><td><lor< td=""><td>5.99</td><td>0.24</td><td>0.38</td><td>2.14</td><td>13.29</td></lor<></td></lor<>	2.18	<lor< td=""><td>5.99</td><td>0.24</td><td>0.38</td><td>2.14</td><td>13.29</td></lor<>	5.99	0.24	0.38	2.14	13.29
2015	IPF	1.78	<lor< td=""><td>0.81</td><td>4.21</td><td>0.94</td><td><lor< td=""><td>2.13</td><td><lor< td=""><td>7.90</td><td>0.22</td><td>0.38</td><td>1.14</td><td>8.08</td></lor<></td></lor<></td></lor<>	0.81	4.21	0.94	<lor< td=""><td>2.13</td><td><lor< td=""><td>7.90</td><td>0.22</td><td>0.38</td><td>1.14</td><td>8.08</td></lor<></td></lor<>	2.13	<lor< td=""><td>7.90</td><td>0.22</td><td>0.38</td><td>1.14</td><td>8.08</td></lor<>	7.90	0.22	0.38	1.14	8.08
	INF	2.12	<lor< td=""><td>0.70</td><td>1.96</td><td>0.80</td><td><lor< td=""><td>2.11</td><td><lor< td=""><td>12.26</td><td>0.22</td><td>0.38</td><td>0.89</td><td>4.99</td></lor<></td></lor<></td></lor<>	0.70	1.96	0.80	<lor< td=""><td>2.11</td><td><lor< td=""><td>12.26</td><td>0.22</td><td>0.38</td><td>0.89</td><td>4.99</td></lor<></td></lor<>	2.11	<lor< td=""><td>12.26</td><td>0.22</td><td>0.38</td><td>0.89</td><td>4.99</td></lor<>	12.26	0.22	0.38	0.89	4.99
	Ma Wan	2.41	<lor< td=""><td>0.71</td><td>3.31</td><td>0.80</td><td><lor< td=""><td>3.18</td><td><lor< td=""><td>10.76</td><td>0.13</td><td>0.28</td><td>2.05</td><td>6.14</td></lor<></td></lor<></td></lor<>	0.71	3.31	0.80	<lor< td=""><td>3.18</td><td><lor< td=""><td>10.76</td><td>0.13</td><td>0.28</td><td>2.05</td><td>6.14</td></lor<></td></lor<>	3.18	<lor< td=""><td>10.76</td><td>0.13</td><td>0.28</td><td>2.05</td><td>6.14</td></lor<>	10.76	0.13	0.28	2.05	6.14
	Shum Shui Kok	1.29	<lor< td=""><td>0.88</td><td>4.08</td><td>0.78</td><td><lor< td=""><td>1.69</td><td><lor< td=""><td>11.50</td><td>0.18</td><td>0.32</td><td>1.88</td><td>4.00</td></lor<></td></lor<></td></lor<>	0.88	4.08	0.78	<lor< td=""><td>1.69</td><td><lor< td=""><td>11.50</td><td>0.18</td><td>0.32</td><td>1.88</td><td>4.00</td></lor<></td></lor<>	1.69	<lor< td=""><td>11.50</td><td>0.18</td><td>0.32</td><td>1.88</td><td>4.00</td></lor<>	11.50	0.18	0.32	1.88	4.00
	Tai Mo To	2.50	<lor< td=""><td>0.73</td><td>1.36</td><td>0.73</td><td><lor< td=""><td>1.29</td><td><lor< td=""><td>11.58</td><td>0.24</td><td>0.38</td><td>2.16</td><td>6.43</td></lor<></td></lor<></td></lor<>	0.73	1.36	0.73	<lor< td=""><td>1.29</td><td><lor< td=""><td>11.58</td><td>0.24</td><td>0.38</td><td>2.16</td><td>6.43</td></lor<></td></lor<>	1.29	<lor< td=""><td>11.58</td><td>0.24</td><td>0.38</td><td>2.16</td><td>6.43</td></lor<>	11.58	0.24	0.38	2.16	6.43
	Tai Ho Bay 1	1.53	<lor< td=""><td>0.75</td><td>2.88</td><td>0.50</td><td><lor< td=""><td>1.43</td><td><lor< td=""><td>10.70</td><td>0.26</td><td>0.45</td><td>4.38</td><td>14.31</td></lor<></td></lor<></td></lor<>	0.75	2.88	0.50	<lor< td=""><td>1.43</td><td><lor< td=""><td>10.70</td><td>0.26</td><td>0.45</td><td>4.38</td><td>14.31</td></lor<></td></lor<>	1.43	<lor< td=""><td>10.70</td><td>0.26</td><td>0.45</td><td>4.38</td><td>14.31</td></lor<>	10.70	0.26	0.45	4.38	14.31
	Tai Ho Bay 2	2.16	<lor< td=""><td>0.64</td><td>3.73</td><td>0.59</td><td><lor< td=""><td>1.13</td><td><lor< td=""><td>1.50</td><td>0.36</td><td>0.60</td><td>2.76</td><td>6.24</td></lor<></td></lor<></td></lor<>	0.64	3.73	0.59	<lor< td=""><td>1.13</td><td><lor< td=""><td>1.50</td><td>0.36</td><td>0.60</td><td>2.76</td><td>6.24</td></lor<></td></lor<>	1.13	<lor< td=""><td>1.50</td><td>0.36</td><td>0.60</td><td>2.76</td><td>6.24</td></lor<>	1.50	0.36	0.60	2.76	6.24
February	RFF	1.86	<lor< td=""><td>0.81</td><td>7.02</td><td>0.83</td><td><lor< td=""><td>1.87</td><td><lor< td=""><td>10.08</td><td>0.26</td><td>0.67</td><td>1.93</td><td>7.65</td></lor<></td></lor<></td></lor<>	0.81	7.02	0.83	<lor< td=""><td>1.87</td><td><lor< td=""><td>10.08</td><td>0.26</td><td>0.67</td><td>1.93</td><td>7.65</td></lor<></td></lor<>	1.87	<lor< td=""><td>10.08</td><td>0.26</td><td>0.67</td><td>1.93</td><td>7.65</td></lor<>	10.08	0.26	0.67	1.93	7.65
2015	IPF	2.51	<lor< td=""><td>0.78</td><td>3.34</td><td>0.77</td><td><lor< td=""><td>1.76</td><td><lor< td=""><td>7.65</td><td>0.22</td><td>0.54</td><td>1.75</td><td>98.2</td></lor<></td></lor<></td></lor<>	0.78	3.34	0.77	<lor< td=""><td>1.76</td><td><lor< td=""><td>7.65</td><td>0.22</td><td>0.54</td><td>1.75</td><td>98.2</td></lor<></td></lor<>	1.76	<lor< td=""><td>7.65</td><td>0.22</td><td>0.54</td><td>1.75</td><td>98.2</td></lor<>	7.65	0.22	0.54	1.75	98.2
	INF	1.93	<lor< td=""><td>0.76</td><td>2.39</td><td>0.73</td><td><lor< td=""><td>2.50</td><td><lor< td=""><td>9.94</td><td>0.19</td><td>0.47</td><td>1.69</td><td>5.45</td></lor<></td></lor<></td></lor<>	0.76	2.39	0.73	<lor< td=""><td>2.50</td><td><lor< td=""><td>9.94</td><td>0.19</td><td>0.47</td><td>1.69</td><td>5.45</td></lor<></td></lor<>	2.50	<lor< td=""><td>9.94</td><td>0.19</td><td>0.47</td><td>1.69</td><td>5.45</td></lor<>	9.94	0.19	0.47	1.69	5.45
	Ma Wan	2.04	<lor< td=""><td>0.80</td><td>1.31</td><td>0.63</td><td><lor< td=""><td>3.18</td><td><lor< td=""><td>19.13</td><td>0.19</td><td>0.44</td><td>1.61</td><td>1.61</td></lor<></td></lor<></td></lor<>	0.80	1.31	0.63	<lor< td=""><td>3.18</td><td><lor< td=""><td>19.13</td><td>0.19</td><td>0.44</td><td>1.61</td><td>1.61</td></lor<></td></lor<>	3.18	<lor< td=""><td>19.13</td><td>0.19</td><td>0.44</td><td>1.61</td><td>1.61</td></lor<>	19.13	0.19	0.44	1.61	1.61
	Shum Shui Kok	2.74	<lor< td=""><td>0.99</td><td>8.86</td><td>0.86</td><td><lor< td=""><td>0.88</td><td><lor< td=""><td>9.23</td><td>0.26</td><td>0.61</td><td>3.14</td><td>6.50</td></lor<></td></lor<></td></lor<>	0.99	8.86	0.86	<lor< td=""><td>0.88</td><td><lor< td=""><td>9.23</td><td>0.26</td><td>0.61</td><td>3.14</td><td>6.50</td></lor<></td></lor<>	0.88	<lor< td=""><td>9.23</td><td>0.26</td><td>0.61</td><td>3.14</td><td>6.50</td></lor<>	9.23	0.26	0.61	3.14	6.50
	Tai Mo To	1.90	<lor< td=""><td>0.84</td><td>5.56</td><td>0.95</td><td><lor< td=""><td>1.41</td><td><lor< td=""><td>16.21</td><td>0.23</td><td>0.55</td><td>3.60</td><td>7.84</td></lor<></td></lor<></td></lor<>	0.84	5.56	0.95	<lor< td=""><td>1.41</td><td><lor< td=""><td>16.21</td><td>0.23</td><td>0.55</td><td>3.60</td><td>7.84</td></lor<></td></lor<>	1.41	<lor< td=""><td>16.21</td><td>0.23</td><td>0.55</td><td>3.60</td><td>7.84</td></lor<>	16.21	0.23	0.55	3.60	7.84
	Tai Ho Bay 1	2.69	<lor< td=""><td>0.90</td><td>0.90</td><td>0.84</td><td><lor< td=""><td>1.89</td><td><lor< td=""><td>8.31</td><td>0.19</td><td>0.53</td><td>1.19</td><td>8.75</td></lor<></td></lor<></td></lor<>	0.90	0.90	0.84	<lor< td=""><td>1.89</td><td><lor< td=""><td>8.31</td><td>0.19</td><td>0.53</td><td>1.19</td><td>8.75</td></lor<></td></lor<>	1.89	<lor< td=""><td>8.31</td><td>0.19</td><td>0.53</td><td>1.19</td><td>8.75</td></lor<>	8.31	0.19	0.53	1.19	8.75
	Tai Ho Bay 2	2.14	<lor< td=""><td>0.73</td><td>1.30</td><td>0.80</td><td><lor< td=""><td>1.50</td><td><lor< td=""><td>4.74</td><td>0.16</td><td>0.50</td><td>2.25</td><td>6.74</td></lor<></td></lor<></td></lor<>	0.73	1.30	0.80	<lor< td=""><td>1.50</td><td><lor< td=""><td>4.74</td><td>0.16</td><td>0.50</td><td>2.25</td><td>6.74</td></lor<></td></lor<>	1.50	<lor< td=""><td>4.74</td><td>0.16</td><td>0.50</td><td>2.25</td><td>6.74</td></lor<>	4.74	0.16	0.50	2.25	6.74
	WQO of TIN: 0.5 mg										0,			
	Dry Season WQO of SS : 13.7 mg										7 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 CMP 2 on 2 February 2015

Stations	Temp	Salinity	Turbidity	Dissolved Oxygen		pН	Suspended Solids
	(°C)	(ppt)	(NTU)	(NTU) (%) (mg L <sup>-</sup>		(mg L-1)	(mg L-1)
WCP 1 (Downstream)	17.36	30.58	7.18	94.01	7.50	8.11	7.45
WCP 2 (Upstream)	17.42	30.54	5.03	95.64	7.62	8.09	6.48
WQO (dry season)	N/A	28.13- 34.73#	N/A	N/A	>4	6.5-8.5	13.7

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