

Appendix 3.9 Predicted Dissolved Oxygen and Total Inorganic Concentrations for Scenarios 1 – 7

Table A3.9a: Predicted Dissolved Oxygen Concentrations for Scenario 1

Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Dry Season							
Gazetted Beaches							
Tung Wan, Ma Wan	B1	0.002	5.5	5.50	0.003	5.7	5.70
Approach	B2	0.004	5.5	5.50	0.004	5.7	5.70
Ting Kau	B3	0.001	5.5	5.50	0.002	5.7	5.70
Lido	B4	0.001	5.5	5.50	0.002	5.7	5.70
Casam	B5	0.003	5.5	5.50	0.004	5.7	5.70
Hoi Mei Wan	B6	0.003	5.5	5.50	0.004	5.7	5.70
Gemini	B7	0.003	5.5	5.50	0.004	5.7	5.70
Angler's	B8	0.003	5.5	5.50	0.004	5.7	5.70
Lo So Shing	B9	0.000	6.1	6.10	0.000	6.3	6.30
Hung Shing Yeh	B10	0.000	6.1	6.10	0.000	6.3	6.30
Corals							
Pak Kok	CR1	0.002	5.9	5.90	0.003	6.0	6.00
Shek Kok Tsui	CR2	0.002	5.9	5.90	0.002	6.0	6.00
Luk Chau	CR3	0.001	6.2	6.20	0.001	6.2	6.20
Wong Chuk Kok	CR4	0.001	6.2	6.20	0.001	6.2	6.20
Ap Lei Chau	CR5	0.001	6.2	6.20	0.001	6.2	6.20
Sandy Bay	CR6	0.001	5.9	5.90	0.002	6.0	6.00
Green Island	CR7	0.003	5.9	5.90	0.003	6.0	6.00
Kau Yi Chau	CR8	0.002	6.0	6.00	0.003	6.1	6.10
Kau Yi Chau	CR9	0.002	6.0	6.00	0.002	6.1	6.10
Kau Yi Chau	CR10	0.002	6.0	6.00	0.002	6.1	6.10
Siu Kau Yi Chau	CR11	0.002	6.0	6.00	0.003	6.1	6.10
Siu Kau Yi Chau	CR12	0.002	6.0	6.00	0.003	6.1	6.10
Siu Kau Yi Chau	CR13	0.001	6.0	6.00	0.002	6.1	6.10
Peng Chau	CR14	0.001	6.0	6.00	0.001	6.1	6.10
Peng Chau	CR15	0.000	6.0	6.00	0.000	6.1	6.10
Peng Chau	CR16	0.001	6.0	6.00	0.001	6.1	6.10
Peng Chau	CR17	0.001	6.0	6.00	0.001	6.1	6.10
Peng Chau	CR18	0.000	6.0	6.00	0.000	6.1	6.10
Fish Culture Zone							
Ma Wan	F1	0.002	5.5	5.50	0.003	5.7	5.70
Lo Tik Wan	F2	0.000	6.2	6.20	0.000	6.2	6.20
Sok Kwu Wan	F3	0.000	6.2	6.20	0.000	6.2	6.20
Cheung Sha Wan	F4	0.000	6.0	6.00	0.000	6.1	6.10
Cooling Water Intakes							

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Tsuen Wan	C1	0.004	5.3	5.30	0.005	5.4	5.40
MTRC Tsing Yi Station	C2	0.008	5.3	5.29	0.011	5.4	5.39
MTRC Kowloon Station	C3	0.000	5.0	5.00	0.000	5.0	5.00
China H.K. City	C4	0.000	5.0	5.00	0.000	5.0	5.00
Sha Wan Drive	C5	0.001	5.9	5.90	0.001	6.0	6.00
Queen Mary Hospital	C6	0.001	5.9	5.90	0.002	6.0	6.00
Wah Fu Estate	C7	0.001	5.9	5.90	0.001	6.0	6.00
Kwai Chung Hospital	EMSD1	0.001	5.3	5.30	0.002	5.4	5.40
WSD Flushing Water Intake							
Tsing Yi	WSD1	0.011	5.3	5.29	0.013	5.4	5.39
Kennedy Town	WSD2	0.001	5.0	5.00	0.001	5.0	5.00
Sheung Wan	WSD3	0.000	5.0	5.00	0.000	5.0	5.00
Central Water Front	WSD4	0.000	5.0	5.00	0.000	5.0	5.00
Ap Lei Chau	WSD5	0.001	6.2	6.20	0.001	6.2	6.20
Kowloon South	WSD6	0.000	5.0	5.00	0.000	5.0	5.00
Cheung Sha Wan	WSD7	0.000	5.0	5.00	0.000	5.0	5.00
Tsuen Wan	WSD8	0.004	5.3	5.30	0.005	5.4	5.39
Near Hong Kong Garden	WSD9	0.004	5.5	5.50	0.008	5.7	5.69
Lamma Power Station	WSD10	0.000	6.1	6.10	0.000	6.3	6.30
Kwai Chung Hospital	EMSD1	0.001	5.3	5.30	0.002	5.4	5.40
Wet Season							
Gazetted Beaches							
Tung Wan, Ma Wan	B1	0.001	3.6	3.60	0.001	2.7	2.70
Approach	B2	0.002	3.6	3.60	0.002	2.7	2.70
Ting Kau	B3	0.001	3.6	3.60	0.001	2.7	2.70
Lido	B4	0.003	3.6	3.60	0.005	2.7	2.70
Casam	B5	0.002	3.6	3.60	0.002	2.7	2.70
Hoi Mei Wan	B6	0.001	3.6	3.60	0.002	2.7	2.70
Gemini	B7	0.001	3.6	3.60	0.002	2.7	2.70
Angler's	B8	0.001	3.6	3.60	0.001	2.7	2.70
Lo So Shing	B9	0.000	5.3	5.30	0.000	3.3	3.30
Hung Shing Yeh	B10	0.000	5.3	5.30	0.000	3.3	3.30
Corals							
Pak Kok	CR1	0.001	3.9	3.90	0.001	2.5	2.50
Shek Kok Tsui	CR2	0.001	3.9	3.90	0.001	2.5	2.50
Luk Chau	CR3	0.000	3.7	3.70	0.000	2.7	2.70

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Wong Chuk Kok	CR4	0.000	3.7	3.70	0.000	2.7	2.70
Ap Lei Chau	CR5	0.000	3.7	3.70	0.000	2.7	2.70
Sandy Bay	CR6	0.001	3.9	3.90	0.001	2.5	2.50
Green Island	CR7	0.001	3.9	3.90	0.001	2.5	2.50
Kau Yi Chau	CR8	0.004	4.4	4.40	0.008	4.1	4.09
Kau Yi Chau	CR9	0.008	4.4	4.39	0.015	4.1	4.08
Kau Yi Chau	CR10	0.005	4.4	4.40	0.009	4.1	4.09
Siu Kau Yi Chau	CR11	0.006	4.4	4.39	0.015	4.1	4.08
Siu Kau Yi Chau	CR12	0.006	4.4	4.39	0.017	4.1	4.08
Siu Kau Yi Chau	CR13	0.004	4.4	4.40	0.006	4.1	4.09
Peng Chau	CR14	0.002	4.4	4.40	0.003	4.1	4.10
Peng Chau	CR15	0.000	4.4	4.40	0.001	4.1	4.10
Peng Chau	CR16	0.002	4.4	4.40	0.003	4.1	4.10
Peng Chau	CR17	0.003	4.4	4.40	0.004	4.1	4.10
Peng Chau	CR18	0.001	4.4	4.40	0.001	4.1	4.10
Fish Culture Zone							
Ma Wan	F1	0.001	3.6	3.60	0.002	2.7	2.70
Lo Tik Wan	F2	0.000	3.7	3.70	0.000	2.7	2.70
Sok Kwu Wan	F3	0.000	3.7	3.70	0.000	2.7	2.70
Cheung Sha Wan	F4	0.000	4.4	4.40	0.000	4.1	4.10
Cooling Water Intakes							
Tsuen Wan	C1	0.005	3.9	3.89	0.008	3.3	3.29
MTRC Tsing Yi Station	C2	0.013	3.9	3.89	0.014	3.3	3.29
MTRC Kowloon Station	C3	0.000	3.6	3.60	0.000	2.6	2.60
China H.K. City	C4	0.000	3.6	3.60	0.000	2.6	2.60
Sha Wan Drive	C5	0.001	3.9	3.90	0.001	2.5	2.50
Queen Mary Hospital	C6	0.001	3.9	3.90	0.001	2.5	2.50
Wah Fu Estate	C7	0.000	3.9	3.90	0.000	2.5	2.50
Kwai Chung Hospital	EMSD1	0.003	3.9	3.90	0.003	3.3	3.30
WSD Flushing Water Intake							
Tsing Yi	WSD1	0.017	3.9	3.88	0.019	3.3	3.28
Kennedy Town	WSD2	0.001	3.6	3.60	0.001	2.6	2.60
Sheung Wan	WSD3	0.001	3.6	3.60	0.001	2.6	2.60
Central Water Front	WSD4	0.000	3.6	3.60	0.000	2.6	2.60
Ap Lei Chau	WSD5	0.000	3.7	3.70	0.000	2.7	2.70
Kowloon South	WSD6	0.000	3.6	3.60	0.000	2.6	2.60
Cheung Sha Wan	WSD7	0.000	3.6	3.60	0.000	2.6	2.60
Tsuen Wan	WSD8	0.005	3.9	3.90	0.006	3.3	3.29

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Near Hong Kong Garden	WSD9	0.001	3.6	3.60	0.001	2.7	2.70
Lamma Power Station	WSD10	0.000	5.3	5.30	0.000	3.3	3.30
Kwai Chung Hospital	EMSD1	0.003	3.9	3.90	0.003	3.3	3.30

- Value in **Bold** indicates exceedance of relevant criteria (i.e. Depth-averaged DO not less than 4.0 mgL⁻¹ (Not less than 5.0 mgL⁻¹ for fish culture subzones) and DO (bottom) not less than 2.0 mgL⁻¹).
- DO concentrations include the ambient levels plus predicted DO depletions.
- Please refer to Table 3.11 of the EIA Report for the relevant background values.

Table A3.9b: Predicted Total Inorganic Nitrogen Concentrations for Scenario 1

Sensitive Receivers	Assessment Point	Maximum TIN concentration (mgL ⁻¹)	
		Dry Season	Wet Season
Gazetted Beaches			
Tung Wan, Ma Wan	B1	0.2902	0.3701
Approach	B2	0.2903	0.3701
Ting Kau	B3	0.2901	0.3701
Lido	B4	0.2901	0.3702
Casam	B5	0.2902	0.3701
Hoi Mei Wan	B6	0.2903	0.3701
Gemini	B7	0.2902	0.3701
Angler's	B8	0.2902	0.3701
Lo So Shing	B9	0.1100	0.3300
Hung Shing Yeh	B10	0.1100	0.3300
Corals			
Pak Kok	CR1	0.1702	0.2201
Shek Kok Tsui	CR2	0.1702	0.2201
Luk Chau	CR3	0.1401	0.2100
Wong Chuk Kok	CR4	0.1401	0.2100
Ap Lei Chau	CR5	0.1401	0.2100
Sandy Bay	CR6	0.1701	0.2201
Green Island	CR7	0.1702	0.2201
Kau Yi Chau	CR8	0.2502	0.5003
Kau Yi Chau	CR9	0.2502	0.5007
Kau Yi Chau	CR10	0.2501	0.5004
Siu Kau Yi Chau	CR11	0.2501	0.5005
Siu Kau Yi Chau	CR12	0.2501	0.5005
Siu Kau Yi Chau	CR13	0.2501	0.5003
Peng Chau	CR14	0.2501	0.5002

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Maximum TIN concentration (mgL ⁻¹)	
		Dry Season	Wet Season
Peng Chau	CR15	0.2500	0.5000
Peng Chau	CR16	0.2501	0.5002
Peng Chau	CR17	0.2501	0.5002
Peng Chau	CR18	0.2500	0.5001
Fish Culture Zone			
Ma Wan	F1	0.2902	0.3701
Lo Tik Wan	F2	0.1400	0.2100
Sok Kwu Wan	F3	0.1400	0.2100
Cheung Sha Wan	F4	0.2500	0.5000
Cooling Water Intakes			
Tsuen Wan	C1	0.3503	0.5304
MTRC Tsing Yi Station	C2	0.3507	0.5311
MTRC Kowloon Station	C3	0.3200	0.4400
China H.K. City	C4	0.3200	0.4400
Sha Wan Drive	C5	0.1701	0.2201
Queen Mary Hospital	C6	0.1701	0.2201
Wah Fu Estate	C7	0.1701	0.2200
Kwai Chung Hospital	EMSD1	0.3501	0.5302
WSD Flushing Water Intake			
Tsing Yi	WSD1	0.3509	0.5315
Kennedy Town	WSD2	0.3201	0.4401
Sheung Wan	WSD3	0.3200	0.4400
Central Water Front	WSD4	0.3200	0.4400
Ap Lei Chau	WSD5	0.1400	0.2100
Kowloon South	WSD6	0.3200	0.4400
Cheung Sha Wan	WSD7	0.3200	0.4400
Tsuen Wan	WSD8	0.3504	0.5304
Near Hong Kong Garden	WSD9	0.2904	0.3701
Lamma Power Station	WSD10	0.1100	0.3300
Kwai Chung Hospital	EMSD1	0.3501	0.5302

- Value in **Bold** indicates exceedance of relevant criteria (i.e. total inorganic nitrogen not to exceed 0.4 mgL⁻¹ in Victoria Harbour WCZ & Western Buffer WCZ and not to exceed 0.1 mgL⁻¹ in Southern WCZ).
- TIN concentrations include the ambient levels plus predicted TIN elevations.
- Please refer to Table 3.11 of the EIA Report for the relevant background values.

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Table A3.9c: Predicted Dissolved Oxygen Concentrations for Scenario 2

Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Dry Season							
Gazetted Beaches							
Tung Wan, Ma Wan	B1	0.002	5.5	5.50	0.002	5.7	5.70
Approach	B2	0.004	5.5	5.50	0.004	5.7	5.70
Ting Kau	B3	0.001	5.5	5.50	0.002	5.7	5.70
Lido	B4	0.001	5.5	5.50	0.002	5.7	5.70
Casam	B5	0.003	5.5	5.50	0.004	5.7	5.70
Hoi Mei Wan	B6	0.003	5.5	5.50	0.004	5.7	5.70
Gemini	B7	0.003	5.5	5.50	0.004	5.7	5.70
Angler's	B8	0.003	5.5	5.50	0.003	5.7	5.70
Lo So Shing	B9	0.000	6.1	6.10	0.000	6.3	6.30
Hung Shing Yeh	B10	0.000	6.1	6.10	0.000	6.3	6.30
Corals							
Pak Kok	CR1	0.002	5.9	5.90	0.002	6.0	6.00
Shek Kok Tsui	CR2	0.001	5.9	5.90	0.002	6.0	6.00
Luk Chau	CR3	0.001	6.2	6.20	0.001	6.2	6.20
Wong Chuk Kok	CR4	0.001	6.2	6.20	0.002	6.2	6.20
Ap Lei Chau	CR5	0.002	6.2	6.20	0.002	6.2	6.20
Sandy Bay	CR6	0.002	5.9	5.90	0.004	6.0	6.00
Green Island	CR7	0.003	5.9	5.90	0.003	6.0	6.00
Kau Yi Chau	CR8	0.002	6.0	6.00	0.002	6.1	6.10
Kau Yi Chau	CR9	0.002	6.0	6.00	0.002	6.1	6.10
Kau Yi Chau	CR10	0.001	6.0	6.00	0.001	6.1	6.10
Siu Kau Yi Chau	CR11	0.002	6.0	6.00	0.002	6.1	6.10
Siu Kau Yi Chau	CR12	0.002	6.0	6.00	0.003	6.1	6.10
Siu Kau Yi Chau	CR13	0.001	6.0	6.00	0.001	6.1	6.10
Peng Chau	CR14	0.001	6.0	6.00	0.001	6.1	6.10
Peng Chau	CR15	0.000	6.0	6.00	0.000	6.1	6.10
Peng Chau	CR16	0.001	6.0	6.00	0.001	6.1	6.10
Peng Chau	CR17	0.001	6.0	6.00	0.001	6.1	6.10
Peng Chau	CR18	0.000	6.0	6.00	0.000	6.1	6.10
Fish Culture Zone							
Ma Wan	F1	0.002	5.5	5.50	0.002	5.7	5.70
Lo Tik Wan	F2	0.000	6.2	6.20	0.000	6.2	6.20
Sok Kwu Wan	F3	0.000	6.2	6.20	0.000	6.2	6.20
Cheung Sha Wan	F4	0.000	6.0	6.00	0.000	6.1	6.10
Cooling Water Intakes							
Tsuen Wan	C1	0.004	5.3	5.30	0.005	5.4	5.40
MTRC Tsing Yi Station	C2	0.008	5.3	5.29	0.011	5.4	5.39

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
MTRC Kowloon Station	C3	0.000	5.0	5.00	0.000	5.0	5.00
China H.K. City	C4	0.000	5.0	5.00	0.000	5.0	5.00
Sha Wan Drive	C5	0.002	5.9	5.90	0.003	6.0	6.00
Queen Mary Hospital	C6	0.002	5.9	5.90	0.003	6.0	6.00
Wah Fu Estate	C7	0.001	5.9	5.90	0.001	6.0	6.00
Kwai Chung Hospital	EMSD1	0.001	5.3	5.30	0.002	5.4	5.40
WSD Flushing Water Intake							
Tsing Yi	WSD1	0.011	5.3	5.29	0.013	5.4	5.39
Kennedy Town	WSD2	0.001	5.0	5.00	0.002	5.0	5.00
Sheung Wan	WSD3	0.000	5.0	5.00	0.000	5.0	5.00
Central Water Front	WSD4	0.000	5.0	5.00	0.000	5.0	5.00
Ap Lei Chau	WSD5	0.001	6.2	6.20	0.001	6.2	6.20
Kowloon South	WSD6	0.000	5.0	5.00	0.000	5.0	5.00
Cheung Sha Wan	WSD7	0.000	5.0	5.00	0.000	5.0	5.00
Tsuen Wan	WSD8	0.004	5.3	5.30	0.005	5.4	5.39
Near Hong Kong Garden	WSD9	0.004	5.5	5.50	0.008	5.7	5.69
Lamma Power Station	WSD10	0.000	6.1	6.10	0.000	6.3	6.30
Kwai Chung Hospital	EMSD1	0.001	5.3	5.30	0.002	5.4	5.40
Wet Season							
Gazetted Beaches							
Tung Wan, Ma Wan	B1	0.001	3.6	3.60	0.001	2.7	2.70
Approach	B2	0.002	3.6	3.60	0.002	2.7	2.70
Ting Kau	B3	0.001	3.6	3.60	0.001	2.7	2.70
Lido	B4	0.003	3.6	3.60	0.005	2.7	2.70
Casam	B5	0.002	3.6	3.60	0.002	2.7	2.70
Hoi Mei Wan	B6	0.001	3.6	3.60	0.002	2.7	2.70
Gemini	B7	0.001	3.6	3.60	0.002	2.7	2.70
Angler's	B8	0.001	3.6	3.60	0.002	2.7	2.70
Lo So Shing	B9	0.000	5.3	5.30	0.000	3.3	3.30
Hung Shing Yeh	B10	0.000	5.3	5.30	0.000	3.3	3.30
Corals							
Pak Kok	CR1	0.001	3.9	3.90	0.001	2.5	2.50
Shek Kok Tsui	CR2	0.001	3.9	3.90	0.002	2.5	2.50
Luk Chau	CR3	0.000	3.7	3.70	0.000	2.7	2.70
Wong Chuk Kok	CR4	0.000	3.7	3.70	0.000	2.7	2.70
Ap Lei Chau	CR5	0.000	3.7	3.70	0.000	2.7	2.70
Sandy Bay	CR6	0.001	3.9	3.90	0.001	2.5	2.50

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 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Green Island	CR7	0.001	3.9	3.90	0.002	2.5	2.50
Kau Yi Chau	CR8	0.003	4.4	4.40	0.008	4.1	4.09
Kau Yi Chau	CR9	0.008	4.4	4.39	0.014	4.1	4.09
Kau Yi Chau	CR10	0.004	4.4	4.40	0.009	4.1	4.09
Siu Kau Yi Chau	CR11	0.006	4.4	4.39	0.015	4.1	4.08
Siu Kau Yi Chau	CR12	0.006	4.4	4.39	0.016	4.1	4.08
Siu Kau Yi Chau	CR13	0.004	4.4	4.40	0.006	4.1	4.09
Peng Chau	CR14	0.002	4.4	4.40	0.003	4.1	4.10
Peng Chau	CR15	0.000	4.4	4.40	0.001	4.1	4.10
Peng Chau	CR16	0.002	4.4	4.40	0.003	4.1	4.10
Peng Chau	CR17	0.003	4.4	4.40	0.004	4.1	4.10
Peng Chau	CR18	0.001	4.4	4.40	0.001	4.1	4.10
Fish Culture Zone							
Ma Wan	F1	0.001	3.6	3.60	0.002	2.7	2.70
Lo Tik Wan	F2	0.000	3.7	3.70	0.000	2.7	2.70
Sok Kwu Wan	F3	0.000	3.7	3.70	0.000	2.7	2.70
Cheung Sha Wan	F4	0.000	4.4	4.40	0.000	4.1	4.10
Cooling Water Intakes							
Tsuen Wan	C1	0.005	3.9	3.89	0.008	3.3	3.29
MTRC Tsing Yi Station	C2	0.013	3.9	3.89	0.014	3.3	3.29
MTRC Kowloon Station	C3	0.000	3.6	3.60	0.000	2.6	2.60
China H.K. City	C4	0.000	3.6	3.60	0.000	2.6	2.60
Sha Wan Drive	C5	0.001	3.9	3.90	0.001	2.5	2.50
Queen Mary Hospital	C6	0.001	3.9	3.90	0.001	2.5	2.50
Wah Fu Estate	C7	0.000	3.9	3.90	0.000	2.5	2.50
Kwai Chung Hospital	EMSD1	0.003	3.9	3.90	0.003	3.3	3.30
WSD Flushing Water Intake							
Tsing Yi	WSD1	0.017	3.9	3.88	0.019	3.3	3.28
Kennedy Town	WSD2	0.001	3.6	3.60	0.001	2.6	2.60
Sheung Wan	WSD3	0.001	3.6	3.60	0.001	2.6	2.60
Central Water Front	WSD4	0.000	3.6	3.60	0.000	2.6	2.60
Ap Lei Chau	WSD5	0.000	3.7	3.70	0.000	2.7	2.70
Kowloon South	WSD6	0.000	3.6	3.60	0.000	2.6	2.60
Cheung Sha Wan	WSD7	0.000	3.6	3.60	0.000	2.6	2.60
Tsuen Wan	WSD8	0.005	3.9	3.90	0.006	3.3	3.29
Near Hong Kong Garden	WSD9	0.001	3.6	3.60	0.001	2.7	2.70
Lamma Power Station	WSD10	0.000	5.3	5.30	0.000	3.3	3.30

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Kwai Chung Hospital	EMSD1	0.003	3.9	3.90	0.003	3.3	3.30

- Value in **Bold** indicates exceedance of relevant criteria (i.e. Depth-averaged DO not less than 4.0 mgL⁻¹ (Not less than 5.0 mgL⁻¹ for fish culture subzones) and DO (bottom) not less than 2.0 mgL⁻¹).
- DO concentrations include the ambient levels plus predicted DO depletions.
- Please refer to Table 3.11 of the EIA Report for the relevant background values.

Table A3.9d: Predicted Total Inorganic Nitrogen Concentrations for Scenario 2

Sensitive Receivers	Assessment Point	Maximum TIN concentration (mgL ⁻¹)	
		Dry Season	Wet Season
Gazetted Beaches			
Tung Wan, Ma Wan	B1	0.2901	0.3700
Approach	B2	0.2903	0.3701
Ting Kau	B3	0.2901	0.3701
Lido	B4	0.2901	0.3702
Casam	B5	0.2902	0.3701
Hoi Mei Wan	B6	0.2902	0.3701
Gemini	B7	0.2902	0.3701
Angler's	B8	0.2902	0.3701
Lo So Shing	B9	0.1100	0.3300
Hung Shing Yeh	B10	0.1100	0.3300
Corals			
Pak Kok	CR1	0.1701	0.2201
Shek Kok Tsui	CR2	0.1701	0.2201
Luk Chau	CR3	0.1401	0.2100
Wong Chuk Kok	CR4	0.1401	0.2100
Ap Lei Chau	CR5	0.1401	0.2100
Sandy Bay	CR6	0.1702	0.2201
Green Island	CR7	0.1702	0.2201
Kau Yi Chau	CR8	0.2501	0.5003
Kau Yi Chau	CR9	0.2501	0.5007
Kau Yi Chau	CR10	0.2501	0.5004
Siu Kau Yi Chau	CR11	0.2501	0.5005
Siu Kau Yi Chau	CR12	0.2501	0.5005
Siu Kau Yi Chau	CR13	0.2501	0.5003
Peng Chau	CR14	0.2501	0.5002
Peng Chau	CR15	0.2500	0.5000
Peng Chau	CR16	0.2501	0.5002
Peng Chau	CR17	0.2501	0.5002
Peng Chau	CR18	0.2500	0.5001

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Maximum TIN concentration (mgL ⁻¹)	
		Dry Season	Wet Season
Fish Culture Zone			
Ma Wan	F1	0.2902	0.3701
Lo Tik Wan	F2	0.1400	0.2100
Sok Kwu Wan	F3	0.1400	0.2100
Cheung Sha Wan	F4	0.2500	0.5000
Cooling Water Intakes			
Tsuen Wan	C1	0.3503	0.5304
MTRC Tsing Yi Station	C2	0.3507	0.5311
MTRC Kowloon Station	C3	0.3200	0.4400
China H.K. City	C4	0.3200	0.4400
Sha Wan Drive	C5	0.1702	0.2201
Queen Mary Hospital	C6	0.1701	0.2201
Wah Fu Estate	C7	0.1701	0.2200
Kwai Chung Hospital	EMSD1	0.3501	0.5302
WSD Flushing Water Intake			
Tsing Yi	WSD1	0.3509	0.5315
Kennedy Town	WSD2	0.3201	0.4401
Sheung Wan	WSD3	0.3200	0.4401
Central Water Front	WSD4	0.3200	0.4400
Ap Lei Chau	WSD5	0.1401	0.2100
Kowloon South	WSD6	0.3200	0.4400
Cheung Sha Wan	WSD7	0.3200	0.4400
Tsuen Wan	WSD8	0.3504	0.5304
Near Hong Kong Garden	WSD9	0.2904	0.3701
Lamma Power Station	WSD10	0.1100	0.3300
Kwai Chung Hospital	EMSD1	0.3501	0.5302

- Value in **Bold** indicates exceedance of relevant criteria (i.e. total inorganic nitrogen not to exceed 0.4 mgL⁻¹ in Victoria Harbour WCZ & Western Buffer WCZ and not to exceed 0.1 mgL⁻¹ in Southern WCZ).
- TIN concentrations include the ambient levels plus predicted TIN elevations.
- Please refer to Table 3.11 of the EIA Report for the relevant background values.

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Table A3.9e: Predicted Dissolved Oxygen Concentrations for Scenario 3

Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Dry Season							
Gazetted Beaches							
Tung Wan, Ma Wan	B1	0.003	5.5	5.50	0.004	5.7	5.70
Approach	B2	0.003	5.5	5.50	0.004	5.7	5.70
Ting Kau	B3	0.001	5.5	5.50	0.002	5.7	5.70
Lido	B4	0.001	5.5	5.50	0.002	5.7	5.70
Casam	B5	0.004	5.5	5.50	0.006	5.7	5.69
Hoi Mei Wan	B6	0.004	5.5	5.50	0.005	5.7	5.69
Gemini	B7	0.004	5.5	5.50	0.005	5.7	5.69
Angler's	B8	0.004	5.5	5.50	0.005	5.7	5.70
Lo So Shing	B9	0.000	6.1	6.10	0.000	6.3	6.30
Hung Shing Yeh	B10	0.000	6.1	6.10	0.000	6.3	6.30
Corals							
Pak Kok	CR1	0.003	5.9	5.90	0.004	6.0	6.00
Shek Kok Tsui	CR2	0.003	5.9	5.90	0.003	6.0	6.00
Luk Chau	CR3	0.002	6.2	6.20	0.002	6.2	6.20
Wong Chuk Kok	CR4	0.002	6.2	6.20	0.002	6.2	6.20
Ap Lei Chau	CR5	0.002	6.2	6.20	0.002	6.2	6.20
Sandy Bay	CR6	0.002	5.9	5.90	0.004	6.0	6.00
Green Island	CR7	0.003	5.9	5.90	0.003	6.0	6.00
Kau Yi Chau	CR8	0.002	6.0	6.00	0.003	6.1	6.10
Kau Yi Chau	CR9	0.002	6.0	6.00	0.003	6.1	6.10
Kau Yi Chau	CR10	0.002	6.0	6.00	0.002	6.1	6.10
Siu Kau Yi Chau	CR11	0.002	6.0	6.00	0.003	6.1	6.10
Siu Kau Yi Chau	CR12	0.002	6.0	6.00	0.004	6.1	6.10
Siu Kau Yi Chau	CR13	0.002	6.0	6.00	0.002	6.1	6.10
Peng Chau	CR14	0.001	6.0	6.00	0.002	6.1	6.10
Peng Chau	CR15	0.000	6.0	6.00	0.000	6.1	6.10
Peng Chau	CR16	0.001	6.0	6.00	0.002	6.1	6.10
Peng Chau	CR17	0.001	6.0	6.00	0.001	6.1	6.10
Peng Chau	CR18	0.000	6.0	6.00	0.000	6.1	6.10
Fish Culture Zone							
Ma Wan	F1	0.003	5.5	5.50	0.004	5.7	5.70
Lo Tik Wan	F2	0.001	6.2	6.20	0.001	6.2	6.20
Sok Kwu Wan	F3	0.000	6.2	6.20	0.000	6.2	6.20
Cheung Sha Wan	F4	0.000	6.0	6.00	0.000	6.1	6.10
Cooling Water Intakes							
Tsuen Wan	C1	0.001	5.3	5.30	0.002	5.4	5.40
MTRC Tsing Yi Station	C2	0.002	5.3	5.30	0.002	5.4	5.40

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
MTRC Kowloon Station	C3	0.000	5.0	5.00	0.000	5.0	5.00
China H.K. City	C4	0.000	5.0	5.00	0.000	5.0	5.00
Sha Wan Drive	C5	0.002	5.9	5.90	0.003	6.0	6.00
Queen Mary Hospital	C6	0.002	5.9	5.90	0.003	6.0	6.00
Wah Fu Estate	C7	0.001	5.9	5.90	0.001	6.0	6.00
Kwai Chung Hospital	EMSD1	0.000	5.3	5.30	0.000	5.4	5.40
WSD Flushing Water Intake							
Tsing Yi	WSD1	0.002	5.3	5.30	0.002	5.4	5.40
Kennedy Town	WSD2	0.002	5.0	5.00	0.002	5.0	5.00
Sheung Wan	WSD3	0.000	5.0	5.00	0.000	5.0	5.00
Central Water Front	WSD4	0.000	5.0	5.00	0.000	5.0	5.00
Ap Lei Chau	WSD5	0.001	6.2	6.20	0.001	6.2	6.20
Kowloon South	WSD6	0.000	5.0	5.00	0.000	5.0	5.00
Cheung Sha Wan	WSD7	0.000	5.0	5.00	0.000	5.0	5.00
Tsuen Wan	WSD8	0.001	5.3	5.30	0.001	5.4	5.40
Near Hong Kong Garden	WSD9	0.005	5.5	5.49	0.010	5.7	5.69
Lamma Power Station	WSD10	0.000	6.1	6.10	0.000	6.3	6.30
Kwai Chung Hospital	EMSD1	0.000	5.3	5.30	0.000	5.4	5.40
Wet Season							
Gazetted Beaches							
Tung Wan, Ma Wan	B1	0.001	3.6	3.60	0.001	2.7	2.70
Approach	B2	0.002	3.6	3.60	0.002	2.7	2.70
Ting Kau	B3	0.001	3.6	3.60	0.001	2.7	2.70
Lido	B4	0.003	3.6	3.60	0.005	2.7	2.69
Casam	B5	0.002	3.6	3.60	0.002	2.7	2.70
Hoi Mei Wan	B6	0.002	3.6	3.60	0.002	2.7	2.70
Gemini	B7	0.001	3.6	3.60	0.002	2.7	2.70
Angler's	B8	0.001	3.6	3.60	0.002	2.7	2.70
Lo So Shing	B9	0.000	5.3	5.30	0.000	3.3	3.30
Hung Shing Yeh	B10	0.000	5.3	5.30	0.000	3.3	3.30
Corals							
Pak Kok	CR1	0.001	3.9	3.90	0.001	2.5	2.50
Shek Kok Tsui	CR2	0.001	3.9	3.90	0.002	2.5	2.50
Luk Chau	CR3	0.000	3.7	3.70	0.000	2.7	2.70
Wong Chuk Kok	CR4	0.000	3.7	3.70	0.000	2.7	2.70
Ap Lei Chau	CR5	0.000	3.7	3.70	0.000	2.7	2.70
Sandy Bay	CR6	0.001	3.9	3.90	0.001	2.5	2.50

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Green Island	CR7	0.001	3.9	3.90	0.002	2.5	2.50
Kau Yi Chau	CR8	0.005	4.4	4.40	0.011	4.1	4.09
Kau Yi Chau	CR9	0.011	4.4	4.39	0.019	4.1	4.08
Kau Yi Chau	CR10	0.005	4.4	4.39	0.010	4.1	4.09
Siu Kau Yi Chau	CR11	0.008	4.4	4.39	0.020	4.1	4.08
Siu Kau Yi Chau	CR12	0.007	4.4	4.39	0.021	4.1	4.08
Siu Kau Yi Chau	CR13	0.005	4.4	4.40	0.007	4.1	4.09
Peng Chau	CR14	0.002	4.4	4.40	0.003	4.1	4.10
Peng Chau	CR15	0.000	4.4	4.40	0.001	4.1	4.10
Peng Chau	CR16	0.003	4.4	4.40	0.004	4.1	4.10
Peng Chau	CR17	0.004	4.4	4.40	0.006	4.1	4.09
Peng Chau	CR18	0.001	4.4	4.40	0.002	4.1	4.10
Fish Culture Zone							
Ma Wan	F1	0.002	3.6	3.60	0.003	2.7	2.70
Lo Tik Wan	F2	0.000	3.7	3.70	0.001	2.7	2.70
Sok Kwu Wan	F3	0.000	3.7	3.70	0.000	2.7	2.70
Cheung Sha Wan	F4	0.000	4.4	4.40	0.000	4.1	4.10
Cooling Water Intakes							
Tsuen Wan	C1	0.002	3.9	3.90	0.002	3.3	3.30
MTRC Tsing Yi Station	C2	0.001	3.9	3.90	0.002	3.3	3.30
MTRC Kowloon Station	C3	0.000	3.6	3.60	0.000	2.6	2.60
China H.K. City	C4	0.000	3.6	3.60	0.000	2.6	2.60
Sha Wan Drive	C5	0.001	3.9	3.90	0.002	2.5	2.50
Queen Mary Hospital	C6	0.001	3.9	3.90	0.001	2.5	2.50
Wah Fu Estate	C7	0.000	3.9	3.90	0.000	2.5	2.50
Kwai Chung Hospital	EMSD1	0.000	3.9	3.90	0.001	3.3	3.30
WSD Flushing Water Intake							
Tsing Yi	WSD1	0.001	3.9	3.90	0.002	3.3	3.30
Kennedy Town	WSD2	0.001	3.6	3.60	0.001	2.6	2.60
Sheung Wan	WSD3	0.001	3.6	3.60	0.001	2.6	2.60
Central Water Front	WSD4	0.000	3.6	3.60	0.000	2.6	2.60
Ap Lei Chau	WSD5	0.000	3.7	3.70	0.000	2.7	2.70
Kowloon South	WSD6	0.000	3.6	3.60	0.000	2.6	2.60
Cheung Sha Wan	WSD7	0.000	3.6	3.60	0.000	2.6	2.60
Tsuen Wan	WSD8	0.002	3.9	3.90	0.002	3.3	3.30
Near Hong Kong Garden	WSD9	0.001	3.6	3.60	0.002	2.7	2.70
Lamma Power Station	WSD10	0.000	5.3	5.30	0.000	3.3	3.30

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Kwai Chung Hospital	EMSD1	0.000	3.9	3.90	0.001	3.3	3.30

- Value in **Bold** indicates exceedance of relevant criteria (i.e. Depth-averaged DO not less than 4.0 mgL⁻¹ (Not less than 5.0 mgL⁻¹ for fish culture subzones) and DO (bottom) not less than 2.0 mgL⁻¹).
- DO concentrations include the ambient levels plus predicted DO depletions.
- Please refer to Table 3.11 of the EIA Report for the relevant background values.

Table A3.9f: Predicted Total Inorganic Nitrogen Concentrations for Scenario 3

Sensitive Receivers	Assessment Point	Maximum TIN concentration (mgL ⁻¹)	
		Dry Season	Wet Season
Gazetted Beaches			
Tung Wan, Ma Wan	B1	0.2902	0.3701
Approach	B2	0.2902	0.3701
Ting Kau	B3	0.2901	0.3701
Lido	B4	0.2901	0.3703
Casam	B5	0.2903	0.3702
Hoi Mei Wan	B6	0.2903	0.3701
Gemini	B7	0.2903	0.3701
Angler's	B8	0.2903	0.3701
Lo So Shing	B9	0.1100	0.3300
Hung Shing Yeh	B10	0.1100	0.3300
Corals			
Pak Kok	CR1	0.1703	0.2201
Shek Kok Tsui	CR2	0.1702	0.2201
Luk Chau	CR3	0.1402	0.2100
Wong Chuk Kok	CR4	0.1402	0.2100
Ap Lei Chau	CR5	0.1402	0.2100
Sandy Bay	CR6	0.1702	0.2201
Green Island	CR7	0.1703	0.2201
Kau Yi Chau	CR8	0.2502	0.5004
Kau Yi Chau	CR9	0.2502	0.5009
Kau Yi Chau	CR10	0.2502	0.5004
Siu Kau Yi Chau	CR11	0.2502	0.5007
Siu Kau Yi Chau	CR12	0.2502	0.5006
Siu Kau Yi Chau	CR13	0.2502	0.5004
Peng Chau	CR14	0.2501	0.5002
Peng Chau	CR15	0.2500	0.5000
Peng Chau	CR16	0.2501	0.5002
Peng Chau	CR17	0.2501	0.5003
Peng Chau	CR18	0.2500	0.5001

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Maximum TIN concentration (mgL ⁻¹)	
		Dry Season	Wet Season
Fish Culture Zone			
Ma Wan	F1	0.2903	0.3702
Lo Tik Wan	F2	0.1400	0.2100
Sok Kwu Wan	F3	0.1400	0.2100
Cheung Sha Wan	F4	0.2500	0.5000
Cooling Water Intakes			
Tsuen Wan	C1	0.3501	0.5301
MTRC Tsing Yi Station	C2	0.3502	0.5301
MTRC Kowloon Station	C3	0.3200	0.4400
China H.K. City	C4	0.3200	0.4400
Sha Wan Drive	C5	0.1702	0.2201
Queen Mary Hospital	C6	0.1701	0.2201
Wah Fu Estate	C7	0.1701	0.2200
Kwai Chung Hospital	EMSD1	0.3500	0.5300
WSD Flushing Water Intake			
Tsing Yi	WSD1	0.3502	0.5301
Kennedy Town	WSD2	0.3201	0.4401
Sheung Wan	WSD3	0.3200	0.4400
Central Water Front	WSD4	0.3200	0.4400
Ap Lei Chau	WSD5	0.1401	0.2100
Kowloon South	WSD6	0.3200	0.4400
Cheung Sha Wan	WSD7	0.3200	0.4400
Tsuen Wan	WSD8	0.3501	0.5302
Near Hong Kong Garden	WSD9	0.2904	0.3701
Lamma Power Station	WSD10	0.1100	0.3300
Kwai Chung Hospital	EMSD1	0.3500	0.5300

- Value in **Bold** indicates exceedance of relevant criteria (i.e. total inorganic nitrogen not to exceed 0.4 mgL⁻¹ in Victoria Harbour WCZ & Western Buffer WCZ and not to exceed 0.1 mgL⁻¹ in Southern WCZ).
- TIN concentrations include the ambient levels plus predicted TIN elevations.
- Please refer to Table 3.11 of the EIA Report for the relevant background values.

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Table A3.9g: Predicted Dissolved Oxygen Concentrations for Scenario 4

Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Dry Season							
Gazetted Beaches							
Tung Wan, Ma Wan	B1	0.001	5.5	5.50	0.002	5.7	5.70
Approach	B2	0.004	5.5	5.50	0.004	5.7	5.70
Ting Kau	B3	0.001	5.5	5.50	0.002	5.7	5.70
Lido	B4	0.001	5.5	5.50	0.001	5.7	5.70
Casam	B5	0.002	5.5	5.50	0.003	5.7	5.70
Hoi Mei Wan	B6	0.002	5.5	5.50	0.002	5.7	5.70
Gemini	B7	0.002	5.5	5.50	0.002	5.7	5.70
Angler's	B8	0.002	5.5	5.50	0.002	5.7	5.70
Lo So Shing	B9	0.000	6.1	6.10	0.000	6.3	6.30
Hung Shing Yeh	B10	0.000	6.1	6.10	0.000	6.3	6.30
Corals							
Pak Kok	CR1	0.002	5.9	5.90	0.002	6.0	6.00
Shek Kok Tsui	CR2	0.002	5.9	5.90	0.002	6.0	6.00
Luk Chau	CR3	0.001	6.2	6.20	0.001	6.2	6.20
Wong Chuk Kok	CR4	0.001	6.2	6.20	0.001	6.2	6.20
Ap Lei Chau	CR5	0.000	6.2	6.20	0.001	6.2	6.20
Sandy Bay	CR6	0.001	5.9	5.90	0.001	6.0	6.00
Green Island	CR7	0.001	5.9	5.90	0.001	6.0	6.00
Kau Yi Chau	CR8	0.002	6.0	6.00	0.002	6.1	6.10
Kau Yi Chau	CR9	0.001	6.0	6.00	0.002	6.1	6.10
Kau Yi Chau	CR10	0.001	6.0	6.00	0.001	6.1	6.10
Siu Kau Yi Chau	CR11	0.001	6.0	6.00	0.002	6.1	6.10
Siu Kau Yi Chau	CR12	0.001	6.0	6.00	0.003	6.1	6.10
Siu Kau Yi Chau	CR13	0.001	6.0	6.00	0.001	6.1	6.10
Peng Chau	CR14	0.001	6.0	6.00	0.001	6.1	6.10
Peng Chau	CR15	0.000	6.0	6.00	0.000	6.1	6.10
Peng Chau	CR16	0.001	6.0	6.00	0.001	6.1	6.10
Peng Chau	CR17	0.001	6.0	6.00	0.001	6.1	6.10
Peng Chau	CR18	0.000	6.0	6.00	0.000	6.1	6.10
Fish Culture Zone							
Ma Wan	F1	0.001	5.5	5.50	0.002	5.7	5.70
Lo Tik Wan	F2	0.000	6.2	6.20	0.000	6.2	6.20
Sok Kwu Wan	F3	0.000	6.2	6.20	0.000	6.2	6.20
Cheung Sha Wan	F4	0.000	6.0	6.00	0.000	6.1	6.10
Cooling Water Intakes							
Tsuen Wan	C1	0.004	5.3	5.30	0.005	5.4	5.39
MTRC Tsing Yi Station	C2	0.008	5.3	5.29	0.011	5.4	5.39

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
MTRC Kowloon Station	C3	0.000	5.0	5.00	0.000	5.0	5.00
China H.K. City	C4	0.000	5.0	5.00	0.000	5.0	5.00
Sha Wan Drive	C5	0.000	5.9	5.90	0.001	6.0	6.00
Queen Mary Hospital	C6	0.000	5.9	5.90	0.001	6.0	6.00
Wah Fu Estate	C7	0.000	5.9	5.90	0.000	6.0	6.00
Kwai Chung Hospital	EMSD1	0.002	5.3	5.30	0.004	5.4	5.40
WSD Flushing Water Intake							
Tsing Yi	WSD1	0.011	5.3	5.29	0.013	5.4	5.39
Kennedy Town	WSD2	0.001	5.0	5.00	0.001	5.0	5.00
Sheung Wan	WSD3	0.000	5.0	5.00	0.000	5.0	5.00
Central Water Front	WSD4	0.000	5.0	5.00	0.001	5.0	5.00
Ap Lei Chau	WSD5	0.000	6.2	6.20	0.000	6.2	6.20
Kowloon South	WSD6	0.001	5.0	5.00	0.001	5.0	5.00
Cheung Sha Wan	WSD7	0.000	5.0	5.00	0.000	5.0	5.00
Tsuen Wan	WSD8	0.004	5.3	5.30	0.005	5.4	5.39
Near Hong Kong Garden	WSD9	0.003	5.5	5.50	0.005	5.7	5.69
Lamma Power Station	WSD10	0.000	6.1	6.10	0.000	6.3	6.30
Kwai Chung Hospital	EMSD1	0.002	5.3	5.30	0.004	5.4	5.40
Wet Season							
Gazetted Beaches							
Tung Wan, Ma Wan	B1	0.000	3.6	3.60	0.001	2.7	2.70
Approach	B2	0.002	3.6	3.60	0.002	2.7	2.70
Ting Kau	B3	0.001	3.6	3.60	0.001	2.7	2.70
Lido	B4	0.002	3.6	3.60	0.004	2.7	2.70
Casam	B5	0.001	3.6	3.60	0.002	2.7	2.70
Hoi Mei Wan	B6	0.001	3.6	3.60	0.002	2.7	2.70
Gemini	B7	0.001	3.6	3.60	0.002	2.7	2.70
Angler's	B8	0.001	3.6	3.60	0.001	2.7	2.70
Lo So Shing	B9	0.000	5.3	5.30	0.000	3.3	3.30
Hung Shing Yeh	B10	0.000	5.3	5.30	0.000	3.3	3.30
Corals							
Pak Kok	CR1	0.001	3.9	3.90	0.001	2.5	2.50
Shek Kok Tsui	CR2	0.001	3.9	3.90	0.001	2.5	2.50
Luk Chau	CR3	0.000	3.7	3.70	0.000	2.7	2.70
Wong Chuk Kok	CR4	0.000	3.7	3.70	0.000	2.7	2.70
Ap Lei Chau	CR5	0.000	3.7	3.70	0.000	2.7	2.70
Sandy Bay	CR6	0.000	3.9	3.90	0.000	2.5	2.50

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Green Island	CR7	0.001	3.9	3.90	0.001	2.5	2.50
Kau Yi Chau	CR8	0.003	4.4	4.40	0.007	4.1	4.09
Kau Yi Chau	CR9	0.007	4.4	4.39	0.012	4.1	4.09
Kau Yi Chau	CR10	0.004	4.4	4.40	0.008	4.1	4.09
Siu Kau Yi Chau	CR11	0.005	4.4	4.40	0.012	4.1	4.09
Siu Kau Yi Chau	CR12	0.004	4.4	4.40	0.011	4.1	4.09
Siu Kau Yi Chau	CR13	0.003	4.4	4.40	0.005	4.1	4.10
Peng Chau	CR14	0.002	4.4	4.40	0.002	4.1	4.10
Peng Chau	CR15	0.000	4.4	4.40	0.001	4.1	4.10
Peng Chau	CR16	0.002	4.4	4.40	0.002	4.1	4.10
Peng Chau	CR17	0.002	4.4	4.40	0.003	4.1	4.10
Peng Chau	CR18	0.001	4.4	4.40	0.001	4.1	4.10
Fish Culture Zone							
Ma Wan	F1	0.001	3.6	3.60	0.002	2.7	2.70
Lo Tik Wan	F2	0.000	3.7	3.70	0.000	2.7	2.70
Sok Kwu Wan	F3	0.000	3.7	3.70	0.000	2.7	2.70
Cheung Sha Wan	F4	0.000	4.4	4.40	0.000	4.1	4.10
Cooling Water Intakes							
Tsuen Wan	C1	0.005	3.9	3.89	0.008	3.3	3.29
MTRC Tsing Yi Station	C2	0.013	3.9	3.89	0.015	3.3	3.29
MTRC Kowloon Station	C3	0.000	3.6	3.60	0.000	2.6	2.60
China H.K. City	C4	0.000	3.6	3.60	0.000	2.6	2.60
Sha Wan Drive	C5	0.000	3.9	3.90	0.001	2.5	2.50
Queen Mary Hospital	C6	0.000	3.9	3.90	0.000	2.5	2.50
Wah Fu Estate	C7	0.000	3.9	3.90	0.000	2.5	2.50
Kwai Chung Hospital	EMSD1	0.003	3.9	3.90	0.004	3.3	3.30
WSD Flushing Water Intake							
Tsing Yi	WSD1	0.018	3.9	3.88	0.020	3.3	3.28
Kennedy Town	WSD2	0.000	3.6	3.60	0.000	2.6	2.60
Sheung Wan	WSD3	0.000	3.6	3.60	0.001	2.6	2.60
Central Water Front	WSD4	0.000	3.6	3.60	0.001	2.6	2.60
Ap Lei Chau	WSD5	0.000	3.7	3.70	0.000	2.7	2.70
Kowloon South	WSD6	0.000	3.6	3.60	0.001	2.6	2.60
Cheung Sha Wan	WSD7	0.000	3.6	3.60	0.000	2.6	2.60
Tsuen Wan	WSD8	0.005	3.9	3.89	0.007	3.3	3.29
Near Hong Kong Garden	WSD9	0.001	3.6	3.60	0.001	2.7	2.70
Lamma Power Station	WSD10	0.000	5.3	5.30	0.000	3.3	3.30

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Kwai Chung Hospital	EMSD1	0.003	3.9	3.90	0.004	3.3	3.30

- Value in **Bold** indicates exceedance of relevant criteria (i.e. Depth-averaged DO not less than 4.0 mgL⁻¹ (Not less than 5.0 mgL⁻¹ for fish culture subzones) and DO (bottom) not less than 2.0 mgL⁻¹).
- DO concentrations include the ambient levels plus predicted DO depletions.
- Please refer to Table 3.11 of the EIA Report for the relevant background values.

Table A3.9h: Predicted Total Inorganic Nitrogen Concentrations for Scenario 4

Sensitive Receivers	Assessment Point	Maximum TIN concentration (mgL ⁻¹)	
		Dry Season	Wet Season
Gazetted Beaches			
Tung Wan, Ma Wan	B1	0.2901	0.3700
Approach	B2	0.2903	0.3701
Ting Kau	B3	0.2901	0.3701
Lido	B4	0.2901	0.3702
Casam	B5	0.2901	0.3701
Hoi Mei Wan	B6	0.2902	0.3701
Gemini	B7	0.2902	0.3701
Angler's	B8	0.2901	0.3701
Lo So Shing	B9	0.1100	0.3300
Hung Shing Yeh	B10	0.1100	0.3300
Corals			
Pak Kok	CR1	0.1702	0.2201
Shek Kok Tsui	CR2	0.1701	0.2201
Luk Chau	CR3	0.1401	0.2100
Wong Chuk Kok	CR4	0.1401	0.2100
Ap Lei Chau	CR5	0.1400	0.2100
Sandy Bay	CR6	0.1701	0.2200
Green Island	CR7	0.1701	0.2200
Kau Yi Chau	CR8	0.2501	0.5002
Kau Yi Chau	CR9	0.2501	0.5006
Kau Yi Chau	CR10	0.2501	0.5003
Siu Kau Yi Chau	CR11	0.2501	0.5004
Siu Kau Yi Chau	CR12	0.2501	0.5003
Siu Kau Yi Chau	CR13	0.2501	0.5003
Peng Chau	CR14	0.2501	0.5002
Peng Chau	CR15	0.2500	0.5000
Peng Chau	CR16	0.2501	0.5001
Peng Chau	CR17	0.2501	0.5002
Peng Chau	CR18	0.2500	0.5000

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Maximum TIN concentration (mgL ⁻¹)	
		Dry Season	Wet Season
Fish Culture Zone			
Ma Wan	F1	0.2901	0.3701
Lo Tik Wan	F2	0.1400	0.2100
Sok Kwu Wan	F3	0.1400	0.2100
Cheung Sha Wan	F4	0.2500	0.5000
Cooling Water Intakes			
Tsuen Wan	C1	0.3503	0.5305
MTRC Tsing Yi Station	C2	0.3507	0.5311
MTRC Kowloon Station	C3	0.3200	0.4400
China H.K. City	C4	0.3200	0.4400
Sha Wan Drive	C5	0.1700	0.2200
Queen Mary Hospital	C6	0.1700	0.2200
Wah Fu Estate	C7	0.1700	0.2200
Kwai Chung Hospital	EMSD1	0.3502	0.5302
WSD Flushing Water Intake			
Tsing Yi	WSD1	0.3509	0.5315
Kennedy Town	WSD2	0.3200	0.4400
Sheung Wan	WSD3	0.3200	0.4400
Central Water Front	WSD4	0.3200	0.4400
Ap Lei Chau	WSD5	0.1400	0.2100
Kowloon South	WSD6	0.3201	0.4400
Cheung Sha Wan	WSD7	0.3200	0.4400
Tsuen Wan	WSD8	0.3504	0.5304
Near Hong Kong Garden	WSD9	0.2902	0.3701
Lamma Power Station	WSD10	0.1100	0.3300
Kwai Chung Hospital	EMSD1	0.3502	0.5302

- Value in **Bold** indicates exceedance of relevant criteria (i.e. total inorganic nitrogen not to exceed 0.4 mgL⁻¹ in Victoria Harbour WCZ & Western Buffer WCZ and not to exceed 0.1 mgL⁻¹ in Southern WCZ).
- TIN concentrations include the ambient levels plus predicted TIN elevations.
- Please refer to Table 3.11 of the EIA Report for the relevant background values.

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Table A3.9i: Predicted Dissolved Oxygen Concentrations for Scenario 5

Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Dry Season							
Gazetted Beaches							
Tung Wan, Ma Wan	B1	0.001	5.5	5.50	0.001	5.7	5.70
Approach	B2	0.004	5.5	5.50	0.004	5.7	5.70
Ting Kau	B3	0.001	5.5	5.50	0.002	5.7	5.70
Lido	B4	0.001	5.5	5.50	0.001	5.7	5.70
Casam	B5	0.002	5.5	5.50	0.003	5.7	5.70
Hoi Mei Wan	B6	0.002	5.5	5.50	0.002	5.7	5.70
Gemini	B7	0.002	5.5	5.50	0.002	5.7	5.70
Angler's	B8	0.002	5.5	5.50	0.002	5.7	5.70
Lo So Shing	B9	0.000	6.1	6.10	0.000	6.3	6.30
Hung Shing Yeh	B10	0.000	6.1	6.10	0.000	6.3	6.30
Corals							
Pak Kok	CR1	0.001	5.9	5.90	0.001	6.0	6.00
Shek Kok Tsui	CR2	0.001	5.9	5.90	0.001	6.0	6.00
Luk Chau	CR3	0.000	6.2	6.20	0.000	6.2	6.20
Wong Chuk Kok	CR4	0.000	6.2	6.20	0.000	6.2	6.20
Ap Lei Chau	CR5	0.001	6.2	6.20	0.001	6.2	6.20
Sandy Bay	CR6	0.001	5.9	5.90	0.002	6.0	6.00
Green Island	CR7	0.002	5.9	5.90	0.002	6.0	6.00
Kau Yi Chau	CR8	0.001	6.0	6.00	0.001	6.1	6.10
Kau Yi Chau	CR9	0.001	6.0	6.00	0.001	6.1	6.10
Kau Yi Chau	CR10	0.001	6.0	6.00	0.001	6.1	6.10
Siu Kau Yi Chau	CR11	0.001	6.0	6.00	0.001	6.1	6.10
Siu Kau Yi Chau	CR12	0.001	6.0	6.00	0.002	6.1	6.10
Siu Kau Yi Chau	CR13	0.001	6.0	6.00	0.001	6.1	6.10
Peng Chau	CR14	0.001	6.0	6.00	0.001	6.1	6.10
Peng Chau	CR15	0.000	6.0	6.00	0.000	6.1	6.10
Peng Chau	CR16	0.000	6.0	6.00	0.001	6.1	6.10
Peng Chau	CR17	0.000	6.0	6.00	0.001	6.1	6.10
Peng Chau	CR18	0.000	6.0	6.00	0.000	6.1	6.10
Fish Culture Zone							
Ma Wan	F1	0.001	5.5	5.50	0.001	5.7	5.70
Lo Tik Wan	F2	0.000	6.2	6.20	0.000	6.2	6.20
Sok Kwu Wan	F3	0.000	6.2	6.20	0.000	6.2	6.20
Cheung Sha Wan	F4	0.000	6.0	6.00	0.000	6.1	6.10
Cooling Water Intakes							
Tsuen Wan	C1	0.004	5.3	5.30	0.005	5.4	5.39
MTRC Tsing Yi Station	C2	0.008	5.3	5.29	0.011	5.4	5.39

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
MTRC Kowloon Station	C3	0.000	5.0	5.00	0.000	5.0	5.00
China H.K. City	C4	0.000	5.0	5.00	0.000	5.0	5.00
Sha Wan Drive	C5	0.001	5.9	5.90	0.001	6.0	6.00
Queen Mary Hospital	C6	0.001	5.9	5.90	0.001	6.0	6.00
Wah Fu Estate	C7	0.000	5.9	5.90	0.000	6.0	6.00
Kwai Chung Hospital	EMSD1	0.002	5.3	5.30	0.004	5.4	5.40
WSD Flushing Water Intake							
Tsing Yi	WSD1	0.011	5.3	5.29	0.013	5.4	5.39
Kennedy Town	WSD2	0.001	5.0	5.00	0.001	5.0	5.00
Sheung Wan	WSD3	0.000	5.0	5.00	0.000	5.0	5.00
Central Water Front	WSD4	0.000	5.0	5.00	0.001	5.0	5.00
Ap Lei Chau	WSD5	0.000	6.2	6.20	0.000	6.2	6.20
Kowloon South	WSD6	0.001	5.0	5.00	0.001	5.0	5.00
Cheung Sha Wan	WSD7	0.000	5.0	5.00	0.000	5.0	5.00
Tsuen Wan	WSD8	0.004	5.3	5.30	0.005	5.4	5.39
Near Hong Kong Garden	WSD9	0.003	5.5	5.50	0.005	5.7	5.69
Lamma Power Station	WSD10	0.000	6.1	6.10	0.000	6.3	6.30
Kwai Chung Hospital	EMSD1	0.002	5.3	5.30	0.004	5.4	5.40
Wet Season							
Gazetted Beaches							
Tung Wan, Ma Wan	B1	0.000	3.6	3.60	0.001	2.7	2.70
Approach	B2	0.002	3.6	3.60	0.002	2.7	2.70
Ting Kau	B3	0.001	3.6	3.60	0.001	2.7	2.70
Lido	B4	0.002	3.6	3.60	0.003	2.7	2.70
Casam	B5	0.001	3.6	3.60	0.002	2.7	2.70
Hoi Mei Wan	B6	0.001	3.6	3.60	0.002	2.7	2.70
Gemini	B7	0.001	3.6	3.60	0.002	2.7	2.70
Angler's	B8	0.001	3.6	3.60	0.001	2.7	2.70
Lo So Shing	B9	0.000	5.3	5.30	0.000	3.3	3.30
Hung Shing Yeh	B10	0.000	5.3	5.30	0.000	3.3	3.30
Corals							
Pak Kok	CR1	0.000	3.9	3.90	0.000	2.5	2.50
Shek Kok Tsui	CR2	0.000	3.9	3.90	0.000	2.5	2.50
Luk Chau	CR3	0.000	3.7	3.70	0.000	2.7	2.70
Wong Chuk Kok	CR4	0.000	3.7	3.70	0.000	2.7	2.70
Ap Lei Chau	CR5	0.000	3.7	3.70	0.000	2.7	2.70
Sandy Bay	CR6	0.001	3.9	3.90	0.001	2.5	2.50

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Green Island	CR7	0.001	3.9	3.90	0.001	2.5	2.50
Kau Yi Chau	CR8	0.002	4.4	4.40	0.006	4.1	4.09
Kau Yi Chau	CR9	0.006	4.4	4.39	0.010	4.1	4.09
Kau Yi Chau	CR10	0.004	4.4	4.40	0.007	4.1	4.09
Siu Kau Yi Chau	CR11	0.004	4.4	4.40	0.009	4.1	4.09
Siu Kau Yi Chau	CR12	0.003	4.4	4.40	0.009	4.1	4.09
Siu Kau Yi Chau	CR13	0.003	4.4	4.40	0.004	4.1	4.10
Peng Chau	CR14	0.002	4.4	4.40	0.002	4.1	4.10
Peng Chau	CR15	0.000	4.4	4.40	0.000	4.1	4.10
Peng Chau	CR16	0.001	4.4	4.40	0.002	4.1	4.10
Peng Chau	CR17	0.001	4.4	4.40	0.002	4.1	4.10
Peng Chau	CR18	0.000	4.4	4.40	0.001	4.1	4.10
Fish Culture Zone							
Ma Wan	F1	0.001	3.6	3.60	0.001	2.7	2.70
Lo Tik Wan	F2	0.000	3.7	3.70	0.000	2.7	2.70
Sok Kwu Wan	F3	0.000	3.7	3.70	0.000	2.7	2.70
Cheung Sha Wan	F4	0.000	4.4	4.40	0.000	4.1	4.10
Cooling Water Intakes							
Tsuen Wan	C1	0.005	3.9	3.89	0.008	3.3	3.29
MTRC Tsing Yi Station	C2	0.013	3.9	3.89	0.014	3.3	3.29
MTRC Kowloon Station	C3	0.000	3.6	3.60	0.000	2.6	2.60
China H.K. City	C4	0.000	3.6	3.60	0.000	2.6	2.60
Sha Wan Drive	C5	0.001	3.9	3.90	0.001	2.5	2.50
Queen Mary Hospital	C6	0.000	3.9	3.90	0.001	2.5	2.50
Wah Fu Estate	C7	0.000	3.9	3.90	0.000	2.5	2.50
Kwai Chung Hospital	EMSD1	0.003	3.9	3.90	0.004	3.3	3.30
WSD Flushing Water Intake							
Tsing Yi	WSD1	0.018	3.9	3.88	0.020	3.3	3.28
Kennedy Town	WSD2	0.001	3.6	3.60	0.001	2.6	2.60
Sheung Wan	WSD3	0.001	3.6	3.60	0.001	2.6	2.60
Central Water Front	WSD4	0.000	3.6	3.60	0.001	2.6	2.60
Ap Lei Chau	WSD5	0.000	3.7	3.70	0.000	2.7	2.70
Kowloon South	WSD6	0.001	3.6	3.60	0.001	2.6	2.60
Cheung Sha Wan	WSD7	0.000	3.6	3.60	0.000	2.6	2.60
Tsuen Wan	WSD8	0.005	3.9	3.90	0.007	3.3	3.29
Near Hong Kong Garden	WSD9	0.001	3.6	3.60	0.001	2.7	2.70
Lamma Power Station	WSD10	0.000	5.3	5.30	0.000	3.3	3.30

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Kwai Chung Hospital	EMSD1	0.003	3.9	3.90	0.004	3.3	3.30

- Value in **Bold** indicates exceedance of relevant criteria (i.e. Depth-averaged DO not less than 4.0 mgL⁻¹ (Not less than 5.0 mgL⁻¹ for fish culture subzones) and DO (bottom) not less than 2.0 mgL⁻¹).
- DO concentrations include the ambient levels plus predicted DO depletions.
- Please refer to Table 3.11 of the EIA Report for the relevant background values.

Table A3.9j: Predicted Total Inorganic Nitrogen Concentrations for Scenario 5

Sensitive Receivers	Assessment Point	Maximum TIN concentration (mgL ⁻¹)	
		Dry Season	Wet Season
Gazetted Beaches			
Tung Wan, Ma Wan	B1	0.2901	0.3700
Approach	B2	0.2903	0.3701
Ting Kau	B3	0.2901	0.3701
Lido	B4	0.2901	0.3702
Casam	B5	0.2902	0.3701
Hoi Mei Wan	B6	0.2902	0.3701
Gemini	B7	0.2902	0.3701
Angler's	B8	0.2902	0.3701
Lo So Shing	B9	0.1100	0.3300
Hung Shing Yeh	B10	0.1100	0.3300
Corals			
Pak Kok	CR1	0.1701	0.2200
Shek Kok Tsui	CR2	0.1700	0.2200
Luk Chau	CR3	0.1400	0.2100
Wong Chuk Kok	CR4	0.1400	0.2100
Ap Lei Chau	CR5	0.1400	0.2100
Sandy Bay	CR6	0.1701	0.2200
Green Island	CR7	0.1702	0.2201
Kau Yi Chau	CR8	0.2501	0.5002
Kau Yi Chau	CR9	0.2501	0.5005
Kau Yi Chau	CR10	0.2501	0.5003
Siu Kau Yi Chau	CR11	0.2501	0.5003
Siu Kau Yi Chau	CR12	0.2501	0.5003
Siu Kau Yi Chau	CR13	0.2501	0.5002
Peng Chau	CR14	0.2500	0.5001
Peng Chau	CR15	0.2500	0.5000
Peng Chau	CR16	0.2500	0.5001
Peng Chau	CR17	0.2500	0.5001
Peng Chau	CR18	0.2500	0.5000

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Maximum TIN concentration (mgL ⁻¹)	
		Dry Season	Wet Season
Fish Culture Zone			
Ma Wan	F1	0.2901	0.3701
Lo Tik Wan	F2	0.1400	0.2100
Sok Kwu Wan	F3	0.1400	0.2100
Cheung Sha Wan	F4	0.2500	0.5000
Cooling Water Intakes			
Tsuen Wan	C1	0.3503	0.5304
MTRC Tsing Yi Station	C2	0.3507	0.5311
MTRC Kowloon Station	C3	0.3200	0.4400
China H.K. City	C4	0.3200	0.4400
Sha Wan Drive	C5	0.1701	0.2201
Queen Mary Hospital	C6	0.1700	0.2200
Wah Fu Estate	C7	0.1700	0.2200
Kwai Chung Hospital	EMSD1	0.3502	0.5302
WSD Flushing Water Intake			
Tsing Yi	WSD1	0.3510	0.5315
Kennedy Town	WSD2	0.3201	0.4401
Sheung Wan	WSD3	0.3200	0.4401
Central Water Front	WSD4	0.3200	0.4400
Ap Lei Chau	WSD5	0.1400	0.2100
Kowloon South	WSD6	0.3201	0.4400
Cheung Sha Wan	WSD7	0.3200	0.4400
Tsuen Wan	WSD8	0.3504	0.5304
Near Hong Kong Garden	WSD9	0.2902	0.3700
Lamma Power Station	WSD10	0.1100	0.3300
Kwai Chung Hospital	EMSD1	0.3502	0.5302

- Value in **Bold** indicates exceedance of relevant criteria (i.e. total inorganic nitrogen not to exceed 0.4 mgL⁻¹ in Victoria Harbour WCZ & Western Buffer WCZ and not to exceed 0.1 mgL⁻¹ in Southern WCZ).
- TIN concentrations include the ambient levels plus predicted TIN elevations.
- Please refer to Table 3.11 of the EIA Report for the relevant background values.

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Table A3.9k: Predicted Dissolved Oxygen Concentrations for Scenario 6

Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Dry Season							
Gazetted Beaches							
Tung Wan, Ma Wan	B1	0.002	5.5	5.50	0.002	5.7	5.70
Approach	B2	0.003	5.5	5.50	0.004	5.7	5.70
Ting Kau	B3	0.001	5.5	5.50	0.002	5.7	5.70
Lido	B4	0.001	5.5	5.50	0.002	5.7	5.70
Casam	B5	0.003	5.5	5.50	0.004	5.7	5.70
Hoi Mei Wan	B6	0.003	5.5	5.50	0.004	5.7	5.70
Gemini	B7	0.003	5.5	5.50	0.004	5.7	5.70
Angler's	B8	0.003	5.5	5.50	0.003	5.7	5.70
Lo So Shing	B9	0.000	6.1	6.10	0.000	6.3	6.30
Hung Shing Yeh	B10	0.000	6.1	6.10	0.000	6.3	6.30
Corals							
Pak Kok	CR1	0.002	5.9	5.90	0.002	6.0	6.00
Shek Kok Tsui	CR2	0.001	5.9	5.90	0.002	6.0	6.00
Luk Chau	CR3	0.001	6.2	6.20	0.001	6.2	6.20
Wong Chuk Kok	CR4	0.001	6.2	6.20	0.002	6.2	6.20
Ap Lei Chau	CR5	0.002	6.2	6.20	0.002	6.2	6.20
Sandy Bay	CR6	0.002	5.9	5.90	0.004	6.0	6.00
Green Island	CR7	0.003	5.9	5.90	0.003	6.0	6.00
Kau Yi Chau	CR8	0.002	6.0	6.00	0.002	6.1	6.10
Kau Yi Chau	CR9	0.002	6.0	6.00	0.002	6.1	6.10
Kau Yi Chau	CR10	0.001	6.0	6.00	0.001	6.1	6.10
Siu Kau Yi Chau	CR11	0.002	6.0	6.00	0.002	6.1	6.10
Siu Kau Yi Chau	CR12	0.002	6.0	6.00	0.003	6.1	6.10
Siu Kau Yi Chau	CR13	0.001	6.0	6.00	0.001	6.1	6.10
Peng Chau	CR14	0.001	6.0	6.00	0.001	6.1	6.10
Peng Chau	CR15	0.000	6.0	6.00	0.000	6.1	6.10
Peng Chau	CR16	0.001	6.0	6.00	0.001	6.1	6.10
Peng Chau	CR17	0.001	6.0	6.00	0.001	6.1	6.10
Peng Chau	CR18	0.000	6.0	6.00	0.000	6.1	6.10
Fish Culture Zone							
Ma Wan	F1	0.002	5.5	5.50	0.002	5.7	5.70
Lo Tik Wan	F2	0.000	6.2	6.20	0.000	6.2	6.20
Sok Kwu Wan	F3	0.000	6.2	6.20	0.000	6.2	6.20
Cheung Sha Wan	F4	0.000	6.0	6.00	0.000	6.1	6.10
Cooling Water Intakes							
Tsuen Wan	C1	0.003	5.3	5.30	0.004	5.4	5.40
MTRC Tsing Yi Station	C2	0.006	5.3	5.29	0.008	5.4	5.39

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
MTRC Kowloon Station	C3	0.000	5.0	5.00	0.000	5.0	5.00
China H.K. City	C4	0.000	5.0	5.00	0.000	5.0	5.00
Sha Wan Drive	C5	0.002	5.9	5.90	0.003	6.0	6.00
Queen Mary Hospital	C6	0.002	5.9	5.90	0.003	6.0	6.00
Wah Fu Estate	C7	0.001	5.9	5.90	0.001	6.0	6.00
Kwai Chung Hospital	EMSD1	0.001	5.3	5.30	0.001	5.4	5.40
WSD Flushing Water Intake							
Tsing Yi	WSD1	0.008	5.3	5.29	0.014	5.4	5.39
Kennedy Town	WSD2	0.001	5.0	5.00	0.002	5.0	5.00
Sheung Wan	WSD3	0.000	5.0	5.00	0.000	5.0	5.00
Central Water Front	WSD4	0.000	5.0	5.00	0.000	5.0	5.00
Ap Lei Chau	WSD5	0.001	6.2	6.20	0.001	6.2	6.20
Kowloon South	WSD6	0.000	5.0	5.00	0.000	5.0	5.00
Cheung Sha Wan	WSD7	0.000	5.0	5.00	0.000	5.0	5.00
Tsuen Wan	WSD8	0.003	5.3	5.30	0.004	5.4	5.40
Near Hong Kong Garden	WSD9	0.004	5.5	5.50	0.008	5.7	5.69
Lamma Power Station	WSD10	0.000	6.1	6.10	0.000	6.3	6.30
Kwai Chung Hospital	EMSD1	0.001	5.3	5.30	0.001	5.4	5.40
Wet Season							
Gazetted Beaches							
Tung Wan, Ma Wan	B1	0.001	3.6	3.60	0.001	2.7	2.70
Approach	B2	0.002	3.6	3.60	0.002	2.7	2.70
Ting Kau	B3	0.001	3.6	3.60	0.001	2.7	2.70
Lido	B4	0.003	3.6	3.60	0.005	2.7	2.70
Casam	B5	0.002	3.6	3.60	0.002	2.7	2.70
Hoi Mei Wan	B6	0.001	3.6	3.60	0.002	2.7	2.70
Gemini	B7	0.001	3.6	3.60	0.002	2.7	2.70
Angler's	B8	0.001	3.6	3.60	0.001	2.7	2.70
Lo So Shing	B9	0.000	5.3	5.30	0.000	3.3	3.30
Hung Shing Yeh	B10	0.000	5.3	5.30	0.000	3.3	3.30
Corals							
Pak Kok	CR1	0.001	3.9	3.90	0.001	2.5	2.50
Shek Kok Tsui	CR2	0.001	3.9	3.90	0.002	2.5	2.50
Luk Chau	CR3	0.000	3.7	3.70	0.000	2.7	2.70
Wong Chuk Kok	CR4	0.000	3.7	3.70	0.000	2.7	2.70
Ap Lei Chau	CR5	0.000	3.7	3.70	0.000	2.7	2.70
Sandy Bay	CR6	0.001	3.9	3.90	0.001	2.5	2.50

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Green Island	CR7	0.001	3.9	3.90	0.002	2.5	2.50
Kau Yi Chau	CR8	0.003	4.4	4.40	0.008	4.1	4.09
Kau Yi Chau	CR9	0.008	4.4	4.39	0.014	4.1	4.09
Kau Yi Chau	CR10	0.004	4.4	4.40	0.009	4.1	4.09
Siu Kau Yi Chau	CR11	0.006	4.4	4.39	0.015	4.1	4.09
Siu Kau Yi Chau	CR12	0.006	4.4	4.39	0.016	4.1	4.08
Siu Kau Yi Chau	CR13	0.004	4.4	4.40	0.006	4.1	4.09
Peng Chau	CR14	0.002	4.4	4.40	0.002	4.1	4.10
Peng Chau	CR15	0.000	4.4	4.40	0.001	4.1	4.10
Peng Chau	CR16	0.002	4.4	4.40	0.003	4.1	4.10
Peng Chau	CR17	0.002	4.4	4.40	0.003	4.1	4.10
Peng Chau	CR18	0.001	4.4	4.40	0.001	4.1	4.10
Fish Culture Zone							
Ma Wan	F1	0.001	3.6	3.60	0.002	2.7	2.70
Lo Tik Wan	F2	0.000	3.7	3.70	0.000	2.7	2.70
Sok Kwu Wan	F3	0.000	3.7	3.70	0.000	2.7	2.70
Cheung Sha Wan	F4	0.000	4.4	4.40	0.000	4.1	4.10
Cooling Water Intakes							
Tsuen Wan	C1	0.004	3.9	3.90	0.006	3.3	3.29
MTRC Tsing Yi Station	C2	0.011	3.9	3.89	0.014	3.3	3.29
MTRC Kowloon Station	C3	0.000	3.6	3.60	0.000	2.6	2.60
China H.K. City	C4	0.000	3.6	3.60	0.000	2.6	2.60
Sha Wan Drive	C5	0.001	3.9	3.90	0.001	2.5	2.50
Queen Mary Hospital	C6	0.001	3.9	3.90	0.001	2.5	2.50
Wah Fu Estate	C7	0.000	3.9	3.90	0.000	2.5	2.50
Kwai Chung Hospital	EMSD1	0.002	3.9	3.90	0.002	3.3	3.30
WSD Flushing Water Intake							
Tsing Yi	WSD1	0.018	3.9	3.88	0.031	3.3	3.27
Kennedy Town	WSD2	0.001	3.6	3.60	0.001	2.6	2.60
Sheung Wan	WSD3	0.001	3.6	3.60	0.001	2.6	2.60
Central Water Front	WSD4	0.000	3.6	3.60	0.000	2.6	2.60
Ap Lei Chau	WSD5	0.000	3.7	3.70	0.000	2.7	2.70
Kowloon South	WSD6	0.000	3.6	3.60	0.000	2.6	2.60
Cheung Sha Wan	WSD7	0.000	3.6	3.60	0.000	2.6	2.60
Tsuen Wan	WSD8	0.004	3.9	3.90	0.005	3.3	3.30
Near Hong Kong Garden	WSD9	0.001	3.6	3.60	0.001	2.7	2.70
Lamma Power Station	WSD10	0.000	5.3	5.30	0.000	3.3	3.30

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Kwai Chung Hospital	EMSD1	0.002	3.9	3.90	0.002	3.3	3.30

- Value in **Bold** indicates exceedance of relevant criteria (i.e. Depth-averaged DO not less than 4.0 mgL⁻¹ (Not less than 5.0 mgL⁻¹ for fish culture subzones) and DO (bottom) not less than 2.0 mgL⁻¹).
- DO concentrations include the ambient levels plus predicted DO depletions.
- Please refer to Table 3.11 of the EIA Report for the relevant background values.

Table A3.9I: Predicted Total Inorganic Nitrogen Concentrations for Scenario 6

Sensitive Receivers	Assessment Point	Maximum TIN concentration (mgL ⁻¹)	
		Dry Season	Wet Season
Gazetted Beaches			
Tung Wan, Ma Wan	B1	0.2901	0.3700
Approach	B2	0.2902	0.3701
Ting Kau	B3	0.2901	0.3701
Lido	B4	0.2901	0.3702
Casam	B5	0.2902	0.3701
Hoi Mei Wan	B6	0.2902	0.3701
Gemini	B7	0.2902	0.3701
Angler's	B8	0.2902	0.3701
Lo So Shing	B9	0.1100	0.3300
Hung Shing Yeh	B10	0.1100	0.3300
Corals			
Pak Kok	CR1	0.1701	0.2201
Shek Kok Tsui	CR2	0.1701	0.2200
Luk Chau	CR3	0.1401	0.2100
Wong Chuk Kok	CR4	0.1401	0.2100
Ap Lei Chau	CR5	0.1401	0.2100
Sandy Bay	CR6	0.1702	0.2201
Green Island	CR7	0.1702	0.2201
Kau Yi Chau	CR8	0.2501	0.5003
Kau Yi Chau	CR9	0.2501	0.5007
Kau Yi Chau	CR10	0.2501	0.5004
Siu Kau Yi Chau	CR11	0.2501	0.5005
Siu Kau Yi Chau	CR12	0.2501	0.5005
Siu Kau Yi Chau	CR13	0.2501	0.5003
Peng Chau	CR14	0.2501	0.5002
Peng Chau	CR15	0.2500	0.5000
Peng Chau	CR16	0.2501	0.5002
Peng Chau	CR17	0.2501	0.5002
Peng Chau	CR18	0.2500	0.5001

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Maximum TIN concentration (mgL ⁻¹)	
		Dry Season	Wet Season
Fish Culture Zone			
Ma Wan	F1	0.2902	0.3701
Lo Tik Wan	F2	0.1400	0.2100
Sok Kwu Wan	F3	0.1400	0.2100
Cheung Sha Wan	F4	0.2500	0.5000
Cooling Water Intakes			
Tsuen Wan	C1	0.3502	0.5303
MTRC Tsing Yi Station	C2	0.3505	0.5310
MTRC Kowloon Station	C3	0.3200	0.4400
China H.K. City	C4	0.3200	0.4400
Sha Wan Drive	C5	0.1702	0.2201
Queen Mary Hospital	C6	0.1701	0.2201
Wah Fu Estate	C7	0.1701	0.2200
Kwai Chung Hospital	EMSD1	0.3501	0.5301
WSD Flushing Water Intake			
Tsing Yi	WSD1	0.3507	0.5315
Kennedy Town	WSD2	0.3201	0.4401
Sheung Wan	WSD3	0.3200	0.4400
Central Water Front	WSD4	0.3200	0.4400
Ap Lei Chau	WSD5	0.1401	0.2100
Kowloon South	WSD6	0.3200	0.4400
Cheung Sha Wan	WSD7	0.3200	0.4400
Tsuen Wan	WSD8	0.3503	0.5303
Near Hong Kong Garden	WSD9	0.2904	0.3701
Lamma Power Station	WSD10	0.1100	0.3300
Kwai Chung Hospital	EMSD1	0.3501	0.5301

- Value in **Bold** indicates exceedance of relevant criteria (i.e. total inorganic nitrogen not to exceed 0.4 mgL⁻¹ in Victoria Harbour WCZ & Western Buffer WCZ and not to exceed 0.1 mgL⁻¹ in Southern WCZ).
- TIN concentrations include the ambient levels plus predicted TIN elevations.
- Please refer to Table 3.11 of the EIA Report for the relevant background values.

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Table A3.9m: Predicted Dissolved Oxygen Concentrations for Scenario 7

Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Dry Season							
Gazetted Beaches							
Tung Wan, Ma Wan	B1	0.004	5.5	5.50	0.004	5.7	5.70
Approach	B2	0.003	5.5	5.50	0.005	5.7	5.70
Ting Kau	B3	0.002	5.5	5.50	0.003	5.7	5.70
Lido	B4	0.002	5.5	5.50	0.004	5.7	5.70
Casam	B5	0.006	5.5	5.49	0.007	5.7	5.69
Hoi Mei Wan	B6	0.006	5.5	5.49	0.007	5.7	5.69
Gemini	B7	0.007	5.5	5.49	0.007	5.7	5.69
Angler's	B8	0.007	5.5	5.49	0.007	5.7	5.69
Lo So Shing	B9	0.000	6.1	6.10	0.000	6.3	6.30
Hung Shing Yeh	B10	0.000	6.1	6.10	0.000	6.3	6.30
Corals							
Pak Kok	CR1	0.004	5.9	5.90	0.004	6.0	6.00
Shek Kok Tsui	CR2	0.003	5.9	5.90	0.003	6.0	6.00
Luk Chau	CR3	0.002	6.2	6.20	0.002	6.2	6.20
Wong Chuk Kok	CR4	0.002	6.2	6.20	0.002	6.2	6.20
Ap Lei Chau	CR5	0.002	6.2	6.20	0.002	6.2	6.20
Sandy Bay	CR6	0.002	5.9	5.90	0.004	6.0	6.00
Green Island	CR7	0.004	5.9	5.90	0.004	6.0	6.00
Kau Yi Chau	CR8	0.003	6.0	6.00	0.003	6.1	6.10
Kau Yi Chau	CR9	0.003	6.0	6.00	0.003	6.1	6.10
Kau Yi Chau	CR10	0.003	6.0	6.00	0.003	6.1	6.10
Siu Kau Yi Chau	CR11	0.003	6.0	6.00	0.004	6.1	6.10
Siu Kau Yi Chau	CR12	0.003	6.0	6.00	0.004	6.1	6.10
Siu Kau Yi Chau	CR13	0.002	6.0	6.00	0.003	6.1	6.10
Peng Chau	CR14	0.002	6.0	6.00	0.002	6.1	6.10
Peng Chau	CR15	0.000	6.0	6.00	0.000	6.1	6.10
Peng Chau	CR16	0.002	6.0	6.00	0.002	6.1	6.10
Peng Chau	CR17	0.002	6.0	6.00	0.002	6.1	6.10
Peng Chau	CR18	0.000	6.0	6.00	0.000	6.1	6.10
Fish Culture Zone							
Ma Wan	F1	0.010	5.5	5.49	0.010	5.7	5.69
Lo Tik Wan	F2	0.001	6.2	6.20	0.001	6.2	6.20
Sok Kwu Wan	F3	0.000	6.2	6.20	0.000	6.2	6.20
Cheung Sha Wan	F4	0.000	6.0	6.00	0.000	6.1	6.10
Cooling Water Intakes							
Tsuen Wan	C1	0.002	5.3	5.30	0.003	5.4	5.40
MTRC Tsing Yi Station	C2	0.003	5.3	5.30	0.003	5.4	5.40

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
MTRC Kowloon Station	C3	0.001	5.0	5.00	0.002	5.0	5.00
China H.K. City	C4	0.000	5.0	5.00	0.001	5.0	5.00
Sha Wan Drive	C5	0.002	5.9	5.90	0.003	6.0	6.00
Queen Mary Hospital	C6	0.002	5.9	5.90	0.003	6.0	6.00
Wah Fu Estate	C7	0.001	5.9	5.90	0.002	6.0	6.00
Kwai Chung Hospital	EMSD1	0.000	5.3	5.30	0.001	5.4	5.40
WSD Flushing Water Intake							
Tsing Yi	WSD1	0.003	5.3	5.30	0.004	5.4	5.40
Kennedy Town	WSD2	0.002	5.0	5.00	0.003	5.0	5.00
Sheung Wan	WSD3	0.005	5.0	5.00	0.005	5.0	4.99
Central Water Front	WSD4	0.005	5.0	4.99	0.006	5.0	4.99
Ap Lei Chau	WSD5	0.001	6.2	6.20	0.001	6.2	6.20
Kowloon South	WSD6	0.001	5.0	5.00	0.002	5.0	5.00
Cheung Sha Wan	WSD7	0.000	5.0	5.00	0.000	5.0	5.00
Tsuen Wan	WSD8	0.002	5.3	5.30	0.003	5.4	5.40
Near Hong Kong Garden	WSD9	0.007	5.5	5.49	0.013	5.7	5.69
Lamma Power Station	WSD10	0.000	6.1	6.10	0.000	6.3	6.30
Kwai Chung Hospital	EMSD1	0.000	5.3	5.30	0.001	5.4	5.40
Wet Season							
Gazetted Beaches							
Tung Wan, Ma Wan	B1	0.001	3.6	3.60	0.002	2.7	2.70
Approach	B2	0.003	3.6	3.60	0.005	2.7	2.69
Ting Kau	B3	0.002	3.6	3.60	0.003	2.7	2.70
Lido	B4	0.006	3.6	3.59	0.011	2.7	2.69
Casam	B5	0.005	3.6	3.60	0.005	2.7	2.69
Hoi Mei Wan	B6	0.005	3.6	3.60	0.006	2.7	2.69
Gemini	B7	0.005	3.6	3.60	0.006	2.7	2.69
Angler's	B8	0.004	3.6	3.60	0.006	2.7	2.69
Lo So Shing	B9	0.000	5.3	5.30	0.000	3.3	3.30
Hung Shing Yeh	B10	0.000	5.3	5.30	0.000	3.3	3.30
Corals							
Pak Kok	CR1	0.001	3.9	3.90	0.001	2.5	2.50
Shek Kok Tsui	CR2	0.001	3.9	3.90	0.003	2.5	2.50
Luk Chau	CR3	0.000	3.7	3.70	0.000	2.7	2.70
Wong Chuk Kok	CR4	0.000	3.7	3.70	0.000	2.7	2.70
Ap Lei Chau	CR5	0.000	3.7	3.70	0.000	2.7	2.70
Sandy Bay	CR6	0.001	3.9	3.90	0.001	2.5	2.50

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Green Island	CR7	0.002	3.9	3.90	0.002	2.5	2.50
Kau Yi Chau	CR8	0.005	4.4	4.39	0.011	4.1	4.09
Kau Yi Chau	CR9	0.013	4.4	4.39	0.024	4.1	4.08
Kau Yi Chau	CR10	0.006	4.4	4.39	0.011	4.1	4.09
Siu Kau Yi Chau	CR11	0.010	4.4	4.39	0.026	4.1	4.07
Siu Kau Yi Chau	CR12	0.009	4.4	4.39	0.027	4.1	4.07
Siu Kau Yi Chau	CR13	0.006	4.4	4.39	0.009	4.1	4.09
Peng Chau	CR14	0.003	4.4	4.40	0.004	4.1	4.10
Peng Chau	CR15	0.000	4.4	4.40	0.001	4.1	4.10
Peng Chau	CR16	0.004	4.4	4.40	0.007	4.1	4.09
Peng Chau	CR17	0.007	4.4	4.39	0.017	4.1	4.08
Peng Chau	CR18	0.001	4.4	4.40	0.003	4.1	4.10
Fish Culture Zone							
Ma Wan	F1	0.007	3.6	3.59	0.009	2.7	2.69
Lo Tik Wan	F2	0.001	3.7	3.70	0.001	2.7	2.70
Sok Kwu Wan	F3	0.000	3.7	3.70	0.000	2.7	2.70
Cheung Sha Wan	F4	0.000	4.4	4.40	0.000	4.1	4.10
Cooling Water Intakes							
Tsuen Wan	C1	0.003	3.9	3.90	0.004	3.3	3.30
MTRC Tsing Yi Station	C2	0.002	3.9	3.90	0.003	3.3	3.30
MTRC Kowloon Station	C3	0.001	3.6	3.60	0.004	2.6	2.60
China H.K. City	C4	0.000	3.6	3.60	0.001	2.6	2.60
Sha Wan Drive	C5	0.001	3.9	3.90	0.001	2.5	2.50
Queen Mary Hospital	C6	0.001	3.9	3.90	0.001	2.5	2.50
Wah Fu Estate	C7	0.000	3.9	3.90	0.000	2.5	2.50
Kwai Chung Hospital	EMSD1	0.001	3.9	3.90	0.001	3.3	3.30
WSD Flushing Water Intake							
Tsing Yi	WSD1	0.002	3.9	3.90	0.003	3.3	3.30
Kennedy Town	WSD2	0.001	3.6	3.60	0.001	2.6	2.60
Sheung Wan	WSD3	0.002	3.6	3.60	0.004	2.6	2.60
Central Water Front	WSD4	0.005	3.6	3.60	0.006	2.6	2.59
Ap Lei Chau	WSD5	0.000	3.7	3.70	0.000	2.7	2.70
Kowloon South	WSD6	0.001	3.6	3.60	0.003	2.6	2.60
Cheung Sha Wan	WSD7	0.000	3.6	3.60	0.000	2.6	2.60
Tsuen Wan	WSD8	0.003	3.9	3.90	0.005	3.3	3.30
Near Hong Kong Garden	WSD9	0.005	3.6	3.60	0.006	2.7	2.69
Lamma Power Station	WSD10	0.000	5.3	5.30	0.000	3.3	3.30

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Minimum Depth-averaged DO level (mgL ⁻¹)			Minimum Bottom DO level (mgL ⁻¹)		
		Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)	Max DO depletion (mgL ⁻¹)	Background DO (mgL ⁻¹)	Resultant DO (mgL ⁻¹)
Kwai Chung Hospital	EMSD1	0.001	3.9	3.90	0.001	3.3	3.30

- Value in **Bold** indicates exceedance of relevant criteria (i.e. Depth-averaged DO not less than 4.0 mgL⁻¹ (Not less than 5.0 mgL⁻¹ for fish culture subzones) and DO (bottom) not less than 2.0 mgL⁻¹).
- DO concentrations include the ambient levels plus predicted DO depletions.
- Please refer to Table 3.11 of the EIA Report for the relevant background values.

Table A3.9n: Predicted Total Inorganic Nitrogen Concentrations for Scenario 7

Sensitive Receivers	Assessment Point	Maximum TIN concentration (mgL ⁻¹)	
		Dry Season	Wet Season
Gazetted Beaches			
Tung Wan, Ma Wan	B1	0.2903	0.3701
Approach	B2	0.2903	0.3703
Ting Kau	B3	0.2902	0.3702
Lido	B4	0.2902	0.3705
Casam	B5	0.2905	0.3704
Hoi Mei Wan	B6	0.2905	0.3704
Gemini	B7	0.2906	0.3704
Angler's	B8	0.2906	0.3704
Lo So Shing	B9	0.1100	0.3300
Hung Shing Yeh	B10	0.1100	0.3300
Corals			
Pak Kok	CR1	0.1703	0.2201
Shek Kok Tsui	CR2	0.1703	0.2201
Luk Chau	CR3	0.1402	0.2100
Wong Chuk Kok	CR4	0.1401	0.2100
Ap Lei Chau	CR5	0.1402	0.2100
Sandy Bay	CR6	0.1702	0.2201
Green Island	CR7	0.1703	0.2201
Kau Yi Chau	CR8	0.2502	0.5004
Kau Yi Chau	CR9	0.2502	0.5011
Kau Yi Chau	CR10	0.2502	0.5005
Siu Kau Yi Chau	CR11	0.2502	0.5009
Siu Kau Yi Chau	CR12	0.2502	0.5008
Siu Kau Yi Chau	CR13	0.2502	0.5005
Peng Chau	CR14	0.2501	0.5003
Peng Chau	CR15	0.2500	0.5000
Peng Chau	CR16	0.2501	0.5003
Peng Chau	CR17	0.2501	0.5006
Peng Chau	CR18	0.2500	0.5001

Agreement CE63/2008 (CE)
 Providing Sufficient Water Depth for Kwai Tsing Container Basin
 and its Approach Channel
 Environmental Impact Assessment Report



Sensitive Receivers	Assessment Point	Maximum TIN concentration (mgL ⁻¹)	
		Dry Season	Wet Season
Fish Culture Zone			
Ma Wan	F1	0.2908	0.3706
Lo Tik Wan	F2	0.1400	0.2100
Sok Kwu Wan	F3	0.1400	0.2100
Cheung Sha Wan	F4	0.2500	0.5000
Cooling Water Intakes			
Tsuen Wan	C1	0.3502	0.5302
MTRC Tsing Yi Station	C2	0.3503	0.5302
MTRC Kowloon Station	C3	0.3201	0.4401
China H.K. City	C4	0.3200	0.4400
Sha Wan Drive	C5	0.1702	0.2201
Queen Mary Hospital	C6	0.1701	0.2201
Wah Fu Estate	C7	0.1701	0.2200
Kwai Chung Hospital	EMSD1	0.3500	0.5301
WSD Flushing Water Intake			
Tsing Yi	WSD1	0.3503	0.5302
Kennedy Town	WSD2	0.3202	0.4401
Sheung Wan	WSD3	0.3204	0.4402
Central Water Front	WSD4	0.3204	0.4404
Ap Lei Chau	WSD5	0.1401	0.2100
Kowloon South	WSD6	0.3201	0.4401
Cheung Sha Wan	WSD7	0.3200	0.4400
Tsuen Wan	WSD8	0.3502	0.5303
Near Hong Kong Garden	WSD9	0.2906	0.3704
Lamma Power Station	WSD10	0.1100	0.3300
Kwai Chung Hospital	EMSD1	0.3500	0.5301

- Value in **Bold** indicates exceedance of relevant criteria (i.e. total inorganic nitrogen not to exceed 0.4 mgL⁻¹ in Victoria Harbour WCZ & Western Buffer WCZ and not to exceed 0.1 mgL⁻¹ in Southern WCZ).
- TIN concentrations include the ambient levels plus predicted TIN elevations.
- Please refer to Table 3.11 of the EIA Report for the relevant background values.